Versar INC.

December 28, 1993

Mr. Peter Kinney
Environmental Engineer
County of Alameda
General Services Agency
4400 MacArthur Boulevard
Oakland, California 94619

SUBJECT: CONTAMINANT MODELING USING SESOIL FOR THE FOURTH AND MADIGAN SITE, SANTA RITA CORRECTIONAL FACILITY, ALAMEDA COUNTY, CALIFORNIA. Versar Project No. 2241-011

Dear Mr. Kinney:

We are pleased to submit this draft report for the contaminant modeling performed by Versar, Inc. (Versar) for the County of Alameda General Services Agency (County) in accordance with our contract dated November 8, 1993. The contaminant model used was the EPA SESOIL software program included in the Riskpro package (General Sciences Corporation, 1989). The model was used to estimate the potential vertical migration of specific petroleum hydrocarbons reported to be present in the excavation stockpiles generated from the excavation of underground storage tank numbers 4, 4a, and 4b located at the Fourth and Madigan site at the Santa Rita Correctional Facility. The laboratory analytical data used for the modeling is presented in Attachment A. It should be noted that the characteristics of the soil types used for this modeling exercise were adapted from the data collected from the Old Graystone Fueling Area by Environmental Science and Engineering, Inc. (ESE).

Objective

The objective of the modeling is to estimate the potential amount and depth of migration of specific petroleum hydrocarbon components through the subsurface of the site over a given period of time.

Data and Modeling Analysis

The laboratory analytical results reported the presence of fuel oil hydrocarbons (as diesel) and xylenes in the stockpile. To provide an estimate of the potential vertical migration beneath the site computer aided modeling was performed for diesel and for xylenes in a diesel ligand as further described below.

The bioremediation cell consists of approximately 500 cubic yards of soil covering approximately 9,000 square feet and is approximately 18 inches thick. Diesel concentrations were reported as

high as 100 milligrams per kilogram (mg/kg) and xylene concentrations were reported in one sample at 0.008 mg/kg. The average concentration of diesel is 26.5 mg/kg. The average concentration of xylene is 0.0053 mg/kg.

The initial setup of the SESOIL model requires input parameters of climate, soils, chemical, and application data. The climate data used was extracted from a database supplied with the software. The selected climate data is specific for Oakland, California. The soils data is based on lithologic logs from the site investigation performed by ESE for the Old Graystone Fueling Area. The logs classify four distinct lithologic units between the ground surface and the water table (located at approximately 25 feet below ground surface). The soil parameters were defined to represent the four lithological units. Graphs showing the contaminant depth versus time and adsorbed concentration versus time (at 50 centimeters depth) are included as Attachment B. Specific climate, soils, chemical and application data for each model run are specified in the printouts included as Attachment C.

Chemical input data was based on the laboratory results of ESE sampling events and literature derived constants. Chemical parameters such as Henry's Constant, biodegradability, and molecular weight are defined for each chemical compound. Model runs were conducted for xylene using diesel as a ligand, and for diesel alone. The purpose of modeling diesel by itself is to obtain additional chemical data specific to the ligand. Modeling the diesel compound involved the use of specific volatilization and biodegradation data which was not included in the model using diesel as the ligand. This provides a measure of the reliability of using diesel as a ligand.

The calculated mass of diesel and xylene (or diesel alone) was applied to the top layer of soil to simulate the initial loading conditions. The mass of diesel was calculated to be 13.648 kilograms (kg). The mass of xylene was calculated to be 0.0027 kg. Note that the xylene and diesel calculations were based on the results from the analysis of ten soil samples. Values for all non-detect samples were assumed to be at concentrations equal to the reporting limit of the analytical methods used. This conservative approach was maintained throughout the entire modeling simulation. A period of 30 years was simulated for each run.

The primary assumptions associated with the SESOIL estimation are:

- All data provided to Versar represents an accurate assessment of the current site conditions.

- The site will not be impacted with additional contaminants.
- There are no preexisting contaminated conditions beneath the soil stockpile.
- All non-detect analytical results represent a contaminant concentration equal to the method detection limit.
- The diesel ligand is non-biodegradable and non-volatile (this assumption is used to maintain a conservative approach).
- The soil pile and contaminants are homogenous.
- The contaminants are applied to the upper layer of soil (beneath the soil stockpile) on the first day of the first month of the simulation.
- All other parameters are as stipulated on the printout for each simulation.

Discussion of Results

The results of the model calculation for xylene in a nondegrading diesel ligand indicates that after 30 years the contaminant has migrated to a depth of 2.362 meters (m) (Figure 1a) with 90 percent of the initial 0.00277 kg of xylene having been degraded or volatilized within the first five years. The maximum concentration of xylene remaining adsorbed to the soil after 30 years was 2.63×10^{-5} micrograms per kilogram (μg/kg) (Figure 1b). The maximum depth of diesel after 30 years is 1.118 m (Figure 2a) with 90 percent of the initial 13.648 kg having been degraded or volatilized the first four years. The maximum average concentration of diesel remaining adsorbed to the soil after 30 years is 6.4×10^{-6} μg/kg (Figure 2b). The remaining diesel is found primarily in the upper 0.6 m of soil.

Note that the calculated concentrations of the residual contaminants are well below the practical quantitation limits of the analytical methods used to identify the specific analytes. In addition, the analytes are only present in the uppermost sand layer. The non-biodegradable diesel ligand migrated to just above bottom of the sand but did not penetrate the clay. This ligand migration is shown to be false by the diesel model which calculates a maximum depth of 1.118 m for diesel. Based on these results there is a very low likelihood that diesel or xylene present in the biodegradation cell will migrate to groundwater beneath the site.

Because SESOIL does not allow for the collection of contaminants at the interface between the sand and clay layer, a warning is printed at the top of each printout. This warning is not relevant to the outcome of the simulation because the contaminants did not migrate to the depth of the second layer.

Conclusions

The conclusions stated below are derived from the results of the modeling projected for a 30 year time period for the petroleum hydrocarbon components diesel and xylene.

- The maximum migration depth of diesel is 1.118 m with a maximum average concentration of 6.4×10^{-6} μg/kg adsorbed to the soils. The majority of the diesel is degraded within the first four years. The diesel remaining after 30 years is calculated to be at a concentration well below the PQL for the analytical method used for detecting diesel fuel.

- The maximum depth of migration of xylene in a nondegradable diesel ligand is 2.362 m with a maximum average concentration of 2.63×10^{-5} μg/kg adsorbed to the soils. The majority of the xylene is degraded within the first ten years. The xylene remaining after 30 years is also estimated to be at a concentration well the PQL for the analytical method for detecting xylene.

- The likelihood of the petroleum hydrocarbon contamination impacting the groundwater beneath the site within the 30 year time period is a very low. The model results indicate that degradation of the contaminants is occurring at a rate that will preclude their impact with groundwater. After ten years, the contaminant concentrations are estimated to have degraded to concentrations well below current reporting limits.

If you have any questions or concerns regarding the information presented in this report, please do not hesitate to call our modeler, Mr. Lawrence Kleinecke, Senior Geohydrologist, in our Sacramento office at (916) 962-1612.

Sincerely,
Versar, Inc.

Robert White
Program Manager

RWW/bmk

Versar INC.

ATTACHMENT A

LABORATORY ANALYTICAL DATA

McCAMPBELL ANALYTICAL INC
110 2nd Avenue South, #D7, Pacheco, CA 94553
Tele: 510-798-1620 Fax: 510-798-1622

11/15/93

Dear Bart

Enclosed are

1). the results of 10 samples from your # 6-93-5077; Santa Rita Jail, 4th and Madigan project,

2). a QC report for the above samples

3) a copy of the chain of custody, and

4) a bill for analytical services.

If you have any questions please contact me. McCampbell Analytical Laboratories strives for excellence in quality, service and cost. Thank you for your business and I look forward to working with you again.

Yours truly,

Edward Hamilton

McCAMPBELL ANALYTICAL INC. | 110 2nd Avenue South, #D7, Pacheco, CA 94553
Tele: 510-798-1620 Fax: 510-798-1622

Environmental Science & Eng.	Client Project ID: # 6-93-5077; Santa Rita Jail, 4th and Madigan	Date Sampled: 11/05/93
4090 Nelson Avenue, Suite J		Date Received: 11/08/93
Concord, CA 94520	Client Contact: Bart Miller	Date Extracted: 11/08/93
	Client P.O: # 141-40-7295-00	Date Analyzed: 11/08-11/10/93

Gasoline Range (C6-C12) Volatile Hydrocarbons as Gasoline*, with BTEX*

EPA methods 5030, modified 8015, and 8020 or 602; California RWQCB (SF Bay Region) method GCFID(5030)

Lab ID	Client ID	Matrix	TPH(g)#	Benzene	Toluene	Ethylbenzene	Xylenes	% Rec. Surrogate
32974	FM-SP-1-2.5'	S	---	ND	ND	ND	ND	99
32975	FM-SP-2-1.5'	S	---	ND	ND	ND	0.008	102
32976	FM-SP-3-2'	S	---	ND	ND	ND	ND	100
32977	FM-SP-4-4'	S	---	ND	ND	ND	ND	97
32978	FM-SP-5-2'	S	---	ND	ND	ND	ND	95
32979	FM-SP-6-3'	S	---	ND	ND	ND	ND	97
32980	FM-SP-7-2'	S	---	ND	ND	ND	ND	86
32981	FM-SP-8-25'	S	---	ND	ND	ND	ND	98
32982	FM-SP-9-0.5'	S	---	ND	ND	ND	ND	96
32983	FM-SP-10-0.5'	S	---	ND	ND	ND	ND	95
Detection Limit unless otherwise stated; ND means Not Detected		W	50 ug/L	0.5	0.5	0.5	0.5	
		S	1.0 mg/kg	0.005	0.005	0.005	0.005	

*water samples are reported in ug/L, soil samples in mg/kg, and all TCLP extracts in mg/L

cluttered chromatogram; sample peak co-elutes with surrogate peak

+ The following descriptions of the TPH chromatogram are cursory in nature and McCampbell Analytical is not responsible for their interpretation: a) unmodified or weakly modified gasoline is significant; b) heavier gasoline range compounds are significant(aged gasoline?); c) lighter gasoline range compounds (the most mobile fraction) are significant; d) gasoline range compounds are significant; no recognizable pattern; e) TPH pattern that does not appear to be derived from gasoline (?); f) one to a few isolated peaks present; g) strongly aged gasoline or diesel range compounds are significant; h) lighter than water immiscible phase is present.

DHS Certification No. 1644

Edward Hamilton, Lab Director

McCAMPBELL ANALYTICAL INC. | 110 2nd Avenue South, #D7, Pacheco, CA 94553
Tele: 510-798-1620 Fax: 510-798-1622

Environmental Science & Eng 4090 Nelson Avenue, Suite J Concord, CA 94520	Client Project ID: # 6-93-5077; Santa Rita Jail, 4th and Madigan	Date Sampled: 11/05/93
		Date Received: 11/08/93
	Client Contact: Bart Miller	Date Extracted: 11/08/93
	Client P.O.: # 141-0-7295-00	Date Analyzed: 11/08-11/10/93

Diesel Range (C10-C23) Extractable Hydrocarbons as Diesel*

EPA methods modified 8015, and 3550 or 3510; California RWQCB (SF Bay Region) method GCFID(3550) or GCFID(3510)

Lab ID	Client ID	Matrix	TPH(d)#	% Recovery Surrogate
32974	FM-SP-1-2.5'	S	23,g	107
32975	FM-SP-2-1.5'	S	100,g	107
32976	FM-SP-3-2'	S	46,g	107
32977	FM-SP-4-4'	S	ND	106
32978	FM-SP-5-2'	S	ND	106
32979	FM-SP-6-3'	S	ND	100
32980	FM-SP-7-2'	S	ND	106
32981	FM-SP-8-25'	S	26,g	108
32982	FM-SP-9-0.5'	S	ND	108
32983	FM-SP-10-0.5'	S	20,g	101
Detection Limit unless otherwise stated; ND means Not Detected		W	50 ug/L	
		S	10 mg/kg	

*water samples are reported in ug/L, soil samples in mg/kg, and all TCLP extracts in mg/L

cluttered chromatogram; surrogate and sample peaks co-elute or surrogate peak is on elevated baseline

' The following descriptions of the TPH chromatogram are cursory in nature and McCampbell Analytical is not responsible for their interpretation: a) unmodified or weakly modified diesel is significant, b) diesel range compounds are significant, no recognizable pattern, c) modified diesel?, light(cL) or heavy(cH) diesel compounds are significant; d) gasoline range compounds are significant; e) medium boiling point pattern that does not match diesel(?); f) one to a few isolated peaks present; g) oil range compounds are significant, h) lighter than water immiscible phase is present.

DHS Certification No. 1644

Edward Hamilton, Lab Director

McCAMPBELL ANALYTICAL INC | 110 2nd Avenue South, #D7, Pacheco, CA 94553
Tele: 510-798-1620 Fax: 510-798-1622

QC REPORT FOR HYDROCARBON ANALYSES

Date: 11/10/93 Matrix: Soil

Analyte	Concentration (mg/kg)			Amount Spiked	% Recovery		RPD
	Sample	MS	MSD		MS	MSD	
TPH (gas)	0.000	1.738	1.791	2.03	86	88	3.0
Benzene	0.000	0.178	0.180	0.2	89	90	1.1
Toluene	0.000	0.180	0.182	0.2	90	91	1.1
Ethylbenzene	0.000	0.176	0.178	0.2	88	89	1.1
Xylenes	0.000	0.550	0.558	0.6	92	93	1.4
TPH (diesel)	0	288	295	300	96	98	2.5
TRPH (oil & grease)	N/A	N/A	N/A	N/A	N/A	N/A	N/A

% Rec. = (MS - Sample) / amount spiked x 100

RPD = (MS - MSD) / (MS + MSD) x 2 x 100

Inv. #1787 AESE36

CHAIN OF CUSTODY RECORD

Environmental Science & Engineering, Inc.
4090 Nelson Avenue
Suite J
Concord, CA 94520
Phone (510) 685-4053
Fax (510) 685-5323

DATE 11/5/93 PAGE 1 OF 1
PROJECT NAME Santa Rita Jail
ADDRESS 4th & Madigan
Dublin, CA
PROJECT NO. 6-93-5077
SAMPLED BY C. Von Stetten
LAB NAME

SAMPLE #	DATE	TIME	LOCATION	TPH-D / 8015M	BTEX / 8020								LAB #	MATRIX	NUMBER OF CONTAINERS	REMARKS (CONTAINER, SIZE, ETC.)
Fm-SP-1-2.5'	11/5/93	11:15	Stockpile Sample	|	|								32974	Soil	1	Brass Ring
Fm-SP-2-1.5'	|	11:35	|	|	|								32975	|	|	|
Fm-SP-3-2'	|	12:05	|	|	|								32976	|	|	|
Fm-SP-4-4'	|	2:25	|	|	|								32977	|	|	|
Fm-SP-5-2'	|	2:40	|	|	|								32978	|	|	|
Fm-SP-6-3'	|	2:55	|	|	|								32979	|	|	|
Fm-SP-7-2'	|	3:10	|	|	|								32980	|	|	|
Fm-SP-8-2.5'	|	3:35	|	|	|								32981	|	|	|
Fm-SP-9-0.5'	|	4:10	|	|	|								32982	|	|	|
Fm-SP-10-0.5'	|	4:25	|	|	|								32983	|	|	|

RELINQUISHED BY: (signature)	RECEIVED BY: (signature)	date	time
1. [signature]	[signature]	11/05/93	20:40
2. [signature]	[signature]	11/8/93	[illegible]
3.			
4.			
5.			

10 TOTAL NUMBER OF CONTAINERS

REPORT RESULTS TO: Bart Miller ESE

SPECIAL SHIPMENT REQUIREMENTS: Cold Transport

SAMPLE RECEIPT

CHAIN OF CUSTODY SEALS	
REC'D GOOD CONDTN/COLD	✓
CONFORMS TO RECORD	✓

INSTRUCTIONS TO LABORATORY (handling, analyses, storage, etc.):
Normal T.A.T. Invoice Alameda Co. GSA directly.

ICE/T° ✓
GOOD CONDITION ___
HEAD SPACE ABSENT ___
PRESERVATIVE ✓
APPROPRIATE CONTAINERS ✓

VOAS	O&G	METALS	OTHER

Versar INC.

ATTACHMENT B

FIGURES

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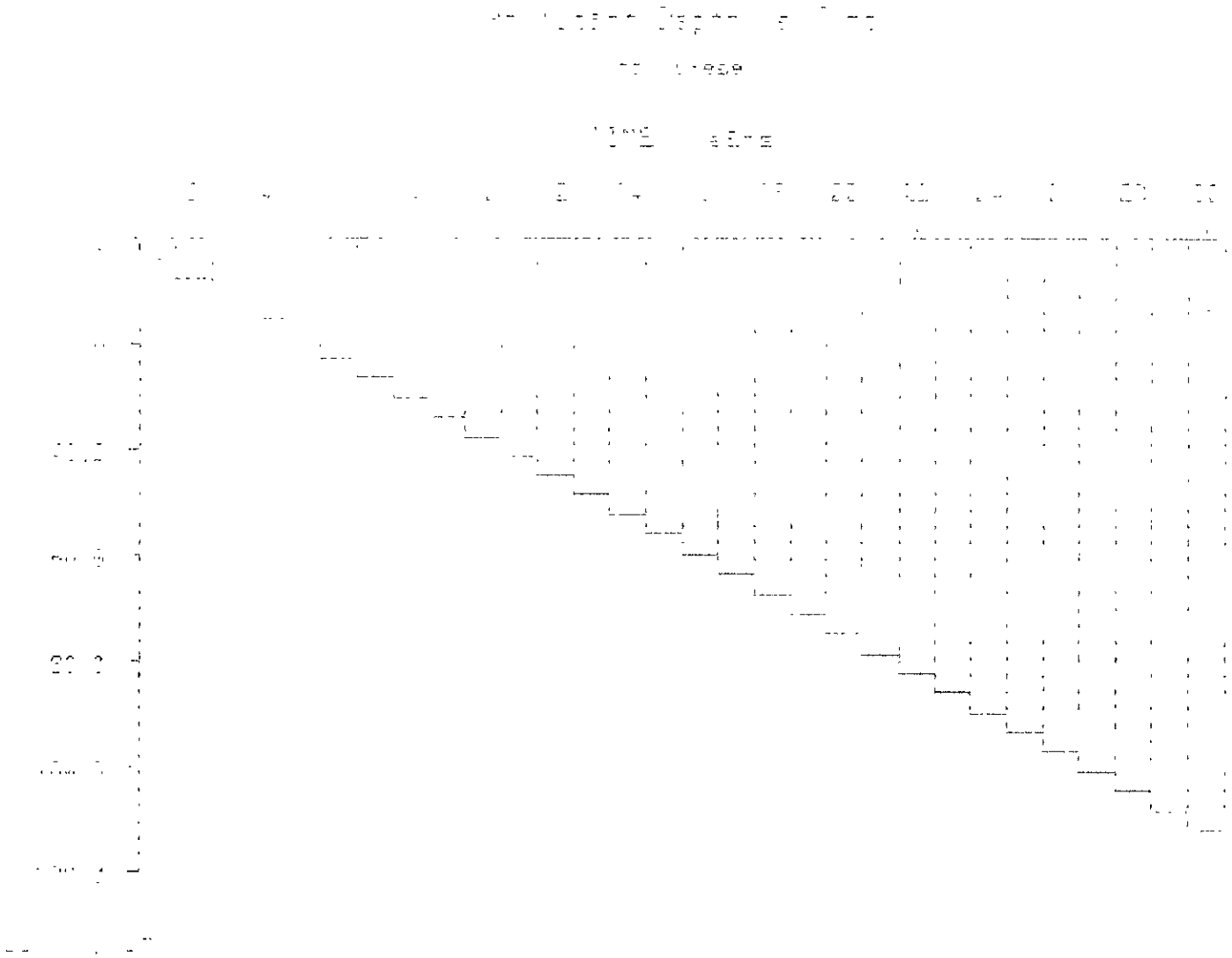
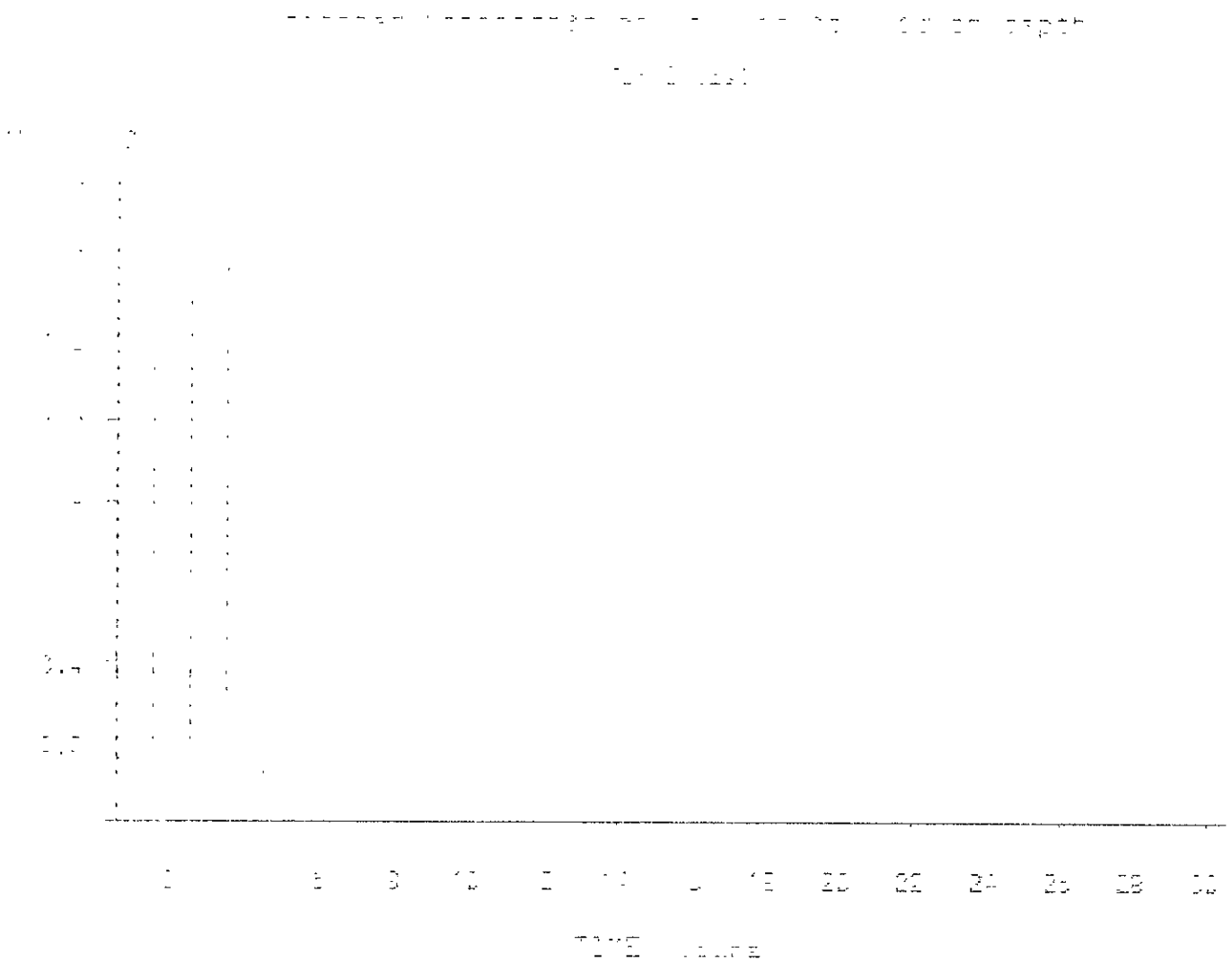


SANTA RITA
UST's 4, 4a, 4b
December 1993

Figure 1a

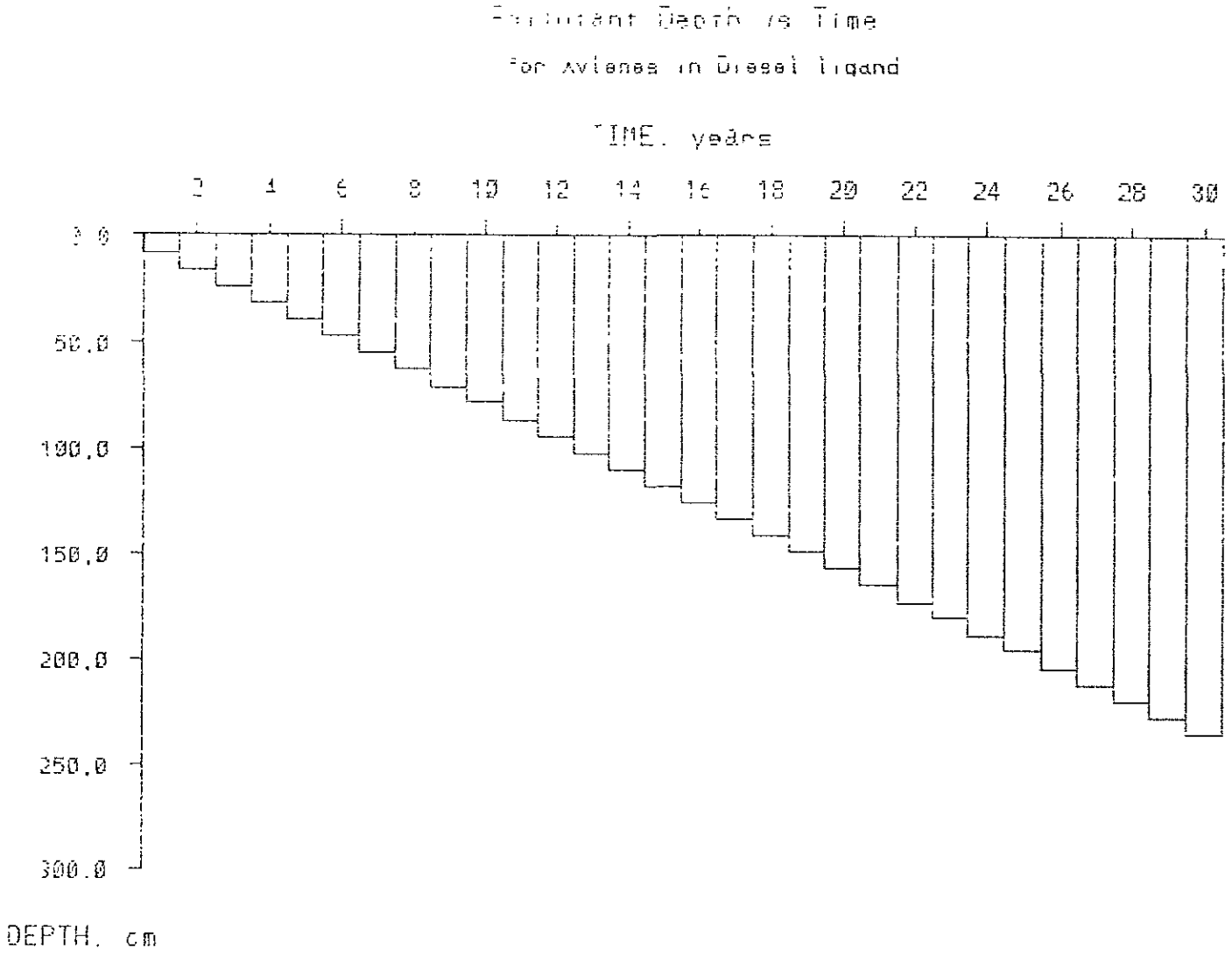
Versar INC.



SANTA RITA
UST's 4, 4a, 4b
December 1993

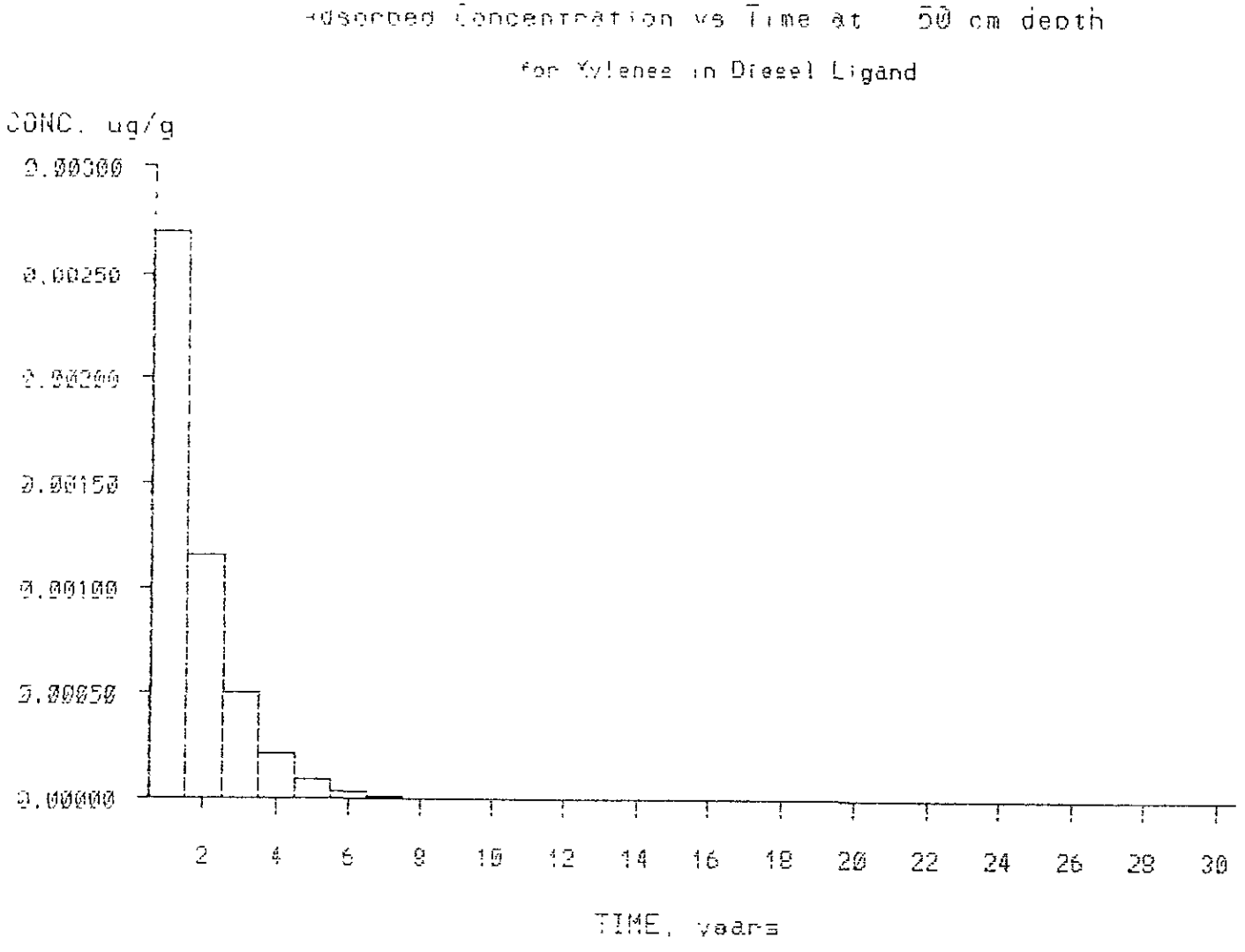
Figure 1b

Versar INC.



SANTA RITA
UST's 4, 4a, 4b
December 1993

Figure 2a



SANTA RITA
UST's 4, 4a, 4b
December 1993

Figure 2b

Versar INC.

ATTACHMENT C

OUTPUT DATA

Versar INC.

Diesel

****
*****

***** SESOIL-84 : SEASONAL CYCLES OF WATER, SEDIMENT, AND POLLUTANTS IN SOIL ENVIRONMENTS

*****

***** DEVELOPERS: M. BONAZOUNTAS, ARTHUR D. LITTLE INC. ,(617)864-5770,X5871
***** J. WAGNER ,DIS/ADLPIPE, INC. ,(617)492-1991,X5820

*****

***** MODIFIED EXTENSIVELY BY:

*****

***** D.H. METRICK

***** OAK RIDGE NATIONAL LABORATORY

***** (615) 576-7556

***** VERSION : SEPTEMBER 1986

*****

****

****** MONTHLY SESOIL MODEL OPERATION ******
MONTHLY SITE SPECIFIC SIMULATION

REGION : OAKLAND WSO AP
SOIL TYPE : SANDY CLAY
COMPOUND : DIESEL
WASHLOAD DATA :
APPLICATION AREA: SANTA RITA JAIL

WARNING - SOIL PERMEABILITY VARYS CONSIDERABLY AMONG LAYERS
SESOIL MAY NOT BE ACCURATE FOR SUCH AN INHOMOGENEOUS COLUMN

WARNING-- SOIL PERMEABILITY VARYS CONSIDERABLY AMONG LAYERS
SESOIL MAY NOT BE ACCURATE FOR SUCH AN INHOMOGENEOUS COLUMN

GENERAL INPUT PARAMETERS

-- SOIL INPUT PARAMETERS --

SOIL DENSITY (G/CM**3):	1.75
INTRINSIC PERMEABILITY (CM**2):	.150E-08
DISCONNECTEDNESS INDEX (-):	6.00
POROSITY (-):	.240
ORGANIC CARBON CONTENT (%):	1.00
CATION EXCHANGE CAPACITY (MILLI EQ./100G DRY SOIL):	.000
[illegible]	1.0[illegible]

--- CHEMICAL INPUT PARAMETERS ---

SOLUBILITY (UG/ML):	.200
DIFFUSION COEFFICIENT IN AIR (CM**2/SEC):	.460E-01
HENRYS LAW CONSTANT (M**3-ATM/MOLE):	.400E-01
ADSORPTION COEFFICIENT ON ORGANIC CARBON(KOC):	800.
ADSORPTION COEFFICIENT ON SOIL (K):	.000
MOLECULAR WEIGHT (G/MOL):	202.
VALENCE (-):	.000
NEUTRAL HYDROLYSIS CONSTANT (/DAY):	.000
BASE HYDROLYSIS CONSTANT (L/MOL-DAY):	.000
ACID HYDROLYSIS CONSTANT (L/MOL-DAY):	.000
DEGRADATION RATE IN MOISTURE (/DAY):	.100E-01
DEGRADATION RATE ON SOIL (/DAY):	.100E-01
LIGAND-POLLUTANT STABILITY CONSTANT (-):	.000
NO. MOLES LIGAND/MOLE POLLUTANT (-):	.000
LIGAND MOLECULAR WEIGHT (G/MOL):	.000

-- APPLICATION INPUT PARAMETERS --

NUMBER OF SOIL LAYERS:	4
YEARS TO BE SIMULATED:	30
AREA (CM**2):	0.840E+07
APPLICATION AREA LATITUDE (DEG.):	37.6
SPILL (1) OR STEADY APPLICATION (0):	1
DEPTHS (CM):	0.24E+03 0.37E+03 4

5. 0.12E+03

NUMBER OF SUBLAYERS/LAYER	4 1

1 1

PH (CM):	7.0 7.0 7

.0 7.0

INTRINSIC PERMEABILITIES (CM**2):	0.10E-08 0.10E-10 0.

10E-08 0.10E-10

KDEL RATIOS (-):	1.0 1.0 1

.0

KDES RATIOS (-):	1.0 1.0 1

.0

OC RATIOS (-):	1.0 0.00 1

.0

CEC RATIOS (-):	1.0 1.0 1

.0

FRM RATIOS(-):	1.0 1.0 1

.0

ADS RATIOS(-):	1.0 1.0 1

.0

1

YEAR - 1 MONTHLY INPUT PARAMETERS

- CLIMATIC INPUT PARAMETERS --

	OCT	NOV	DEC	JAN	FEB	MAR	APR
MAY	JUN	JUL	AUG	SEP			
TEMP. (DEG C)	16.000	12.380	9.550	8.830	10.330	11.270	12.9

40 14.940 17.110 18.660 19.460 18.500

CLOUD CVR (FRAC.)	0.400	0.500	0.600	0.600	0.550	0.550	0.5

00 0.450 0.300 0.300 0.300 0.300

RFL. HUM.(FRAC.)	0.650	0.700	0.800	0.800	0.750	0.750	0.7

00 0.700 0.700 0.600 0.650 0.650

ALBDO ( )	0.160	0.160	0.160	0.160	0.160	0.160	0.1

60 0.160 0.160 0.160 0.160 0.160

PRECIP. (CM) 2.760 5.750 8.260 10.360 7.080 6.080 3.6
20 0.270 0.310 0.110 0.120 0.600
M.TIME RAIN(DAYS) 0.260 0.490 0.660 0.720 0.530 0.490 0.4
80 0.210 0.120 0.050 0.030 0.130
M. STORM NO. (-) 1.600 3.810 4.930 5.650 5.090 4.870 3.0
00 1.150 0.210 0.110 0.180 0.450
M. SEASON (DAYS) 30.400 30.400 30.400 30.400 30.400 30.400 30.4
00 30.400 30.400 30.400 30.400 30.400

--- POLLUTANT INPUT PARAMETERS ---

POL. INP-1 (UG/CM**2) 1.64E+03 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.
00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00
TRNSFORMD-1 (UG/CM**2) 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.
00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00
SINKS-1 (UG/CM**2) 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.
00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00
LIG.INPUT-1 (UG/CM**2) 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.
00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00
VOLATILIZATION MULT.-1 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.
00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 1.00E+00 1.00E+00
SURFACE RUNOFF MULT. 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.
00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00
POL. IN RATN (TRAC-SL) 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.
00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00

POL. INP-2 (UG/CM**2) 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.
00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00
TRNSFORMD-2 (UG/CM**2) 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.
00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00
SINKS-2 (UG/CM**2) 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.
00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00
LIG.INPUT-2 (UG/CM**2) 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.
00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00
VOLATILIZATION MULT.-2 1.00E+00 1.00E+00 1.00E+00 1.00E+00 1.00E+00 1.00E+00 1.
00E+00 1.00E+00 1.00E+00 1.00E+00 1.00E+00 1.00E+00 1.00E+00

POL. INP-3 (UG/CM**2) 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.
00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00
TRNSFORMD-3 (UG/CM**2) 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.
00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00
SINKS-3 (UG/CM**2) 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.
00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00
LIG.INPUT-3 (UG/CM**2) 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.
00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00
VOLATILIZATION MULT.-3 1.00E+00 1.00E+00 1.00E+00 1.00E+00 1.00E+00 1.00E+00 1.
00E+00 1.00E+00 1.00E+00 1.00E+00 1.00E+00 1.00E+00 1.00E+00

POL. INP-4 (UG/CM**2) 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.
00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00
TRNSFORMD-4 (UG/CM**2) 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.
00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00
SINKS-4 (UG/CM**2) 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.
00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00
LIG.INPUT-4 (UG/CM**2) 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.
00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00
VOLATILIZATION MULT.-4 1.00E+00 1.00E+00 1.00E+00 1.00E+00 1.00E+00 1.00E+00 1.
00E+00 1.00E+00 1.00E+00 1.00E+00 1.00E+00 1.00E+00 1.00E+00

NONTRAFFIC INPUT PARAMETERS ARE SAME AS LAST YEAR

--- POLLUTANT INPUT PARAMETERS ---

POL.1 INP 1 (UG/CM**2) 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00
TRNSFORMD-1 (UG/CM**2) 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00
SINKS-1 (UG/CM**2) 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00
LIG.INPUT-1 (UG/CM**2) 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00
VOLATILIZATION MULT.-1 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 1.00E+00 1.00E+00
SURFACE RUNOFF MULT. 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00
POL.1 IN RATN (FRAC-SL) 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00

POL.2 INP-2 (UG/CM**2) 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00
TRNSFORMD-2 (UG/CM**2) 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00
SINKS-2 (UG/CM**2) 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00
LIG.INPUT 2 (UG/CM**2) 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00
VOLATILIZATION MULT.-2 1.00E+00 1.00E+00 1.00E+00 1.00E+00 1.00E+00 1.00E+00 1.00E+00 1.00E+00 1.00E+00 1.00E+00 1.00E+00 1.00E+00

POL.3 INP-3 (UG/CM**2) 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00
TRNSFORMD-3 (UG/CM**2) 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00
SINKS-3 (UG/CM**2) 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00
LIG.INPUT-3 (UG/CM**2) 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00
VOLATILIZATION MULT.-3 1.00E+00 1.00E+00 1.00E+00 1.00E+00 1.00E+00 1.00E+00 1.00E+00 1.00E+00 1.00E+00 1.00E+00 1.00E+00 1.00E+00

POL.4 INP-4 (UG/CM**2) 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00
TRNSFORMD-4 (UG/CM**2) 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00
SINKS-4 (UG/CM**2) 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00
LIG.INPUT-4 (UG/CM**2) 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00
VOLATILIZATION MULT.-4 1.00E+00 1.00E+00 1.00E+00 1.00E+00 1.00E+00 1.00E+00 1.00E+00 1.00E+00 1.00E+00 1.00E+00 1.00E+00 1.00E+00

YEAR = 3 MONTHLY INPUT PARAMETERS

NONTRAFFIC INPUT PARAMETERS ARE SAME AS LAST YEAR

YEAR 5 MONTHLY INPUT PARAMETERS

CLIMATIC INPUT PARAMETERS ARE SAME AS LAST YEAR

POLLUTANT INPUT PARAMETERS ARE SAME AS LAST YEAR

YEAR 6 MONTHLY INPUT PARAMETERS

CLIMATIC INPUT PARAMETERS ARE SAME AS LAST YEAR

POLLUTANT INPUT PARAMETERS ARE SAME AS LAST YEAR

YEAR 7 MONTHLY INPUT PARAMETERS

CLIMATIC INPUT PARAMETERS ARE SAME AS LAST YEAR

POLLUTANT INPUT PARAMETERS ARE SAME AS LAST YEAR

YEAR 8 MONTHLY INPUT PARAMETERS

CLIMATIC INPUT PARAMETERS ARE SAME AS LAST YEAR

POLLUTANT INPUT PARAMETERS ARE SAME AS LAST YEAR

YEAR 9 MONTHLY INPUT PARAMETERS

CLIMATIC INPUT PARAMETERS ARE SAME AS LAST YEAR

POLLUTANT INPUT PARAMETERS ARE SAME AS LAST YEAR

YEAR 10 MONTHLY INPUT PARAMETERS

CLIMATIC INPUT PARAMETERS ARE SAME AS LAST YEAR

POLLUTANT INPUT PARAMETERS ARE SAME AS LAST YEAR

YEAR 11 MONTHLY INPUT PARAMETERS

CLIMATIC INPUT PARAMETERS ARE SAME AS LAST YEAR

POLLUTANT INPUT PARAMETERS ARE SAME AS LAST YEAR

YEAR 12 MONTHLY INPUT PARAMETERS

CLIMATIC INPUT PARAMETERS ARE SAME AS LAST YEAR

POLLUTANT INPUT PARAMETERS ARE SAME AS LAST YEAR

YEAR 13 MONTHLY INPUT PARAMETERS

CLIMATIC INPUT PARAMETERS ARE SAME AS LAST YEAR

POLLUTANT INPUT PARAMETERS ARE SAME AS LAST YEAR

YEAR 10 MONTHLY INPUT PARAMETERS

CLIMATIC INPUT PARAMETERS ARE SAME AS LAST YEAR

POLLUTANT INPUT PARAMETERS ARE SAME AS LAST YEAR

YEAR 11 MONTHLY INPUT PARAMETERS

CLIMATIC INPUT PARAMETERS ARE SAME AS LAST YEAR

POLLUTANT INPUT PARAMETERS ARE SAME AS LAST YEAR

YEAR 12 MONTHLY INPUT PARAMETERS

CLIMATIC INPUT PARAMETERS ARE SAME AS LAST YEAR

POLLUTANT INPUT PARAMETERS ARE SAME AS LAST YEAR

YEAR 13 MONTHLY INPUT PARAMETERS

CLIMATIC INPUT PARAMETERS ARE SAME AS LAST YEAR

POLLUTANT INPUT PARAMETERS ARE SAME AS LAST YEAR

YEAR 14 MONTHLY INPUT PARAMETERS

CLIMATIC INPUT PARAMETERS ARE SAME AS LAST YEAR

POLLUTANT INPUT PARAMETERS ARE SAME AS LAST YEAR

YEAR 15 MONTHLY INPUT PARAMETERS

CLIMATIC INPUT PARAMETERS ARE SAME AS LAST YEAR

POLLUTANT INPUT PARAMETERS ARE SAME AS LAST YEAR

YEAR 16 MONTHLY INPUT PARAMETERS

CLIMATIC INPUT PARAMETERS ARE SAME AS LAST YEAR

POLLUTANT INPUT PARAMETERS ARE SAME AS LAST YEAR

YEAR 17 MONTHLY INPUT PARAMETERS

CLIMATIC INPUT PARAMETERS ARE SAME AS LAST YEAR

POLLUTANT INPUT PARAMETERS ARE SAME AS LAST YEAR

YEAR 18 MONTHLY INPUT PARAMETERS

CLIMATIC INPUT PARAMETERS ARE SAME AS LAST YEAR

POLLUTANT INPUT PARAMETERS ARE SAME AS LAST YEAR

YEAR 19 MONTHLY INPUT PARAMETERS

CLIMATIC INPUT PARAMETERS ARE SAME AS LAST YEAR

POLLUTANT INPUT PARAMETERS ARE SAME AS LAST YEAR

YEAR 20 MONTHLY INPUT PARAMETERS

CLIMATIC INPUT PARAMETERS ARE SAME AS LAST YEAR

POLLUTANT INPUT PARAMETERS ARE SAME AS LAST YEAR

YEAR 21 MONTHLY INPUT PARAMETERS

CLIMATIC INPUT PARAMETERS ARE SAME AS LAST YEAR

POLLUTANT INPUT PARAMETERS ARE SAME AS LAST YEAR

YEAR 22 MONTHLY INPUT PARAMETERS

CLIMATIC INPUT PARAMETERS ARE SAME AS LAST YEAR

1

YEAR =23   MONTHLY INPUT PARAMETERS

--- CLIMATIC INPUT PARAMETERS ARE SAME AS LAST YEAR

--- POLLUTANT INPUT PARAMETERS ARE SAME AS LAST YEAR

1

YEAR =24   MONTHLY INPUT PARAMETERS

--- CLIMATIC INPUT PARAMETERS ARE SAME AS LAST YEAR

--- POLLUTANT INPUT PARAMETERS ARE SAME AS LAST YEAR

1

YEAR =25   MONTHLY INPUT PARAMETERS

--- CLIMATIC INPUT PARAMETERS ARE SAME AS LAST YEAR

--- POLLUTANT INPUT PARAMETERS ARE SAME AS LAST YEAR

1

YEAR =26   MONTHLY INPUT PARAMETERS

--- CLIMATIC INPUT PARAMETERS ARE SAME AS LAST YEAR

--- POLLUTANT INPUT PARAMETERS ARE SAME AS LAST YEAR

1

YEAR =27   MONTHLY INPUT PARAMETERS

--- CLIMATIC INPUT PARAMETERS ARE SAME AS LAST YEAR

--- POLLUTANT INPUT PARAMETERS ARE SAME AS LAST YEAR

1

YEAR =28   MONTHLY INPUT PARAMETERS

--- CLIMATIC INPUT PARAMETERS ARE SAME AS LAST YEAR

--- POLLUTANT INPUT PARAMETERS ARE SAME AS LAST YEAR

1

YEAR =29   MONTHLY INPUT PARAMETERS

--- CLIMATIC INPUT PARAMETERS ARE SAME AS LAST YEAR

--- POLLUTANT INPUT PARAMETERS ARE SAME AS LAST YEAR

1

YEAR =30   MONTHLY INPUT PARAMETERS

--- CLIMATIC INPUT PARAMETERS ARE SAME AS LAST YEAR

--- POLLUTANT INPUT PARAMETERS ARE SAME AS LAST YEAR

1

YEAR   1   MONTHLY RESULTS (OUTPUT)

HYDROLOGIC CYCLE COMPONENTS ---

	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
MOIS. IN L1 (%)	8.445	10.149	12.405	13.245	11.829	10.293	8.9	97	7.701	7.221	6.885	6.573	6.549
MOIS. BELOW L1 (%)	8.445	10.149	12.405	13.245	11.829	10.293	8.9	97	7.701	7.221	6.885	6.573	6.549
PRECIPATION (CM)	2.788	5.721	8.240	10.295	7.123	6.082	3.6	34	0.951	0.328	0.120	0.135	0.598
NET INFILT. (CM)	2.668	5.669	8.163	10.168	7.072	6.056	3.6	12	0.946	0.298	0.106	0.124	0.566
EVAPOTRANS. (CM)	2.469	3.041	1.412	1.841	3.983	5.417	3.8	46	1.700	0.634	0.411	0.463	0.722
MOIS. RETEN (CM)	-0.171	1.103	1.461	0.544	-0.917	-0.994	-0.6	39	-0.839	-0.311	-0.218	-0.202	-0.016
SUR. RUNOFF (CM)	0.121	0.052	0.077	0.127	0.051	0.026	0.0	15	0.000	0.030	0.013	0.011	0.033
GRW. RUNOFF (CM)	0.370	1.525	5.290	7.783	4.005	1.633	0.6	12	0.084	-0.025	-0.087	-0.137	-0.141
YIELD (CM)	0.491	1.577	5.367	7.910	4.056	1.659	0.6	27	0.089	0.005	-0.074	-0.126	-0.108
PAU/MPA ((QZU)	1.003	0.995	0.998	0.994	1.006	1.000	1.0	04	0.990	1.059	1.087	1.123	0.997
PA/MPA (QZ)	1.003	0.995	0.998	0.994	1.006	1.000	1.0	04	0.990	1.059	1.087	1.123	0.997

1
--- POLLUTANT MASS INPUT TO COLUMN (L
G) ---

	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
PRECIP.	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+	00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
LOAD UPPER	1.374E+10	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+	00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
LOAD ZONE 2	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+	00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
LOAD ZONE 3	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+	00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
LOAD LOWER	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+	00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
TOTAL INPUT	1.374E+10	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+	00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00

0 -- POLLUTANT MASS DISTRIBUTION IN COLUMN (UG) --- NOTE: IF COMPONENT I
S ZERO EACH MONTH, IT IS NOT PRINTED

UPPER SOIL ZONE:

VOLATILE FLD 0.000E+00 0.000E+00 0.000E+00 0.000E+00 0.000E+00 0.000E+00 0.000E+00 0.000E+00 0.000E+00 0.000E+00 0.000E+00 2.781E+03 2.795E+08

DEGRAD HOLS 3.100E+06 3.120E+06 3.814E+06 4.072E+06 3.637E+06 3.165E+06 2.766E+06 2.348E+06 2.220E+06 2.117E+06 2.021E+06 2.014E+06

DEGRAD SOIL 3.320E+08 3.320E+08 3.320E+08 3.320E+08 3.320E+08 3.320E+08 3.320E+08 3.320E+08 3.320E+08 3.320E+08 3.320E+08 3.320E+08

IN SOIL HOL 8.655E+06 1.040E+07 1.271E+07 1.357E+07 1.212E+07 1.055E+07 9.221E+06 7.899E+06 7.401E+06 7.056E+06 6.736E+06 6.712E+06

ADS ON SOIL 1.107E+09 1.107E+09 1.107E+09 1.107E+09 1.107E+09 1.107E+09 1.107E+09 1.107E+09 1.107E+09 1.107E+09 1.107E+09 1.107E+09

IN SOIL AIR 2.673E+07 2.411E+07 2.039E+07 1.911E+07 2.155E+07 2.421E+07 2.606E+07 2.810E+07 2.870E+07 2.895E+07 2.947E+07 2.953E+07

PURE PHASE 1.226E+10 1.193E+10 1.159E+10 1.126E+10 1.092E+10 1.058E+10 1.025E+10 9.914E+09 9.580E+09 9.246E+09 8.634E+09 8.020E+09

SUBLAYER 2

SUBLAYER 3

SUBLAYER 4

SOIL ZONE 2:

SUBLAYER 1

SOIL ZONE 3:

SUBLAYER 1

LOWER SOIL ZONE:

SUBLAYER 1

--- POLLUTANT CONCENTRATIONS (UG/ML) OR (UG/G) --- NOTE: IF CONCENTRATIONS ARE ZERO FOR EACH MONTH, THEY ARE NOT PRINTED ---

UPPER SOIL ZONE:

SUBLAYER 1

MOISTURE 2.000E-01 2.000E-01 2.000E-01 2.000E-01 2.000E-01 2.000E-01 2.000E-01 2.000E-01 2.000E-01 2.000E-01 2.000E-01 2.000E-01

ZONE UTILITY 1.000E+02 1.000E+02 1.000E+02 1.000E+02 1.000E+02 1.000E+02 1.000E+02 1.000E+02 1.000E+02 1.000E+02 1.000E+02 1.000E+02

ADSORBED 1.600E+00 1.600E+00 1.600E+00 1.600E+00 1.600E+00 1.600E+00 1.600E+00 1.600E+00 1.600E+00 1.600E+00 1.600E+00 1.600E+00

SOIL AIR 3.354E-01 3.398E-01 3.432E-01 3.467E-01 3.455E-01 3.448E-01 3.389E-01 3.339E-01 3.301E-01 3.301E-01 3.302E-01

PURE PHASE 2.393E+01 2.328E+01 2.263E+01 2.197E+01 2.131E+01 2.066E+01 2.000E+01 1.935E+01 1.870E+01 1.804E+01 1.685E+01 1.565E+01

SOIL ZONE 2:

LOWER SOIL ZONE:

POL DEP CM 2.070E-01 6.526E-01 1.651E+00 2.232E+00 2.824E+00 3.305E+00 3.588E+00 3.660E+00 3.682E+00 3.689E+00 3.697E+00 3.738E+00

1 YEAR - 1 ANNUAL SUMMARY REPORT

--- TOTAL INPUTS (UG) ---

UPPER SOIL ZONE	1.374E+10
SOIL ZONE 2	0.000E+00
SOIL ZONE 3	0.000E+00
LOWER SOIL ZONE	0.000E+00

--- HYDROLOGIC CYCLE COMPONENTS ---

AVERAGE SOIL MOISTURE ZONE 1 (%)	9.191
AVERAGE SOIL MOISTURE BELOW ZONE 1 (%)	9.191
TOTAL PRECIPITATION (CM)	46.015
TOTAL INFILTRATION (CM)	45.454
TOTAL EVAPOTRANSPIRATION (CM)	25.940
TOTAL SURFACE RUNOFF (CM)	0.556
TOTAL GRW RUNOFF (CM)	20.912
TOTAL MOISTURE RETENTION (CM)	-1.398
TOTAL YIELD (CM)	21.473

0 --- POLLUTANT MASS DISTRIBUTION IN COLUMN (UG) --- NOTE: IF COMPONENT IS ZERO EACH MONTH, IT IS NOT PRINTED

FOR FINAL MASS IN SOIL MOI., ADS. ON SOIL, SOIL AIR, IMMOBIL CEC, COMPLEXED, AND PURE PHASE FOR EACH SUBLAYER, SEE ABOVE (MONTH SEP)

UPPER SOIL ZONE:

SUBLAYER 1

TOTAL VOLATILIZED	5.577E+08
TOTAL DEGRADED (MOISTURE)	3.391E+07
TOTAL DEGRADED (SOIL)	3.984E+09

SUBLAYER 2

SUBLAYER 3

SUBLAYER 4

SOIL ZONE 2:

SUBLAYER 1

SOIL ZONE 3:

LOWER SOIL ZONE:

SUBLAYER 1

1 --- AVERAGE POLLUTANT CONCENTRATIONS --- NOTE: ONLY NON-ZERO VALUES ARE PRINTED ---

UPPER SOIL ZONE:

SUBLAYER 1

SOIL MOISTURE (UG/ML)	2.000E-01
ADSORBED SOIL (UG/G)	1.600E+00
SOIL AIR (UG/ML)	3.379E-01
PURE PHASE (UG/ML)	2.424E+02

SOIL ZONE 2:

SOIL ZONE 3:

LOWER SOIL ZONE:

MAX. POLL. DEPTH (M) 3.738E-02

1

YEAR = 2 MONTHLY RESULTS (OUTPUT)

--- HYDROLOGIC CYCLE COMPONENTS ---

	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	JAN	FEB	MAR	APR
MOIS. IN LL (%)	7.605	9.837	12.333	13.245	11.829	10.293	8.9					
97	7.701	7.221	6.885	6.573	6.549							
MOIS. BELOW LL (%)	7.605	9.837	12.333	13.245	11.829	10.293	8.9					
97	7.701	7.221	6.885	6.573	6.549							
INFILTRATION (CM)	2.770	5.730	8.204	10.342	7.123	6.032	3.6					
34	0.951	0.528	0.120	0.135	0.598							
NET INFILT. (CM)	2.657	5.680	8.128	10.215	7.072	6.056	3.6					
12	0.946	0.498	0.106	0.124	0.566							
EVAPOTRANS. (CM)	1.910	3.016	1.412	1.841	3.983	5.417	3.6					
46	1.700	0.634	0.411	0.463	0.722							
MOIS. RETN (CM)	0.684	1.445	1.616	0.591	-0.917	-0.994	-0.8					
39	-0.839	-0.711	-0.218	-0.202	-0.016							
SURF. RUNOFF (CM)	0.113	0.050	0.076	0.127	0.051	0.026	0.0					
13	0.000	0.030	0.013	0.011	0.033							
GRND. RUNOFF (CM)	0.064	1.219	5.100	7.283	4.005	1.033	0.7					

PAU/NPA (GZU) 0.996 0.997 0.993 0.998 1.006 1.000 1.0
04 0.990 1.059 1.087 1.123 0.997
PA/NPA (GZ) 0.996 0.997 0.993 0.998 1.006 1.000 1.0
04 0.990 1.059 1.087 1.123 0.997

1 -- POLLUTANT MASS INPUT TO COLUMN (U
G) ----

	OCT	NOV	DEC	JAN	FEB	MAR	APR
MAY	JUN	JUL	AUG	SEP			
PRECIP.	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+
00 0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00			
LOAD UPPER	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+
00 0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00			
LOAD ZONE 2	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+
00 0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00			
LOAD ZONE 3	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+
00 0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00			
LOAD LOWER	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+
00 0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00			
TOTAL INPUT	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+
00 0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00			

0 -- POLLUTANT MASS DISTRIBUTION IN COLUMN (UG) --- NOTE: IF COMPONENT 1
S ZERO EACH MONTH, IT IS NOT PRINTED

UPPER SOIL ZONE:

SUBLAYER 1

VOLATILIZED	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+
00 0.000E+00	0.000E+00	0.000E+00	0.000E+00	2.781E+08	2.795E+08		
DEGRAD MOIS	2.338E+06	3.024E+06	3.792E+06	4.072E+06	3.637E+06	3.165E+06	2.766E+
06 2.368E+06	2.220E+06	2.117E+06	2.021E+06	2.014E+06			
DEGRAD SOIL	3.320E+08	3.320E+08	3.320E+08	3.320E+08	3.320E+08	3.320E+08	3.320E+
08 3.320E+08	3.320E+08	3.320E+08	3.320E+08	3.320E+08			
IN SOIL MOI	7.794E+06	1.008E+07	1.264E+07	1.357E+07	1.212E+07	1.055E+07	9.221E+
06 7.892E+06	7.401E+06	7.056E+06	6.736E+06	6.712E+06			
ADS ON SOIL	1.107E+09	1.107E+09	1.107E+09	1.107E+09	1.107E+09	1.107E+09	1.107E+
09 1.107E+09	1.107E+09	1.107E+09	1.107E+09	1.107E+09			
IN SOIL AIR	2.018E+07	2.466E+07	2.052E+07	1.911E+07	2.155E+07	2.421E+07	2.606E+
07 2.810E+07	2.870E+07	2.895E+07	2.947E+07	2.953E+07			
PURE PHASE	7.686E+09	7.352E+09	7.018E+09	6.682E+09	6.345E+09	6.009E+09	5.674E+
09 5.339E+09	5.004E+09	4.670E+09	4.054E+09	3.444E+09			

SUBLAYER 2

SUBLAYER 3

SUBLAYER 4

LOWER ZONE:

SOIL ZONE 1:

SUBLAYER 1

LOWER SOIL ZONE:

SUBLAYER 1

--- POLLUTANT CONCENTRATIONS (UG/ML) OR (UG/G) --- NOTE: IF CONCENTRATIONS ARE ZERO FOR EACH MONTH, THEY ARE NOT PRINTED ---

UPPER SOIL ZONE:

SUBLAYER 1

MOISTURE	2.000E-01	2.000E-01	2.000E-01	2.000E-01	2.000E-01	2.000E-01	2.000E-01	2.000E-01	2.000E-01	2.000E-01	2.000E-01	2.000E-01
%SOLUBILITY	1.000E+02	1.000E+02	1.000E+02	1.000E+02	1.000E+02	1.000E+02	1.000E+02	1.000E+02	1.000E+02	1.000E+02	1.000E+02	1.000E+02
ADSORBED	1.600E+00	1.600E+00	1.600E+00	1.600E+00	1.600E+00	1.600E+00	1.600E+00	1.600E+00	1.600E+00	1.600E+00	1.600E+00	1.600E+00
SOIL AIR	3.354E-01	3.398E-01	3.432E-01	3.467E-01	3.455E-01	3.448E-01	3.389E-01	3.365E-01	3.339E-01	3.301E-01	3.301E-01	3.302E-01
PURE PHASE	1.500E+01	1.435E+01	1.370E+01	1.304E+01	1.238E+01	1.173E+01	1.107E+01	1.042E+01	9.767E+00	9.115E+00	7.920E+00	6.722E+00

SOIL ZONE 2:

SOIL ZONE 3:

LOWER SOIL ZONE:

POL DEF CM	3.939E+00	4.386E+00	5.074E+00	5.959E+00	6.551E+00	7.032E+00	7.315E+00	7.387E+00	7.409E+00	7.416E+00	7.424E+00	7.464E+00

YEAR = 2 ANNUAL SUMMARY REPORT

--- TOTAL INPUTS (UG) ---

UPPER SOIL ZONE	0.000E+00
SOIL ZONE 2	0.000E+00
SOIL ZONE 3	0.000E+00
LOWER SOIL ZONE	0.000E+00

HYDROLOGIC CYCLE COMPONENTS ---

AVERAGE SOIL MOISTURE ZONE 1 (%)	9.089
AVERAGE SOIL MOISTURE BELOW ZONE 1 (%)	9.089
TOTAL PRECIPITATION (CM)	46.017
TOTAL INFILTRATION (CM)	45.467
TOTAL EVAPOTRANSPIRATION (CM)	25.356

TOTAL MOISTURE RETENTION (CM) 0.000
TOTAL YIELD (CM) 20.661

0 ** POLLUTANT MASS DISTRIBUTION IN COLUMN (UG) --- NOTE: IF COMPONENT I
S ZERO EACH MONTH, IT IS NOT PRINTED

FOR FINAL MASS IN SOIL MOI.., ADS., ON SOIL, SOIL AIR, IMMOBIL CEC, COMPLEXED, AN
D PURE PHASE FOR EACH SUBLAYER, SEE ABOVE (MONTH SEP)

UPPER SOIL ZONE:

SUBLAYER 1

TOTAL VOLATILIZED 5.577E+08
TOTAL DEGRADED (MOISTURE) 3.353E+07
TOTAL DEGRADED (SOIL) 3.984E+09

SUBLAYER 2

SUBLAYER 3

SUBLAYER 4

SOIL ZONE 2:

SUBLAYER 1

SOIL ZONE 3:

SUBLAYER 1

LOWER SOIL ZONE:

SUBLAYER 1

1 --- AVERAGE POLLUTANT CONCENTRATIONS --- NOTE: ONLY NON
-ZERO VALUES ARE PRINTED ---

UPPER SOIL ZONE:

SUBLAYER 1

SOIL MOISTURE (UG/ML) 2.000E-01
ADSORBED SOIL (UG/G) 1.600E+00
SOIL AIR (UG/ML) 3.379E-01
PURE PHASE (UG/ML) 1.352E+02

SOIL ZONE 2:

SOIL ZONE 3:

LOWER SOIL ZONE:

YEAR - 3 MONTHLY RESULTS (OUTPUT)

--- HYDROLOGIC CYCLE COMPONENTS ---

	MAY	JUN	OCT JUL	NOV AUG	DEC SEP	JAN	FEB	MAR	APR
MOIS. IN L1 (%)			7.605	9.837	12.333	13.245	11.829	10.293	8.9
97	7.701	7.221	6.885	6.573	6.549				
MOIS. BELOW L1 (%)			7.605	9.837	12.333	13.245	11.829	10.293	8.9
97	7.701	7.221	6.885	6.573	6.549				
PRECIPITATION (CM)			2.770	5.730	8.204	10.342	7.123	6.082	3.6
34	0.951	0.328	0.120	0.135	0.598				
NET INFILT. (CM)			2.657	5.680	8.128	10.215	7.072	6.056	3.6
19	0.946	0.298	0.106	0.124	0.566				
EVAPOTRANS. (CM)			1.910	3.016	1.412	1.841	3.983	5.417	3.8
46	1.700	0.634	0.411	0.463	0.722				
MOIS. RETEN (CM)			0.684	1.445	1.616	0.591	-0.917	-0.994	-0.8
39	-0.839	-0.311	-0.218	-0.202	-0.016				
SUR. RUNOFF (CM)			0.113	0.050	0.076	0.127	0.051	0.026	0.0
15	0.000	0.030	0.013	0.011	0.033				
GRW. RUNOFF (CM)			0.064	1.219	5.100	7.783	4.005	1.633	0.6
12	0.084	-0.025	-0.087	-0.137	-0.141				
YIELD (CM)			0.177	1.269	5.176	7.910	4.056	1.659	0.6
27	0.089	0.005	-0.074	-0.126	-0.108				
PAU/PPA (GZU)			0.996	0.997	0.993	0.998	1.006	1.000	1.C
04	0.990	1.059	1.087	1.123	0.997				
PA/PPA (GZ)			0.996	0.997	0.993	0.998	1.006	1.000	1.C
04	0.990	1.059	1.087	1.123	0.997				

1
G

--- POLLUTANT MASS INPUT TO COLUMN (L

	MAY	OCT JUN	NOV JUL	DEC AUG	JAN SEP	FEB	MAR	APR
PRECIP.	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+
00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00			
LOAD UPPER	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+
00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00			
LOAD ZONE 2	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+
00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00			
LOAD ZONE 3	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+
00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00			
LOAD LOWER	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+
00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00			

+00 0.000E+00 0.000E+00 0.000E+00 0.000E+00 0.000E+00
0 - POLLUTANT MASS DISTRIBUTION IN COLUMN (UG) --- NOTE: IF COMPONENT I
S ZERO EACH MONTH, IT IS NOT PRINTED

UPPER SOIL ZONE:

SUBLAYER 1

VOLATILIZED 0.000E+00 0.000E+00 0.000E+00 0.000E+00 0.000E+00 0.000E+00 0.000E+
00 0.000E+00 0.000E+00 0.000E+00 2.307E+08 1.371E+08
DEGRAD MOIS 2.338E+06 3.024E+06 3.792E+06 4.072E+06 3.637E+06 3.165E+06 2.766E+
06 2.368E+06 2.220E+06 2.117E+06 1.677E+06 9.878E+05
DEGRAD SOIL 3.320E+08 3.320E+08 3.320E+08 3.320E+08 3.320E+08 3.320E+08 3.320E+
08 3.320E+08 3.320E+08 3.320E+08 2.755E+08 1.629E+08
IN SOIL MOI 7.794E+06 1.008E+07 1.264E+07 1.357E+07 1.212E+07 1.055E+07 9.221E+
06 7.892E+06 7.401E+06 7.056E+06 4.300E+06 2.516E+06
ADS ON SOIL 1.107E+09 1.107E+09 1.107E+09 1.107E+09 1.107E+09 1.107E+09 1.107E+
09 1.107E+09 1.107E+09 1.107E+09 7.064E+08 4.149E+08
IN SOIL AIR 2.818E+07 2.466E+07 2.052E+07 1.911E+07 2.155E+07 2.421E+07 2.606E+
07 2.810E+07 2.870E+07 2.895E+07 1.881E+07 1.107E+07
PURE PHASE 3.110E+09 2.776E+09 2.442E+09 2.107E+09 1.770E+09 1.434E+09 1.098E+
09 7.631E+08 4.288E+08 9.473E+07 0.000E+00 0.000E+00

SUBLAYER 2

SUBLAYER 3

SUBLAYER 4

SOIL ZONE 2:

SUBLAYER 1

SOIL ZONE 3:

SUBLAYER 1

LOWER SOIL ZONE:

SUBLAYER 1

-- POLLUTANT CONCENTRATIONS (UG/ML) OR (UG/G) --- NOTE: IF CONCENTRATIONS A
RE ZERO FOR EACH MONTH, THEY ARE NOT PRINTED ---

UPPER SOIL ZONE:

SUBLAYER 1

MOISTURE 2.000E-01 2.000E-01 2.000E-01 2.000E-01 2.000E-01 2.000E-01 2.000E-
01 2.000E-01 2.000E-01 2.000E-01 1.274E-01 7.429E-02

ADSORBED 1.600E+00 1.600E+00 1.600E+00 1.600E+00 1.600E+00 1.600E+00 1.600E+00 1.600E+00 1.600E+00 1.600E+00 1.600E+00 1.600E+00
SOIL AIR 3.354E-01 3.398E-01 3.432E-01 3.467E-01 3.455E-01 3.448E-01 3.309E-01 3.345E-01 3.359E-01 3.301E-01 2.107E-01 1.238E-01
PURE PHASE 6.070E+00 5.418E+00 4.766E+00 4.111E+00 3.454E+00 2.798E+00 2.143E+00 1.489E+00 8.368E-01 1.849E-01 0.000E+00 0.000E+00

SOIL ZONE 2:

SOIL ZONE 3:

LOWER SOIL ZONE:

POL DEF CM 7.666E+00 8.113E+00 8.801E+00 9.686E+00 1.028E+01 1.076E+01 1.104E+01 1.111E+01 1.114E+01 1.114E+01 1.115E+01 1.119E+01

--- TOTAL INPUTS (UG) ---

UPPER SOIL ZONE	0.000E+00
SOIL ZONE 2	0.000E+00
SOIL ZONE 3	0.000E+00
LOWER SOIL ZONE	0.000E+00

--- HYDROLOGIC CYCLE COMPONENTS ---

AVERAGE SOIL MOISTURE ZONE 1 (%)	9.089
AVERAGE SOIL MOISTURE BELOW ZONE 1 (%)	9.089
TOTAL PRECIPITATION (CM)	46.017
TOTAL INFILTRATION (CM)	45.467
TOTAL EVAPOTRANSPIRATION (CM)	25.356
TOTAL SURFACE RUNOFF (CM)	0.546
TOTAL GRW RUNOFF (CM)	20.110
TOTAL MOISTURE RETENTION (CM)	0.000
TOTAL YIELD (CM)	20.661

0 --- POLLUTANT MASS DISTRIBUTION IN COLUMN (UG) --- NOTE: IF COMPONENT IS ZERO EACH MONTH, IT IS NOT PRINTED

FOR FINAL MASS IN SOIL MOI., ADS. ON SOIL, SOIL AIR, IMMOBIL CEC, COMPLEXED, AND PURE PHASE FOR EACH SUBLAYER, SEE ABOVE (MONTH SEP)

UPPER SOIL ZONE:

SUBLAYER 1

TOTAL VOLATILIZED	3.679E+08
TOTAL DEGRADED (MOISTURE)	3.216E+07
TOTAL DEGRADED (SOIL)	3.759E+09

SUBLAYER 2

SUBLAYER 3

SOIL ZONE 2:

SUBLAYER 1

SOIL ZONE 3:

SUBLAYER 1

LOWER SOIL ZONE:

SUBLAYER 1

1 -- AVERAGE POLLUTANT CONCENTRATIONS --- NOTE: ONLY NON
-ZERO VALUES ARE PRINTED ---

UPPER SOIL ZONE:

SUBLAYER 1

SOIL MOISTURE (UG/ML)	1.836E-01
ADSORBED SOIL (UG/G)	1.468E+00
SOIL AIR (UG/ML)	3.108E-01
PURE PHASE (UG/ML)	3.127E+01

SOIL ZONE 2:

SOIL ZONE 3:

LOWER SOIL ZONE:

MAX. POLL. DEPTH (M)	1.119E-01

1

YEAR = 4 MONTHLY RESULTS (OUTPUT)

-- HYDROLOGIC CYCLE COMPONENTS ---

	OCT	NOV	DEC	JAN	FEB	MAR	APR
MAY JUN	JUL	AUG	SEP				
MOIS. IN L1 (%)	7.605	9.637	12.333	13.245	11.829	10.293	8.9
97 7.701 7.721	6.885	6.573	6.549				
MOIS. BELOW L1 (%)	7.605	9.637	12.333	13.245	11.829	10.293	8.9
97 7.701 7.221	6.885	6.573	6.549				
PRECIPITATION (IN)	2.279	5.750	8.204	10.342	7.153	6.089	3.6

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19      0.946      0.298      0.106      0.124      0.566
 EVAPOTRANS. (CM)            1.910      3.016      1.412      1.841      3.983      5.417      3.8
46      1.200      0.634      0.411      0.463      0.722
 MOIS. RETEN (CM)            0.684      1.445      1.616      0.591     -0.917     -0.994     -0.8
39     -0.839     -0.311     -0.218     -0.202     -0.016
 SUR. RUNOFF (CM)            0.113      0.050      0.076      0.127      0.051      0.036      0.0
15      0.000      0.030      0.013      0.011      0.033
 GRW. RUNOFF (CM)            0.064      1.219      5.100      7.783      4.005      1.633      0.6
12      0.084     -0.025     -0.087     -0.137     -0.141
 YIELD (CM)                  0.177      1.269      5.176      7.910      4.056      1.659      0.6
27      0.089      0.005     -0.074     -0.126     -0.108

 PAU/MPA (GZU)               0.996      0.997      0.993      0.998      1.006      1.000      1.0
04      0.990      1.059      1.087      1.123      0.997
 PA/MPA (GZ)                 0.996      0.997      0.993      0.998      1.006      1.000      1.0
04      0.990      1.059      1.087      1.123      0.997

1                                                    ---- POLLUTANT MASS INPUT TO COLUMN (U
G) --
                                                     -----------------------------------------
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                 OCT         NOV         DEC         JAN         FEB         MAR         APR
       MAY         JUN         JUL         AUG         SEP

 PRECIP.     0.000E+00 0.000E+00 0.000E+00 0.000E+00 0.000E+00 0.000E+00 0.000E+
00 0.000E+00 0.000E+00 0.000E+00 0.000E+00 0.000E+00
 LOAD UPPER  0.000E+00 0.000E+00 0.000E+00 0.000E+00 0.000E+00 0.000E+00 0.000E+
00 0.000E+00 0.000E+00 0.000E+00 0.000E+00 0.000E+00
 LOAD ZONE 2 0.000E+00 0.000E+00 0.000E+00 0.000E+00 0.000E+00 0.000E+00 0.000E+
00 0.000E+00 0.000E+00 0.000E+00 0.000E+00 0.000E+00
 LOAD ZONE 3 0.000E+00 0.000E+00 0.000E+00 0.000E+00 0.000E+00 0.000E+00 0.000E+
00 0.000E+00 0.000E+00 0.000E+00 0.000E+00 0.000E+00
 LOAD LOWER  0.000E+00 0.000E+00 0.000E+00 0.000E+00 0.000E+00 0.000E+00 0.000E+
00 0.000E+00 0.000E+00 0.000E+00 0.000E+00 0.000E+00

 TOTAL INPUT 0.000E+00 0.000E+00 0.000E+00 0.000E+00 0.000E+00 0.000E+00 0.000E+
00 0.000E+00 0.000E+00 0.000E+00 0.000E+00 0.000E+00
0           ---- POLLUTANT MASS DISTRIBUTION IN COLUMN (UG) ---- NOTE: IF COMPONENT I
S ZERO EACH MONTH, IT IS NOT PRINTED
            ------------------------------------------------------------------------
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       UPPER SOIL ZONE:

            SUBLAYER  1

 VOLATILIZED 0.000E+00 0.000E+00 0.000E+00 0.000E+00 0.000E+00 0.000E+00 0.000E+
00 0.000E+00 0.000E+00 0.000E+00 4.322E+04 2.553E+06
 DEGRAD MOIS 7.570E+05 7.322E+05 6.860E+05 5.496E+05 3.658E+05 2.373E+05 1.548E+
05 9.895E+04 6.934E+04 4.942E+04 3.141E+04 1.839E+04
 DEGRAD SOIL 1.075E+08 8.039E+07 6.007E+07 4.482E+07 3.340E+07 2.490E+07 1.856E+
07 1.388E+07 1.037E+07 7.752E+06 5.160E+06 3.033E+06
 IN SOIL MOI 2.184E+06 2.112E+06 1.978E+06 1.584E+06 1.055E+06 6.844E+05 4.466E+
05 2.855E+05 2.001E+05 1.426E+05 8.005E+04 4.685E+04
 ADS ON SOIL 3.102E+08 2.310E+08 1.732E+08 1.292E+08 9.628E+07 7.181E+07 5.361E+
07 4.004E+07 2.992E+07 2.237E+07 1.315E+07 7.725E+06
 IN SOIL AIR 7.892E+06 5.165E+06 3.210E+06 2.230E+06 1.874E+06 1.571E+06 1.262E+
06 1.012E+06 7.760E+05 5.851E+05 3.503E+05 2.061E+05

            SUBLAYER  2
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SUBLAYER 4

SOIL ZONE 2:

SUBLAYER 1

SOIL ZONE 3:

SUBLAYER 1

LOWER SOIL ZONE:

SUBLAYER 1

-- POLLUTANT CONCENTRATIONS (UG/ML) OR (UG/G) -- NOTE: IF CONCENTRATIONS ARE ZERO FOR EACH MONTH, THEY ARE NOT PRINTED --

UPPER SOIL ZONE:

SUBLAYER 1

MOISTURE	5.605E-02	4.190E-02	3.129E-02	2.334E-02	1.740E-02	1.298E-02	9.687E-03	7.235E-03	5.407E-03	4.042E-03	2.377E-03	1.396E-03
%SOLUBILITY	2.802E+01	2.095E+01	1.565E+01	1.167E+01	8.699E+00	6.488E+00	4.844E+00	3.618E+00	2.704E+00	2.021E+00	1.188E+00	6.980E-01
ADSORBED	4.484E-01	3.352E-01	2.503E-01	1.867E-01	1.392E-01	1.038E-01	7.750E-02	5.788E-02	4.326E-02	3.234E-02	1.901E-02	1.117E-02
SOIL AIR	9.400E-02	7.117E-02	5.370E-02	4.046E-02	3.006E-02	2.237E-02	1.642E-02	1.217E-02	9.027E-03	6.672E-03	3.923E-03	2.305E-03

SOIL ZONE 2:

SOIL ZONE 3:

LOWER SOIL ZONE:

POR. DIFF CM	1.139E+01	1.184E+01	1.253E+01	1.341E+01	1.400E+01	1.449E+01	1.477E+01	1.494E+01	1.486E+01	1.487E+01	1.488E+01	1.492E+01

-- TOTAL INPUTS (UG) --

UPPER SOIL ZONE	0.000E+00
SOIL ZONE 2	0.000E+00
SOIL ZONE 3	0.000E+00
LOWER SOIL ZONE	0.000E+00

-- HYDROLOGIC CYCLE COMPONENTS --

AVERAGE SOIL MOISTURE BELOW ZONE 1 (%) 9.089
TOTAL PRECIPITATION (CM) 46.017
TOTAL INFILTRATION (CM) 45.467
TOTAL EVAPOTRANSPIRATION (CM) 25.356
TOTAL SURFACE RUNOFF (CM) 0.546
TOTAL GW RUNOFF (CM) 20.110
TOTAL MOISTURE RETENTION (CM) 0.000
TOTAL YIELD (CM) 20.661

0 - POLLUTANT MASS DISTRIBUTION IN COLUMN (UG) --- NOTE: IF COMPONENT I S ZERO EACH MONTH, IT IS NOT PRINTED

FOR FINAL MASS IN SOIL MOI., ADS. ON SOIL, SOIL AIR, IMMOBIL CEC, COMPLEXED, AN D PURE PHASE FOR EACH SUBLAYER, SEE ABOVE (MONTH SEP)

UPPER SOIL ZONE:

SUBLAYER 1

TOTAL VOLATILIZED 6.076E+06
TOTAL DEGRADED (MOISTURE) 3.750E+06
TOTAL DEGRADED (SOIL) 4.098E+08

SUBLAYER 2

SUBLAYER 3

SUBLAYER 4

SOIL ZONE 2:

SUBLAYER 1

SOIL ZONE 3:

SUBLAYER 1

LOWER SOIL ZONE:

SUBLAYER 1

1 -- AVERAGE POLLUTANT CONCENTRATIONS --- NOTE: ONLY NON -ZERO VALUES ARE PRINTED ---

UPPER SOIL ZONE:

SUBLAYER 1

SOIL MOISTURE (UG/ML) 1.776E-02
ADSORBED SOIL (UG/G) 1.421E-01
SOIL AIR (UG/ML) 3.019E-02

SOIL ZONE 2:

POWER SOIL ZONE =

MAX. POLL. DEPTH (M) 1.492E-01

YEAR - 5 MONTHLY RESULTS (OUTPUT)

HYDROLOGIC CYCLE COMPONENTS ---

	MAY	JUN	OCT JUL	NOV AUG	DEC SEP	JAN	FEB	MAR	APR
MOIS. IN L1 (%)			7.605	9.837	12.333	13.245	11.829	10.293	8.9
97	7.701	7.221	6.885	6.573	6.549				
MOIS. BELOW L1 (%)			7.605	9.837	12.333	13.245	11.829	10.293	8.9
97	7.701	7.221	6.885	6.573	6.549				
PRECIPITATION (CM)			2.770	5.730	8.204	10.342	7.123	6.082	3.6
34	0.951	0.328	0.120	0.135	0.598				
NET INFILT. (CM)			2.657	5.680	8.128	10.215	7.072	6.056	3.6
19	0.946	0.298	0.106	0.124	0.566				
EVAPOTRANS. (CM)			1.910	3.016	1.412	1.841	3.983	5.417	3.8
46	1.700	0.634	0.411	0.463	0.722				
MOIS. RETEN (CM)			0.684	1.445	1.616	0.591	-0.917	-0.994	-0.8
39	-0.839	-0.311	-0.218	-0.202	-0.016				
SUR. RUNOFF (CM)			0.113	0.050	0.076	0.127	0.051	0.026	0.0
15	0.000	0.030	0.013	0.011	0.033				
GRW. RUNOFF (CM)			0.064	1.219	5.100	7.783	4.005	1.633	0.6
12	0.084	-0.025	-0.087	-0.137	-0.141				
YIELD (CM)			0.177	1.269	5.176	7.910	4.056	1.659	0.6
27	0.089	0.005	-0.074	-0.126	-0.108				
PAU/MPA (GZU)			0.996	0.997	0.993	0.998	1.006	1.000	1.0
04	0.990	1.059	1.087	1.123	0.997				
PA/MPA (GZ)			0.996	0.997	0.993	0.998	1.006	1.000	1.0
04	0.990	1.059	1.087	1.123	0.997				

--- POLLUTANT MASS INPUT TO COLUMN (U

	MAY	JUN	OCT JUL	NOV AUG	DEC SEP	JAN	FEB	MAR	APR
PRECIP.	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+
00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00			
LOAD WATER	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+
00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00			
LOAD SOIL	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+

00 0.000E+00 0.000E+00 0.000E+00 0.000E+00 0.000E+00 0.000E+00

LOAD LOWER 0.000E+00 0.000E+00 0.000E+00 0.000E+00 0.000E+00 0.000E+00 0.000E+00 0.000E+00 0.000E+00 0.000E+00 0.000E+00 0.000E+00

TOTAL INPUT 0.000E+00 0.000E+00 0.000E+00 0.000E+00 0.000E+00 0.000E+00 0.000E+00 0.000E+00 0.000E+00 0.000E+00 0.000E+00 0.000E+00

0 --- POLLUTANT MASS DISTRIBUTION IN COLUMN (UG) --- NOTE: IF COMPONENT IS ZERO EACH MONTH, IT IS NOT PRINTED

UPPER SOIL ZONE:

SUBLAYER 1

VOLATILIZED 0.000E+00 0.000E+00 0.000E+00 0.000E+00 0.000E+00 0.000E+00 0.000E+00 0.000E+00 0.000E+00 0.000E+00 8.047E+04 4.754E+04

DEGRAD MOIS 1.409E+04 1.363E+04 1.277E+04 1.023E+04 6.810E+03 4.418E+03 2.883E+03 1.842E+03 1.291E+03 9.201E+02 5.847E+02 3.424E+02

DEGRAD SOIL 2.001E+06 1.496E+06 1.118E+06 8.344E+05 6.218E+05 4.636E+05 3.460E+05 2.584E+05 1.931E+05 1.443E+05 9.607E+04 5.646E+04

IN SOIL MOI 4.066E+04 3.931E+04 3.682E+04 2.949E+04 1.963E+04 1.274E+04 8.316E+03 5.316E+03 3.725E+03 2.655E+03 1.490E+03 8.722E+02

ADS ON SOIL 5.774E+06 4.316E+06 3.224E+06 2.405E+06 1.793E+06 1.337E+06 9.982E+05 7.455E+05 5.571E+05 4.165E+05 2.449E+05 1.438E+05

IN SOIL ATR 1.470E+05 9.615E+04 5.976E+04 4.151E+04 3.490E+04 2.925E+04 2.350E+04 1.893E+04 1.445E+04 1.089E+04 6.521E+03 3.837E+03

SUBLAYER 2

SUBLAYER 3

SUBLAYER 4

SOIL ZONE 2:

SUBLAYER 1

SOIL ZONE 3:

SUBLAYER 1

LOWER SOIL ZONE:

SUBLAYER 1

- POLLUTANT CONCENTRATIONS (UG/ML) OR (UG/G) -- NOTE: IF CONCENTRATIONS ARE ZERO FOR EACH MONTH, THEY ARE NOT PRINTED --

UPPER SOIL ZONE:

SUBLAYER 1

SOIL UTILITY 5.217E-01 3.900E-01 2.913E-01 2.173E-01 1.620E-01 1.208E-01 9.019E-02 6.736E-02 5.033E-02 3.763E-02 2.813E-02 1.300E-02
ADSORBED 8.347E-03 6.240E-03 4.660E-03 3.476E-03 2.591E-03 1.933E-03 1.443E-03 1.079E-03 8.054E-04 6.021E-04 3.540E-04 2.079E-04
SOIL ATR 1.750E-03 1.325E-03 9.997E-04 7.533E-04 5.596E-04 4.155E-04 3.057E-04 2.264E-04 1.680E-04 1.242E-04 7.303E-05 4.292E-05

SOIL ZONE 2:

SOIL ZONE 3:

LOWER SOIL ZONE:

POL DEP CM 1.512E+01 1.557E+01 1.625E+01 1.714E+01 1.773E+01 1.821E+01 1.850E+01 1.857E+01 1.859E+01 1.860E+01 1.860E+01 1.865E+01

--- TOTAL INPUTS (UG) ---

UPPER SOIL ZONE	0.000E+00
SOIL ZONE 2	0.000E+00
SOIL ZONE 3	0.000E+00
LOWER SOIL ZONE	0.000E+00

--- HYDROLOGIC CYCLE COMPONENTS ---

AVERAGE SOIL MOISTURE ZONE 1 (%)	9.089
AVERAGE SOIL MOISTURE BELOW ZONE 1 (%)	9.089
TOTAL PRECIPITATION (CM)	46.017
TOTAL INFILTRATION (CM)	45.467
TOTAL EVAPOTRANSPIRATION (CM)	25.356
TOTAL SURFACE RUNOFF (CM)	0.546
TOTAL GRW RUNOFF (CM)	20.110
TOTAL MOISTURE RETENTION (CM)	0.000
TOTAL YIELD (CM)	20.661

0 --- POLLUTANT MASS DISTRIBUTION IN COLUMN (UG) --- NOTE: IF COMPONENT IS ZERO EACH MONTH, IT IS NOT PRINTED

FOR FINAL MASS IN SOIL MOI., ADS. ON SOIL, SOIL AIR, IMMOBIL CEC, COMPLEXED, AND PURE PHASE FOR EACH SUBLAYER, SEE ABOVE (MONTH SEP)

UPPER SOIL ZONE:

SUBLAYER 1

TOTAL VOLATILIZED	1.280E+05
TOTAL DEGRADED (MOISTURE)	6.952E+04
TOTAL DEGRADED (SOIL)	7.630E+06

SUBLAYER 2

SUBLAYER 3

SOIL ZONE 2:

SUBLAYER 1

SOIL ZONE 3:

SUBLAYER 1

LOWER SOIL ZONE:

SUBLAYER 1

1 --- AVERAGE POLLUTANT CONCENTRATIONS --- NOTE: ONLY NON-ZERO VALUES ARE PRINTED ---

UPPER SOIL ZONE:

SUBLAYER 1

SOIL MOISTURE (UG/ML)	3.306E-04
ADSORBED SOIL (UG/G)	2.645E-03
SOIL AIR (UG/ML)	5.620E-04

SOIL ZONE 2:

SOIL ZONE 3:

LOWER SOIL ZONE:

MAX. POLL. DEPTH (M)	1.865E-01

1

YEAR = 6 MONTHLY RESULTS (OUTPUT)

--- HYDROLOGIC CYCLE COMPONENTS ---

	OCT	NOV	DEC	JAN	FEB	MAR	APR
	MAY	JUN	JUL	AUG	SEP		
MOIS. IN L1 (%)	7.605	9.837	12.333	13.245	11.829	10.293	8.9
9%	7.701	7.221	6.885	6.573	6.549		
MOIS. BELOW L1 (%)	7.605	9.837	12.333	13.245	11.829	10.293	8.9
9%	7.701	7.221	6.885	6.573	6.549		
PRECIPITATION (CM)	3.770	5.730	8.204	10.342	7.123	6.082	3.6

17 0.345 0.293 0.106 0.129 0.565								
PRECIPITATION (CM)		1.910	3.016	1.412	1.041	3.983	5.417	3.8
42 1.760 0.434 0.411 0.463 0.722								
RUNOFF (CM)		0.684	1.345	1.616	0.591	-0.917	-0.994	-0.8
39 -0.839 -0.311 -0.216 -0.202 -0.016								
SURFACE RUNOFF (CM)		0.113	0.050	0.076	0.127	0.051	0.026	0.0
15 0.006 0.030 0.013 0.011 0.033								
GROUNDWATER RUNOFF (CM)		0.064	1.219	5.100	7.783	4.005	1.633	0.6
12 0.084 -0.025 -0.087 -0.137 -0.141								
YIELD (CM)		0.177	1.269	5.176	7.910	4.056	1.659	0.6
27 0.089 0.005 -0.074 -0.126 -0.108								
PAU/PPA (GZU)		0.996	0.997	0.993	0.998	1.006	1.000	1.0
04 0.990 1.059 1.087 1.123 0.997								
PA/PPA (GZ)		0.996	0.997	0.993	0.998	1.006	1.000	1.0
04 0.990 1.059 1.087 1.123 0.997								

1 -- POLLUTANT MASS INPUT TO COLUMN (U
G)

	OCT	NOV	DEC	JAN	FEB	MAR	APR
MAY	JUN	JUL	AUG	SEP			
PRECIP.	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+
00 0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00			
LOAD UPPER	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+
00 0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00			
LOAD ZONE 2	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+
00 0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00			
LOAD ZONE 3	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+
00 0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00			
LOAD LOWER	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+
00 0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00			
TOTAL INPUT	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+
00 0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00			

0 -- POLLUTANT MASS DISTRIBUTION IN COLUMN (UG) -- NOTE: IF COMPONENT 1
S ZERO EACH MONTH, IT IS NOT PRINTED

UPPER SOIL ZONE:

SUBLAYER 1

VOLATILIZED	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+
00 0.000E+00	0.000E+00	0.000E+00	1.498E+03	8.848E+02			
DEGRAD MOIS	2.624E+02	2.538E+02	2.378E+02	1.905E+02	1.268E+02	8.226E+01	5.367E+
01 3.430E+01	2.404E+01	1.713E+01	1.089E+01	6.373E+00			
DEGRAD SOIL	3.726E+04	2.786E+04	2.082E+04	1.553E+04	1.158E+04	8.631E+03	6.443E+
03 4.810E+03	3.595E+03	2.687E+03	1.788E+03	1.051E+03			
IN SOIL MOI	7.571E+02	7.320E+02	6.854E+02	5.491E+02	3.655E+02	2.372E+02	1.548E+
02 9.898E+01	6.936E+01	4.943E+01	2.774E+01	1.623E+01			
ADS ON SOIL	1.078E+05	8.036E+04	6.002E+04	4.477E+04	3.337E+04	2.489E+04	1.856E+
04 1.383E+04	1.031E+04	7.754E+03	4.558E+03	2.677E+03			
IN SOIL AIR	2.731E+03	1.790E+03	1.113E+03	7.729E+02	6.497E+02	5.446E+02	4.575E+
02 3.924E+02	2.690E+02	2.028E+02	1.214E+02	7.141E+01			

SUBLAYER 2

SUBLAYER 4

SOIL ZONE 2:

SUBLAYER 1

SOIL ZONE 3:

SUBLAYER 1

LOWER SOIL ZONE:

SUBLAYER 1

-- POLLUTANT CONCENTRATIONS (UG/ML) OR (UG/G) --- NOTE: IF CONCENTRATIONS ARE ZERO FOR EACH MONTH, THEY ARE NOT PRINTED ---

UPPER SOIL ZONE:

SUBLAYER 1

MOISTURE	1.943E-05	1.452E-05	1.085E-05	8.090E-06	6.031E-06	4.498E-06	3.358E-06	2.508E-06	1.874E-06	1.401E-06	8.237E-07	4.837E-07	
%SOLUBILITY	9.714E-03	7.261E-03	5.423E-03	4.045E-03	3.015E-03	2.249E-03	1.679E-03	1.254E-03	9.372E-04	7.006E-04	4.118E-04	2.418E-04	
ADSORBED	1.554E-04	1.162E-04	8.677E-05	6.472E-05	4.825E-05	3.599E-05	2.687E-05	2.007E-05	1.500E-05	1.121E-05	6.590E-06	3.869E-06	
SOIL AIR	3.259E-05	2.467E-05	1.861E-05	1.403E-05	1.042E-05	7.754E-06	5.692E-06	4.220E-06	3.129E-06	2.312E-06	1.359E-06	7.986E-07	

SOIL ZONE 2:

SOIL ZONE 3:

LOWER SOIL ZONE:

POL DEP CN	1.885E+01	1.929E+01	1.998E+01	2.087E+01	2.146E+01	2.194E+01	2.222E+01	2.229E+01	2.232E+01	2.232E+01	2.233E+01	2.237E+01	

-- TOTAL INPUTS (UG) --

UPPER SOIL ZONE	0.000E+00
SOIL ZONE 2	0.000E+00
SOIL ZONE 3	0.000E+00
LOWER SOIL ZONE	0.000E+00

HYDROLOGIC CYCLE COMPONENTS --

AVERAGE SOIL MOISTURE BELOW ZONE 1 (%) 9.083

TOTAL PRECIPITATION (CM)	46.017
TOTAL INFILTRATION (CM)	45.467
TOTAL EVAPOTRANSPIRATION (CM)	25.356
TOTAL SURFACE RUNOFF (CM)	0.546
TOTAL GRW RUNOFF (CM)	20.110
TOTAL MOISTURE RETENTION (CM)	0.000
TOTAL YIELD (CM)	20.641

0 --- POLLUTANT MASS DISTRIBUTION IN COLUMN (UG) --- NOTE: IF COMPONENT I
S ZERO EACH MONTH, IT IS NOT PRINTED

FOR FINAL MASS IN SOIL MOI., ADS. ON SOIL, SOIL AIR, IMMOBIL CEC, COMPLEXED, AN
D PURE PHASE FOR EACH SUBLAYER, SEE ABOVE (MONTH SEP)

UPPER SOIL ZONE:

SUBLAYER 1

TOTAL VOLATILIZED	2.383E+03
TOTAL DEGRADED (MOISTURE)	1.300E+03
TOTAL DEGRADED (SOIL)	1.421E+05

SUBLAYER 2

SUBLAYER 3

SUBLAYER 4

SOIL ZONE 2:

SUBLAYER 1

SOIL ZONE 3:

SUBLAYER 1

LOWER SOIL ZONE:

SUBLAYER 1

1 --- AVERAGE POLLUTANT CONCENTRATIONS --- NOTE: ONLY NON
-ZERO VALUES ARE PRINTED ---

UPPER SOIL ZONE:

SUBLAYER 1

SOIL MOISTURE (UG/ML)	6.156E-06
ADSORBED SOIL (UG/G)	4.924E-05
SOIL AIR (UG/ML)	1.046E-05

SOIL ZONE 2:

LOWER SOIL ZONE:

MAX. POLL. DEPTH (N) 2.237E-01

1

YEAR - 7 MONTHLY RESULTS (OUTPUT)

-- HYDROLOGIC CYCLE COMPONENTS --

	MAY	JUN	OCT JUL	NOV AUG	DEC SEP	JAN	FEB	MAR	APR
MOIS. IN L1 (%)			7.605	9.837	12.333	13.245	11.829	10.293	8.9
97	7.701	7.221	6.885	6.573	6.549				
MOIS. BELOW L1 (%)			7.605	9.837	12.333	13.245	11.829	10.293	8.9
97	7.701	7.221	6.885	6.573	6.549				
PRECIPATION (CM)			2.770	5.730	8.204	10.342	7.123	6.082	3.6
34	0.951	0.328	0.120	0.135	0.598				
NET INFILT. (CM)			2.657	5.680	8.128	10.215	7.072	6.056	3.6
19	0.946	0.298	0.106	0.124	0.566				
EVAPOTRANS. (CM)			1.910	3.016	1.412	1.841	3.983	5.417	3.8
46	1.700	0.634	0.411	0.463	0.722				
MOIS. RETEN (CM)			0.684	1.445	1.616	0.591	-0.917	-0.994	-0.8
39	-0.839	-0.311	-0.218	-0.202	-0.016				
SUR. RUNOFF (CM)			0.113	0.050	0.076	0.127	0.051	0.026	0.0
15	0.000	0.030	0.013	0.011	0.033				
GRW. RUNOFF (CM)			0.064	1.219	5.100	7.783	4.005	1.633	0.6
12	0.084	-0.025	-0.087	-0.137	-0.141				
YIELD (CM)			0.177	1.269	5.176	7.910	4.056	1.659	0.6
27	0.089	0.005	-0.074	-0.126	-0.108				
PAU/MPA (GZU)			0.996	0.997	0.993	0.998	1.006	1.000	1.0
04	0.990	1.059	1.087	1.123	0.997				
PA/MPA (GZ)			0.996	0.997	0.993	0.998	1.006	1.000	1.0
04	0.990	1.059	1.087	1.123	0.997				

1

-- POLLUTANT MASS INPUT TO COLUMN (U

G) --

	MAY	JUN	OCT JUL	NOV AUG	DEC SEP	JAN	FEB	MAR	APR
PRECIP.	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+
00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00				
LOAD UPPER	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+
00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00				
LOAD LOWER Z	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+

00 0.000E+00 0.000E+00 0.000E+00 0.000E+00 0.000E+00 0.000E+00

LOAD LOWER 0.000E+00 0.000E+00 0.000E+00 0.000E+00 0.000E+00 0.000E+00 0.000E+00 0.000E+00 0.000E+00 0.000E+00 0.000E+00 0.000E+00

TOTAL INPUT 0.000E+00 0.000E+00 0.000E+00 0.000E+00 0.000E+00 0.000E+00 0.000E+00 0.000E+00 0.000E+00 0.000E+00 0.000E+00 0.000E+00

--- POLLUTANT MASS DISTRIBUTION IN COLUMN (UG) --- NOTE: IF COMPONENT IS ZERO EACH MONTH, IT IS NOT PRINTED

UPPER SOIL ZONE:

SUBLAYER 1

VOLATILIZED 0.000E+00 0.000E+00 0.000E+00 0.000E+00 0.000E+00 0.000E+00 0.000E+00 0.000E+00 0.000E+00 0.000E+00 2.705E+01 1.580E+01

DEGRAD MOIS 4.832E+00 4.719E+00 4.418E+00 3.535E+00 2.350E+00 1.522E+00 9.912E-01 6.312E-01 4.000E-01 3.117E-01 1.965E-01 1.138E-01

DEGRAD SOIL 6.932E+02 5.181E+02 3.868E+02 2.883E+02 2.145E+02 1.597E+02 1.190E+02 8.857E+01 6.580E+01 4.889E+01 3.229E+01 1.877E+01

IN SOIL MOI 1.408E+01 1.360E+01 1.273E+01 1.018E+01 6.771E+00 4.388E+00 2.856E+00 1.816E+00 1.266E+00 8.961E-01 4.985E-01 2.876E-01

ADS ON SOIL 2.000E+03 1.494E+03 1.114E+03 8.303E+02 6.181E+02 4.604E+02 3.428E+02 2.546E+02 1.893E+02 1.406E+02 8.190E+01 4.743E+01

IN SOIL AIR 5.091E+01 3.327E+01 2.066E+01 1.433E+01 1.203E+01 1.007E+01 8.070E+00 6.465E+00 4.910E+00 3.676E+00 2.181E+00 1.265E+00

SUBLAYER 2

SUBLAYER 3

SUBLAYER 4

SOIL ZONE 2:

SUBLAYER 1

SOIL ZONE 3:

SUBLAYER 1

LOWER SOIL ZONE:

SUBLAYER 1

--- POLLUTANT CONCENTRATIONS (UG/ML) OR (UG/G) --- NOTE: IF CONCENTRATIONS ARE ZERO FOR EACH MONTH, THEY ARE NOT PRINTED ---

UPPER SOIL ZONE:

SUBLAYER 1

```
08 4.601E-08 3.421E-08 2.540E-08 1.480E-08 8.570E-09
 SOLUBILITY   1.802E-04 1.349E-04 1.007E-04 7.502E-05 5.585E-05 4.160E-05 3.092E-
05 2.300E-05 1.710E-05 1.270E-05 7.400E-06 4.285E-06
 ADSORBED      2.891E-06 2.159E-06 1.611E-06 1.200E-06 8.936E-07 6.656E-07 4.955E-
07 3.681E-07 2.737E-07 2.032E-07 1.184E-07 6.856E-08
 SOIL AIR      6.061E-07 4.585E-07 3.456E-07 2.601E-07 1.930E-07 1.434E-07 1.050E-
07 7.741E-08 5.711E-08 4.192E-08 2.443E-08 1.415E-08

        SOIL ZONE 2:

        SOIL ZONE 3:

        LOWER SOIL ZONE:


 POL DEP CM   2.257E+01 2.302E+01 2.371E+01 2.459E+01 2.519E+01 2.567E+01 2.595E+
01 2.602E+01 2.604E+01 2.605E+01 2.606E+01 2.610E+01
1                                YEAR -    7 ANNUAL SUMMARY REPORT
                                 -----------------------------------


          --- TOTAL INPUTS (UG) ---


 UPPER SOIL ZONE                     0.000E+00
 SOIL ZONE 2                         0.000E+00
 SOIL ZONE 3                         0.000E+00
 LOWER SOIL ZONE                     0.000E+00


              --- HYDROLOGIC CYCLE COMPONENTS ---

 AVERAGE SOIL MOISTURE ZONE 1 (%)                      9.089
 AVERAGE SOIL MOISTURE BELOW ZONE 1 (%)                9.089
 TOTAL PRECIPITATION (CM)                             46.017
 TOTAL INFILTRATION (CM)                              45.467
 TOTAL EVAPOTRANSPIRATION (CM)                        25.356
 TOTAL SURFACE RUNOFF (CM)                             0.546
 TOTAL GRW RUNOFF (CM)                                20.110
 TOTAL MOISTURE RETENTION (CM)                         0.000
 TOTAL YIELD (CM)                                     20.661
0             --- POLLUTANT MASS DISTRIBUTION IN COLUMN (UG) --- NOTE: IF COMPONENT I
S ZERO EACH MONTH, IT IS NOT PRINTED
              ---------------------------------------------------------------------
-----------------------------------------
 FOR FINAL MASS IN SOIL MOI., ADS. ON SOIL, SOIL AIR, IMMOBIL CEC, COMPLEXED, AN
D PURE PHASE FOR EACH SUBLAYER, SEE ABOVE (MONTH SEP)
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        UPPER SOIL ZONE:

             SUBLAYER  1

                  TOTAL VOLATILIZED                        4.285E+01
                  TOTAL DEGRADED (MOISTURE)                2.411E+01
                  TOTAL DEGRADED (SOIL)                    2.634E+03

             SUBLAYER  2

             SUBLAYER  3
```

SOIL ZONE 2:

SUBLAYER 1

SOIL ZONE 3:

SUBLAYER 1

LOWER SOIL ZONE:

SUBLAYER 1

1 --- AVERAGE POLLUTANT CONCENTRATIONS --- NOTE: ONLY NON-ZERO VALUES ARE PRINTED ---

UPPER SOIL ZONE:

SUBLAYER 1

SOIL MOISTURE (UG/ML)	1.140E-07
ADSORBED SOIL (UG/G)	9.123E-07
SOIL AIR (UG/ML)	1.939E-07

SOIL ZONE 2:

SOIL ZONE 3:

LOWER SOIL ZONE:

MAX. POLL. DEPTH (M)	2.610E-01

1

YEAR = 8 MONTHLY RESULTS (OUTPUT)

--- HYDROLOGIC CYCLE COMPONENTS ---

	OCT	NOV	DEC	JAN	FEB	MAR	APR
MAY	JUN	JUL	AUG	SEP			
MOIS. IN L1 (%)	7.605	9.837	12.333	13.245	11.829	10.293	8.9
9% 7.701 7.921	6.885	6.573	6.549				
MOIS. BELOW L1 (%)	7.605	9.837	12.333	13.245	11.829	10.293	8.9
9% 7.701 7.921	6.885	6.573	6.549				
PRECIPITATION (CM)	5.720	5.730	8.204	10.342	7.127	6.082	3.6

EVAPOTRANS. (CM)	1.910	3.016	1.412	1.841	3.983	5.417	3.8	
46 1.700 0.634	0.411	0.463	0.722					
MOIS. PERTN (CM)	0.684	1.445	1.616	0.591	-0.917	-0.994	-0.8	
39 -0.039 -0.311	-0.218	-0.202	-0.016					
SUR. RUNOFF (CM)	0.113	0.050	0.076	0.127	0.051	0.026	0.0	
15 0.000 0.030	0.013	0.011	0.033					
GRW. RUNOFF (CM)	0.064	1.219	5.100	7.783	4.005	1.633	0.6	
12 0.084 -0.025	-0.087	-0.137	-0.141					
YIELD (CM)	0.177	1.269	5.176	7.910	4.056	1.659	0.6	
27 0.089 0.005	-0.074	-0.126	-0.108					
PAU/MPA (GZU)	0.996	0.997	0.993	0.998	1.006	1.000	1.0	
04 0.990 1.059	1.087	1.123	0.997					
PA/MPA (GZ)	0.996	0.997	0.993	0.998	1.006	1.000	1.0	
04 0.990 1.059	1.087	1.123	0.997					

1
G) --

--- POLLUTANT MASS INPUT TO COLUMN (U

	MAY	OCT JUN	NOV JUL	DEC AUG	JAN SEP	FEB	MAR	APR
PRECIP.	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+	
00 0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00				
LOAD UPPER	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+	
00 0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00				
LOAD ZONE 2	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+	
00 0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00				
LOAD ZONE 3	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+	
00 0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00				
LOAD LOWER	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+	
00 0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00				
TOTAL INPUT	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+	
00 0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00				

O --- POLLUTANT MASS DISTRIBUTION IN COLUMN (UG) --- NOTE: IF COMPONENT I
S ZERO EACH MONTH, IT IS NOT PRINTED

UPPER SOIL ZONE:

SUBLAYER 1

VOLATILIZED	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+
00 0.000E+00	0.000E+00	0.000E+00	0.000E+00	1.426E+00	1.118E+00		
DEGRAD MOIS	8.564E-02	8.084E-02	7.305E-02	5.616E-02	3.955E-02	2.382E-02	1.946E-
02 1.657E-02	1.554E-02	1.492E-02	1.036E-02	8.054E-03			
DEGRAD SOIL	1.216E+01	8.875E+00	6.397E+00	4.579E+00	3.246E+00	2.499E+00	2.335E+
00 2.324E+00	2.324E+00	2.324E+00	1.702E+00	1.328E+00			
IN SOIL MOI	2.460E-01	2.319E-01	2.060E-01	1.588E-01	9.698E-02	7.911E-02	6.454E-
02 5.525E-02	5.180E-02	4.939E-02	2.695E-02	2.685E-02			
ADS ON SOIL	3.464E+01	2.546E+01	1.804E+01	1.295E+01	8.854E+00	8.301E+00	7.747E+
00 7.747E+00	7.747E+00	7.747E+00	4.427E+00	4.427E+00			
IN SOIL AIR	8.820E-01	5.671E-01	3.344E-01	2.235E-01	1.724E-01	1.816E-01	1.824E-
01 1.967E-01	2.009E-01	2.026E-01	1.179E-01	1.181E-01			

SUBLAYER 2

SUBLAYER 4

SOIL ZONE 2:

SUBLAYER 1

SOIL ZONE 3:

SUBLAYER 1

LOWER SOIL ZONE:

SUBLAYER 1

-- POLLUTANT CONCENTRATIONS (UG/ML) OR (UG/G) --- NOTE: IF CONCENTRATIONS ARE ZERO FOR EACH MONTH, THEY ARE NOT PRINTED ---

UPPER SOIL ZONE:

SUBLAYER 1

MOISTURE	6.760E-09	4.600E-09	3.260E-09	2.340E-09	1.600E-09	1.500E-09	1.400E-09	1.400E-09	1.400E-09	1.400E-09	8.000E-10	8.000E-10
%SOLUBILITY	3.130E-06	2.300E-06	1.630E-06	1.170E-06	8.000E-07	7.500E-07	7.000E-07	7.000E-07	7.000E-07	7.000E-07	4.000E-07	4.000E-07
ADSORBED	5.008E-08	3.680E-08	2.608E-08	1.872E-08	1.280E-08	1.200E-08	1.120E-08	1.120E-08	1.120E-08	1.120E-08	6.400E-09	6.400E-09
SOIL AIR	1.050E-08	7.814E-09	5.595E-09	4.057E-09	2.764E-09	2.586E-09	2.373E-09	2.355E-09	2.337E-09	2.311E-09	1.320E-09	1.321E-09

SOIL ZONE 2:

SOIL ZONE 3:

LOWER SOIL ZONE:

POL DEP CM	2.630E+01	2.675E+01	2.744E+01	2.832E+01	2.891E+01	2.939E+01	2.968E+01	2.975E+01	2.977E+01	2.978E+01	2.979E+01	2.983E+01

-- TOTAL INPUTS (UG) --

UPPER SOIL ZONE	0.000E+00
SOIL ZONE 2	0.000E+00
SOIL ZONE 3	0.000E+00
LOWER SOIL ZONE	0.000E+00

--- HYDROLOGIC CYCLE COMPONENTS ---

AVERAGE SOIL MOISTURE BELOW ZONE 1 (%) 9.089
TOTAL PRECIPITATION (CM) 44.017
TOTAL IRRIGATION (CM) 45.467
TOTAL EVAPOTRANSPIRATION (CM) 25.356
TOTAL SURFACE RUNOFF (CM) 0.546
TOTAL GRN RUNOFF (CM) 20.110
TOTAL MOISTURE RETENTION (CM) 0.000
TOTAL YIELD (CM) 20.661

0 --- POLLUTANT MASS DISTRIBUTION IN COLUMN (UG) --- NOTE: IF COMPONENT I
S ZERO FOR MONTH, IT IS NOT PRINTED

FOR FINAL MASS IN SOIL NOT., ADS. ON SOIL., SOIL AIR, IMMOBIL CEC, COMPLEXED, AN
D PURE PHASE FOR EACH SUBLAYER, SEE ABOVE (MONTH SEP)

UPPER SOIL ZONE:

SUBLAYER 1

TOTAL VOLATILIZED 2.544E+00
TOTAL DEGRADED (MOISTURE) 4.399E-01
TOTAL DEGRADED (SOIL) 5.010E+01

SUBLAYER 2

SUBLAYER 3

SUBLAYER 4

SOIL ZONE 2:

SUBLAYER 1

SOIL ZONE 3:

SUBLAYER 1

LOWER SOIL ZONE:

SUBLAYER 1

1 --- AVERAGE POLLUTANT CONCENTRATIONS --- NOTE: ONLY NON
-ZERO VALUES ARE PRINTED ---

UPPER SOIL ZONE:

SUBLAYER 1

SOIL MOISTURE (UG/ML) 2.230E-09
ADSORBED SOIL (UG/G) 1.784E-08
SOIL AIR (UG/ML) 3.778E-09

SOIL ZONE 2:

LOWER SOIL ZONE:

MAX. POLL. DEPTH (M) 2.983E-01

YEAR - 9 MONTHLY RESULTS (OUTPUT)

--- HYDROLOGIC CYCLE COMPONENTS ---

	MAY	JUN	OCT JUL	NOV AUG	DEC SEP	JAN	FEB	MAR	APR
MOIS. IN L1 (%)			7.605	9.837	12.333	13.245	11.829	10.293	8.9
97	7.701	7.221	6.885	6.573	6.549				
MOIS. BELOW L1 (%)			7.605	9.837	12.333	13.245	11.829	10.293	8.9
97	7.701	7.221	6.885	6.573	6.549				
PRECIPATION (CM)			2.770	5.730	8.204	10.342	7.123	6.082	3.6
34	0.951	0.328	0.120	0.135	0.598				
NET INFILT. (CM)			2.657	5.680	8.128	10.215	7.072	6.056	3.6
19	0.946	0.298	0.106	0.124	0.566				
EVAPOTRANS. (CM)			1.910	3.016	1.412	1.841	3.983	5.417	3.8
46	1.700	0.634	0.411	0.463	0.722				
MOIS. RETEN (CM)			0.684	1.445	1.616	0.591	-0.917	-0.994	-0.8
39	-0.839	-0.311	-0.218	-0.202	-0.016				
SUR. RUNOFF (CM)			0.113	0.050	0.076	0.127	0.051	0.026	0.0
15	0.000	0.030	0.013	0.011	0.033				
GRW. RUNOFF (CM)			0.064	1.219	5.100	7.783	4.005	1.633	0.6
12	0.094	-0.025	-0.087	-0.137	-0.141				
YIELD (CM)			0.177	1.269	5.176	7.910	4.056	1.659	0.6
27	0.089	0.005	-0.074	-0.126	-0.108				
PAU/MPA (GZU)			0.996	0.997	0.993	0.998	1.006	1.000	1.0
04	0.990	1.059	1.087	1.123	0.997				
PA/MPA (GZ)			0.996	0.997	0.993	0.998	1.006	1.000	1.0
04	0.990	1.059	1.087	1.123	0.997				

1 --- POLLUTANT MASS INPUT TO COLUMN (U
G) ---

	MAY	OCT JUN	NOV JUL	DEC AUG	JAN SEP	FEB	MAR	APR
PRECIP.	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+
00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00			
LOAD UPPER	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+
00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00			
LOAD ZONE 2	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+

00 0.000E+00 0.000E+00 0.000E+00 0.000E+00 0.000E+00 0.000E+00 0.000E+

LOW LOWER 0.000E+00 0.000E+00 0.000E+00 0.000E+00 0.000E+00 0.000E+00 0.000F+
00 0.000F+00 0.000E+00 0.000E+00 0.000E+00 0.000E+00 0.000E+00

TOTAL INPUT 0.000E+00 0.000E+00 0.000E+00 0.000E+00 0.000E+00 0.000E+00 0.000E+
00 0.000E+00 0.000E+00 0.000F+00 0.000E+00 0.000E+00

0 --- POLLUTANT MASS DISTRIBUTION IN COLUMN (UG) --- NOTE: IF COMPONENT I
S ZERO EACH MONTH, IT IS NOT PRINTED

UPPER SOIL ZONE:

SUBLAYER 1

VOLATILIZED 0.000E+00 0.000E+00 0.000E+00 0.000E+00 0.000E+00 0.000E+00 0.000E+
00 0.000E+00 0.000F+00 0.000E+00 1.113E+00 1.118E+00
DEGRAD MOIS 9.353E-03 1.210E-02 1.517E-02 1.629E-02 1.455E-02 1.266E-02 1.106E-
02 9.471E-03 8.881E-03 8.467E-03 8.084E-03 8.054E-03
DEGRAD SOIL 1.328E+00 1.328E+00 1.328E+00 1.328E+00 1.328E+00 1.328E+00 1.328E+
00 1.328E+00 1.328E+00 1.328E+00 1.328E+00 1.328E+00
IN SOIL MOI 3.113E-02 4.033E-02 5.056E-02 5.430E-02 4.849E-02 4.219E-02 3.688E-
02 3.157E-02 2.960E-02 2.822E-02 2.695E-02 2.685E-02
ADS ON SOIL 4.427E+00 4.427E+00 4.427E+00 4.427E+00 4.427E+00 4.427E+00 4.427E+
00 4.427E+00 4.427E+00 4.427E+00 4.427E+00 4.427E+00
IN SOIL AIR 1.127E-01 9.862E-02 8.207E-02 7.643E-02 8.619E-02 9.685E-02 1.042E-
01 1.124E-01 1.148E-01 1.158E-01 1.179E-01 1.181E-01

SUBLAYER 2

SUBLAYER 3

SUBLAYER 4

SOIL ZONE 2:

SUBLAYER 1

SOIL ZONE 3:

SUBLAYER 1

LOWER SOIL ZONE:

SUBLAYER 1

0 POLLUTANT CONCENTRATIONS (UG/ML) OR (UG/G) --- NOTE: IF CONCENTRATIONS A
RE ZERO FOR EACH MONTH, THEY ARE NOT PRINTED ---

UPPER SOIL ZONE:

SUBLAYER 1

10 6.000E-10 6.000E-10 6.000E-10 6.000E-10
SOLUBILITY 4.000E-07 4.000E-07 4.000E-07 4.000E-07 4.000E-07 4.000E-07 4.000E-07 4.000E-07 4.000E-07 4.000E-07 4.000E-07 4.000E-07
ADSORBED 6.400E-09 6.400E-09 6.400E-09 6.400E-09 6.400E-09 6.400E-09 6.400E-09 6.400E-09 6.400E-09 6.400E-09 6.400E-09 6.400E-09
SOIL AIR 1.342E-09 1.359E-09 1.373E-09 1.387E-09 1.382E-09 1.379E-09 1.356E-09 1.344E-09 1.335E-09 1.320E-09 1.320E-09 1.321E-09

SOIL ZONE 2:

SOIL ZONE 3:

LOWER SOIL ZONE:

POL DEP CM 3.003E+01 3.047E+01 3.116E+01 3.205E+01 3.264E+01 3.312E+01 3.340E+01 3.348E+01 3.350E+01 3.350E+01 3.351E+01 3.355E+01

--- TOTAL INPUTS (UG) ---

UPPER SOIL ZONE	0.000E+00
SOIL ZONE 2	0.000E+00
SOIL ZONE 3	0.000E+00
LOWER SOIL ZONE	0.000E+00

--- HYDROLOGIC CYCLE COMPONENTS ---

AVERAGE SOIL MOISTURE ZONE 1 (%)	9.089
AVERAGE SOIL MOISTURE BELOW ZONE 1 (%)	9.089
TOTAL PRECIPITATION (CM)	46.017
TOTAL INFILTRATION (CM)	45.467
TOTAL EVAPOTRANSPIRATION (CM)	25.356
TOTAL SURFACE RUNOFF (CM)	0.546
TOTAL GRW RUNOFF (CM)	20.110
TOTAL MOISTURE RETENTION (CM)	0.000
TOTAL YIELD (CM)	20.661

0 --- POLLUTANT MASS DISTRIBUTION IN COLUMN (UG) --- NOTE: IF COMPONENT IS ZERO EACH MONTH, IT IS NOT PRINTED

FOR FINAL MASS IN SOIL MOI., ADS. ON SOIL, SOIL AIR, IMMOBIL CEC, COMPLEXED, AND PURE PHASE FOR EACH SUBLAYER, SEE ABOVE (MONTH SEP)

UPPER SOIL ZONE:

SUBLAYER 1

TOTAL VOLATILIZED	2.231E+00
TOTAL DEGRADED (MOISTURE)	1.341E-01
TOTAL DEGRADED (SOIL)	1.594E+01

SUBLAYER 2

SUBLAYER 3

SOIL ZONE 2:

SUBLAYER 1

SOIL ZONE 3:

SUBLAYER 1

LOWER SOIL ZONE:

SUBLAYER 1

--- AVERAGE POLLUTANT CONCENTRATIONS --- NOTE: ONLY NON-ZERO VALUES ARE PRINTED ---

UPPER SOIL ZONE:

SUBLAYER 1

SOIL MOISTURE (UG/ML)	8.000E-10
ADSORBED SOIL (UG/G)	6.400E-09
SOIL AIR (UG/ML)	1.352E-09

SOIL ZONE 2:

SOIL ZONE 3:

LOWER SOIL ZONE:

MAX. POLL. DEPTH (M)	3.355E-01

YEAR -10 MONTHLY RESULTS (OUTPUT)

--- HYDROLOGIC CYCLE COMPONENTS ---

	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	JAN	FEB	MAR	APR
MOIS. IN U.Z. (%)	7.701	7.221	6.805	6.573	6.549	7.605	9.837	12.333	13.245	11.829	10.293	8.9
MOIS. BELOW U.Z. (%)	7.701	7.221	6.805	6.573	6.549	7.605	9.837	12.333	13.245	11.829	10.293	8.9
PRECIPITATION (CM)						2.770	5.230	8.204	10.342	7.123	6.082	3.6

```
19     0.246      0.298      0.306      [illegible]      0.566
 EVAPOTRANS. (CM)        1.910      2.016      1.412      1.841      3.983      5.417      3.8
46     1.700      0.604      0.411      0.465      0.722
 MOIS. RETEN (CM)        0.684      1.445      1.616      0.591     -0.917     -0.994     -0.8
39    -0.039     -0.311     -0.218     -0.202     -0.016
 SUR. RUNOFF (CM)        0.113      0.060      0.076      0.127      0.051      0.026      0.0
15     0.000      0.030      0.013      0.011      0.033
 GRW. RUNOFF (CM)        0.064      1.219      5.100      7.083      4.005      1.633      0.6
12     0.084     -0.025     -0.087     -0.137     -0.141
 YIELD (CM)              0.177      1.269      5.176      7.210      4.056      1.659      0.6
27     0.089      0.005     -0.074     -0.126     -0.108

 PAU/MPA (GZU)           0.996      0.997      0.993      0.998      1.006      1.000      1.0
04     0.990      1.059      1.087      1.123      0.997
 PA/MPA (GZ)             0.996      0.997      0.993      0.998      1.006      1.000      1.0
04     0.990      1.059      1.087      1.123      0.997

1                                                     --- POLLUTANT MASS INPUT TO COLUMN (U
G) ---
                                                     ----------------------------------------
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                 OCT          NOV          DEC          JAN          FEB          MAR          APR
      MAY        JUN          JUL          AUG          SEP

 PRECIP.      0.000E+00 0.000E+00 0.000E+00 0.000E+00 0.000E+00 0.000E+00 0.000E+
00 0.000E+00 0.000E+00 0.000E+00 0.000E+00 0.000E+00
 LOAD UPPER   0.000E+00 0.000E+00 0.000E+00 0.000E+00 0.000E+00 0.000E+00 0.000E+
00 0.000E+00 0.000E+00 0.000E+00 0.000E+00 0.000E+00
 LOAD ZONE 2  0.000E+00 0.000E+00 0.000E+00 0.000E+00 0.000E+00 0.000E+00 0.000E+
00 0.000E+00 0.000E+00 0.000E+00 0.000E+00 0.000E+00
 LOAD ZONE 3  0.000E+00 0.000E+00 0.000E+00 0.000E+00 0.000E+00 0.000E+00 0.000E+
00 0.000E+00 0.000E+00 0.000E+00 0.000E+00 0.000E+00
 LOAD LOWER   0.000E+00 0.000E+00 0.000E+00 0.000E+00 0.000E+00 0.000E+00 0.000E+
00 0.000E+00 0.000E+00 0.000E+00 0.000E+00 0.000E+00

 TOTAL INPUT  0.000E+00 0.000E+00 0.000E+00 0.000E+00 0.000E+00 0.000E+00 0.000E+
00 0.000E+00 0.000E+00 0.000E+00 0.000E+00 0.000E+00
0             --- POLLUTANT MASS DISTRIBUTION IN COLUMN (UG) --- NOTE: IF COMPONENT I
S ZERO EACH MONTH, IT IS NOT PRINTED
              ----------------------------------------------------------------------
----------------------------------


       UPPER SOIL ZONE:

           SUBLAYER  1

 VOLATILIZED  0.000E+00 0.000E+00 0.000E+00 0.000E+00 0.000E+00 0.000E+00 0.000E+
00 0.000E+00 0.000E+00 0.000E+00 1.113E+00 1.118E+00
 DEGRAD MOIS  9.353E-03 1.210E-02 1.517E-02 1.629E-02 1.455E-02 1.266E-02 1.104E-
02 9.471E-03 8.881E-03 8.467E-03 8.084E-03 8.054E-03
 DEGRAD SOIL  1.328E+00 1.328E+00 1.328E+00 1.328E+00 1.328E+00 1.328E+00 1.328E+
00 1.328E+00 1.328E+00 1.328E+00 1.328E+00 1.328E+00
 IN SOIL MOI  3.118E-02 4.033E-02 5.056E-02 5.430E-02 4.849E-02 4.219E-02 3.688E-
02 3.154E-02 2.960E-02 2.822E-02 2.695E-02 2.685E-02
 ADS ON SOIL  4.427E+00 4.427E+00 4.427E+00 4.427E+00 4.427E+00 4.427E+00 4.427E+
00 4.427E+00 4.427E+00 4.427E+00 4.427E+00 4.427E+00
 IN SOIL AIR  1.127E-01 9.862E-02 8.207E-02 7.643E-02 8.619E-02 9.685E-02 1.042E-
01 1.124E-01 1.148E-01 1.158E-01 1.179E-01 1.181E-01

           SUBLAYER  2
```

SUBLAYER 4

SOIL ZONE 2:

SUBLAYER 1

SOIL ZONE 3:

SUBLAYER 1

LOWER SOIL ZONE:

SUBLAYER 1

--- POLLUTANT CONCENTRATIONS (UG/ML) OR (UG/G) --- NOTE: IF CONCENTRATIONS ARE ZERO FOR EACH MONTH, THEY ARE NOT PRINTED ---

UPPER SOIL ZONE:

SUBLAYER 1

MOISTURE	8.000E-10	8.000E-10	8.000E-10	8.000E-10	8.000E-10	8.000E-10	8.000E-10	8.000E-10	8.000E-10	8.000E-10	8.000E-10	8.000E-10
%SOLUBILITY	4.000E-07	4.000E-07	4.000E-07	4.000E-07	4.000E-07	4.000E-07	4.000E-07	4.000E-07	4.000E-07	4.000E-07	4.000E-07	4.000E-07
ADSORBED	6.400E-09	6.400E-09	6.400E-09	6.400E-09	6.400E-09	6.400E-09	6.400E-09	6.400E-09	6.400E-09	6.400E-09	6.400E-09	6.400E-09
SOIL AIR	1.342E-09	1.359E-09	1.373E-09	1.387E-09	1.382E-09	1.379E-09	1.356E-09	1.344E-09	1.335E-09	1.320E-09	1.320E-09	1.321E-09

SOIL ZONE 2:

SOIL ZONE 3:

LOWER SOIL ZONE:

POT DEP LM	3.375E+01	3.420E+01	3.489E+01	3.577E+01	3.637E+01	3.685E+01	3.713E+01	3.720E+01	3.722E+01	3.723E+01	3.724E+01	3.728E+01

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--- TOTAL INPUTS (UG) ---

UPPER SOIL ZONE	0.000E+00
SOIL ZONE 2	0.000E+00
SOIL ZONE 3	0.000E+00
LOWER SOIL ZONE	0.000E+00

--- HYDROLOGIC CYCLE COMPONENTS ---

AVERAGE SOIL MOISTURE BELOW ZONE 1 (%) 9.089
TOTAL PRECIPITATION (CM) 46.017
TOTAL INFILTRATION (CM) 45.467
TOTAL EVAPOTRANSPIRATION (CM) 25.356
TOTAL SURFACE RUNOFF (CM) 0.546
TOTAL GRW RUNOFF (CM) 20.110
TOTAL MOISTURE RETENTION (CM) 0.000
TOTAL YIELD (CM) 20.661

0 --- POLLUTANT MASS DISTRIBUTION IN COLUMN (UG) --- NOTE: IF COMPONENT I S ZERO EACH MONTH, IT IS NOT PRINTED

FOR FINAL MASS IN SOIL MOI., ADS. ON SOIL, SOIL AIR, IMMOBIL CEC, COMPLEXED, AN D PURE PHASE FOR EACH SUBLAYER, SEE ABOVE (MONTH SEP)

UPPER SOIL ZONE:

SUBLAYER 1

TOTAL VOLATILIZED 2.231E+00
TOTAL DEGRADED (MOISTURE) 1.341E-01
TOTAL DEGRADED (SOIL) 1.594E+01

SUBLAYER 2:

SUBLAYER 3

SUBLAYER 4

SOIL ZONE 2:

SUBLAYER 1

SOIL ZONE 3:

SUBLAYER 1

LOWER SOIL ZONE:

SUBLAYER 1

1 --- AVERAGE POLLUTANT CONCENTRATIONS --- NOTE: ONLY NON -ZERO VALUES ARE PRINTED ---

UPPER SOIL ZONE:

SUBLAYER 1

SOIL MOISTURE (UG/ML) 0.000E-10
ADSORBED SOIL (UG/G) 6.400E-09
SOIL AIR (UG/ML) 1.352E-09

SOIL ZONE 2:

LOWER SOIL ZONE =

MAX. POLL. DEPTH (M) 3.728E+01

1

YEAR =11 MONTHLY RESULTS (OUTPUT)

--- HYDROLOGIC CYCLE COMPONENTS ---

	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	JAN	FEB	MAR	APR
MOIS. IN L1 (%)	7.701	7.221	6.885	6.573	6.549	7.605	9.837	12.333	13.245	11.829	10.293	8.97
MOIS. BELOW L1 (%)	7.701	7.221	6.885	6.573	6.549	7.605	9.837	12.333	13.245	11.829	10.293	8.97
PRECIPATION (CM)	0.951	0.328	0.120	0.135	0.598	2.770	5.730	8.204	10.342	7.123	6.082	3.634
NET INFILT. (CM)	0.946	0.298	0.106	0.124	0.566	2.657	5.680	8.128	10.215	7.072	6.056	3.619
EVAPOTRANS. (CM)	1.700	0.634	0.411	0.463	0.722	1.910	3.016	1.412	1.841	3.983	5.417	3.846
MOIS. RETEN (CM)	-0.839	-0.311	-0.218	-0.202	-0.016	0.684	1.445	1.616	0.591	-0.917	-0.994	-0.839
SUR. RUNOFF (CM)	0.000	0.030	0.013	0.011	0.033	0.113	0.050	0.076	0.127	0.051	0.026	0.015
GRW. RUNOFF (CM)	0.084	-0.025	-0.087	-0.137	-0.141	0.064	1.219	5.100	7.783	4.005	1.633	0.612
YIELD (CM)	0.089	0.005	-0.074	-0.126	-0.108	0.177	1.269	5.176	7.910	4.056	1.659	0.627
PAV/PPA (GZU)	0.990	1.059	1.087	1.123	0.997	0.996	0.997	0.993	0.998	1.006	1.000	1.004
PA/PPA (GZ)	0.990	1.059	1.087	1.123	0.997	0.996	0.997	0.993	0.998	1.006	1.000	1.004

1 --- POLLUTANT MASS INPUT TO COLUMN (U
0)

	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	JAN	FEB	MAR	APR
PRECIP.	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
LOAD UPPER	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
LOAD SOIL Z	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00

```
00 0.000E+00 0.000E+00 0.000E+00 0.000E+00 0.000E+00
 FOOD LOWER  0.000E+00 0.000E+00 0.000E+00 0.000E+00 0.000E+00 0.000E+00 0.000E+
00 0.000E+00 0.000E+00 0.000E+00 0.000E+00 0.000E+00

 TOTAL  INPUT 0.000E+00 0.000E+00 0.000E+00 0.000E+00 0.000E+00 0.000E+00 0.000E+
00 0.000E+00 0.000E+00 0.000E+00 0.000E+00 0.000E+00
0            --- POLLUTANT MASS DISTRIBUTION IN COLUMN (UG) --- NOTE: IF COMPONENT I
S ZERO EACH MONTH, IT IS NOT PRINTED


       UPPER SOIL ZONE:

             SUBLAYER  1

 VOLATILIZED 0.000E+00 0.000E+00 0.000E+00 0.000E+00 0.000E+00 0.000E+00 0.000E+
00 0.000E+00 0.000E+00 0.000E+00 1.113E+00 1.118E+00
 DEGRAD MOIS 9.553E-03 1.210E-02 1.517E-02 1.629E-02 1.455E-02 1.266E-02 1.106E-
02 9.471E-03 8.891E-03 8.467E-03 8.084E-03 8.054E-03
 DEGRAD SOIL 1.328E+00 1.328E+00 1.328E+00 1.328E+00 1.328E+00 1.328E+00 1.328E+
00 1.328E+00 1.328E+00 1.328E+00 1.328E+00 1.328E+00
 IN SOIL MOI 3.118E-02 4.033E-02 5.056E-02 5.430E-02 4.849E-02 4.219E-02 3.688E-
02 3.157E-02 2.960E-02 2.822E-02 2.695E-02 2.685E-02
 ADS ON SOIL 4.427E+00 4.427E+00 4.427E+00 4.427E+00 4.427E+00 4.427E+00 4.427E+
00 4.427E+00 4.427E+00 4.427E+00 4.427E+00 4.427E+00
 IN SOIL AIR 1.122E-01 9.862E-02 8.207E-02 7.643E-02 8.619E-02 9.685E-02 1.042E-
01 1.124E-01 1.148E-01 1.158E-01 1.179E-01 1.181E-01

             SUBLAYER  2


             SUBLAYER  3


             SUBLAYER  4


       SOIL ZONE 2:

             SUBLAYER  1


       SOIL ZONE 3:

             SUBLAYER  1


       LOWER SOIL ZONE:

             SUBLAYER  1



       -- POLLUTANT CONCENTRATIONS (UG/ML) OR (UG/G) --- NOTE: IF CONCENTRATIONS A
RE ZERO FOR EACH MONTH, THEY ARE NOT PRINTED ---


       UPPER SOIL ZONE:

             SUBLAYER  1
```

TO 8.000E-10 8.000E-10 8.000E-10 8.000E-10 8.000E-10 8.000E-10 8.000E-10
SOLUBILITY 4.000E-07 4.000E-07 4.000E-07 4.000E-07 4.000E-07 4.000E-07 4.000E-07 4.000E-07 4.000E-07 4.000E-07 4.000E-07 4.000E-07
ADSORBED 6.400E-09 6.400E-09 6.400E-09 6.400E-09 6.400E-09 6.400E-09 6.400E-09 6.400E-09 6.400E-09 6.400E-09 6.400E-09 6.400E-09
SOIL AIR 1.342E-09 1.359E-09 1.378E-09 1.387E-09 1.382E-09 1.379E-09 1.356E-09 1.344E-09 1.355E-09 1.320E-09 1.320E-09 1.321E-09

SOIL ZONE 2:

SOIL ZONE 3:

LOWER SOIL ZONE:

POL DEP CM 3.748E+01 3.793E+01 3.862E+01 3.950E+01 4.009E+01 4.057E+01 4.086E+01 4.093E+01 4.095E+01 4.096E+01 4.097E+01 4.101E+01

1 YEAR - 11 ANNUAL SUMMARY REPORT

--- TOTAL INPUTS (UG) ---

UPPER SOIL ZONE	0.000E+00
SOIL ZONE 2	0.000E+00
SOIL ZONE 3	0.000E+00
LOWER SOIL ZONE	0.000E+00

--- HYDROLOGIC CYCLE COMPONENTS ---

AVERAGE SOIL MOISTURE ZONE 1 (%)	9.089
AVERAGE SOIL MOISTURE BELOW ZONE 1 (%)	9.089
TOTAL PRECIPITATION (CM)	46.017
TOTAL INFILTRATION (CM)	45.467
TOTAL EVAPOTRANSPIRATION (CM)	25.356
TOTAL SURFACE RUNOFF (CM)	0.546
TOTAL GRW RUNOFF (CM)	20.110
TOTAL MOISTURE RETENTION (CM)	0.000
TOTAL YIELD (CM)	20.661

0 --- POLLUTANT MASS DISTRIBUTION IN COLUMN (UG) --- NOTE: IF COMPONENT IS ZERO EACH MONTH, IT IS NOT PRINTED

FOR FINAL MASS IN SOIL MOI., ADS. ON SOIL, SOIL AIR, IMMOBIL CEC, COMPLEXED, AND PURE PHASE FOR EACH SUBLAYER, SEE ABOVE (MONTH SEP)

UPPER SOIL ZONE:

SUBLAYER 1

TOTAL VOLATILIZED	2.231E+00
TOTAL DEGRADED (MOISTURE)	1.341E-01
TOTAL DEGRADED (SOIL)	1.394E+01

SUBLAYER 2

SUBLAYER 3

SOIL ZONE 2:

SUBLAYER 1

SOIL ZONE 3:

SUBLAYER 1

LOWER SOIL ZONE:

SUBLAYER 1

--- AVERAGE POLLUTANT CONCENTRATIONS --- NOTE: ONLY NON-ZERO VALUES ARE PRINTED ---

UPPER SOIL ZONE:

SUBLAYER 1

SOIL MOISTURE (UG/ML)	8.000E-10
ADSORBED SOIL (UG/G)	6.400E-09
SOIL AIR (UG/ML)	1.352E-09

SOIL ZONE 2:

SOIL ZONE 3:

LOWER SOIL ZONE:

MAX. POLL. DEPTH (M)	4.101E-01

YEAR --12 MONTHLY RESULTS (OUTPUT)

--- HYDROLOGIC CYCLE COMPONENTS ---

	OCT	NOV	DEC	JAN	FEB	MAR	APR
MAY JUN	JUL	AUG	SEP				
MOIS. IN L1 (%)	7.605	9.837	12.333	13.245	11.829	10.293	8.9
97 7.701 7.231	6.885	6.573	6.549				
MOIS. BELOW L1 (%)	7.605	9.837	12.333	13.245	11.829	10.293	8.9
97 7.701 7.231	6.885	6.573	6.549				
PRECIPITATION (CM)	3.740	5.230	8.204	10.342	7.125	6.082	5.6

19 0.936	0.290	0.106	0.124	0.566					
EVAPOTRANS. (CM)		1.210	2.016	1.412	1.041	3.903	5.417	3.6	
42 1.700	0.654	0.411	0.465	0.722					
MOIS. RETTN (CM)		0.684	1.445	1.616	0.591	-0.917	-0.994	-0.8	
39 -0.839	-0.311	-0.213	-0.202	-0.016					
SUR. RUNOFF (CM)		0.113	0.050	0.076	0.127	0.051	0.026	0.0	
15 0.000	0.030	0.013	0.011	0.035					
GRD. RUNOFF (CM)		0.064	1.219	5.100	7.783	4.005	1.633	0.6	
12 0.084	-0.025	-0.067	-0.137	-0.141					
YIELD (CM)		0.177	1.269	5.176	7.910	4.056	1.659	0.6	
27 0.089	0.005	-0.074	-0.126	-0.108					
PAU/MFA (GZU)		0.996	0.997	0.993	0.998	1.006	1.000	1.0	
04 0.990	1.059	1.087	1.123	0.997					
PA/MFA (GZ)		0.996	0.997	0.993	0.998	1.006	1.000	1.0	
04 0.990	1.059	1.087	1.123	0.997					

1 -- POLLUTANT MASS INPUT TO COLUMN (U
G) -

	OCT	NOV	DEC	JAN	FEB	MAR	APR
MAY	JUN	JUL	AUG	SEP			
PRECIP.	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+
00 0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00			
LOAD UPLK	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+
00 0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00			
LOAD ZONE 2	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+
00 0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00			
LOAD ZONE 3	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+
00 0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00			
LOAD LOWER	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+
00 0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00			
TOTAL INPUT	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+
00 0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00			

0 -- POLLUTANT MASS DISTRIBUTION IN COLUMN (UG) --- NOTE: IF COMPONENT I
S ZERO EACH MONTH, IT IS NOT PRINTED

UPPER SOIL ZONE:

SUBLAYER 1

VOLATILIZD 0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+	
00 0.000E+00	0.000E+00	0.000E+00	1.113E+00	1.118E+00			
DEGRAD MOIS 9.353E-03	1.210E-02	1.517E-02	1.629E-02	1.455E-02	1.266E-02	1.106E-	
02 9.471E-03	8.981E-03	8.467E-03	8.084E-03	8.054E-03			
DEGRAD SOIL 1.328E+00	1.328E+00	1.328E+00	1.328E+00	1.328E+00	1.328E+00	1.328E+	
00 1.328E+00	1.328E+00	1.328E+00	1.328E+00	1.328E+00			
IN SOIL MOI 3.118E-02	4.033E-02	5.056E-02	5.430E-02	4.849E-02	4.219E-02	3.688E-	
02 3.157E-02	2.960E-02	2.822E-02	2.695E-02	2.685E-02			
ADS ON SOIL 4.427E+00	4.427E+00	4.427E+00	4.427E+00	4.427E+00	4.427E+00	4.427E+	
00 4.427E+00	4.427E+00	4.427E+00	4.427E+00	4.427E+00			
IN SOIL OTR 1.122E-01	9.862E-02	8.207E-02	7.643E-02	8.619E-02	9.685E-02	1.042E-	
01 1.124E-01	1.148E-01	1.158E-01	1.179E-01	1.181E-01			

SUBLAYER 2

SUBLAYER 4

SOIL ZONE 2:

SUBLAYER 1

SOIL ZONE 3:

SUBLAYER 1

LOWER SOIL ZONE:

SUBLAYER 1

- POLLUTANT CONCENTRATIONS (UG/ML) OR (UG/G) --- NOTE: IF CONCENTRATIONS A
RE ZERO FOR EACH MONTH, THEY ARE NOT PRINTED ---

UPPER SOIL ZONE:

SUBLAYER 1

MOISTURE	8.000E-10	8.000E-10	8.000E-10	8.000E-10	8.000E-10	8.000E-10	8.000E-10	8.000E-10	8.000E-10	8.000E-10	8.000E-10	8.000E-10
%SOLUBILITY	4.000E-07	4.000E-07	4.000E-07	4.000E-07	4.000E-07	4.000E-07	4.000E-07	4.000E-07	4.000E-07	4.000E-07	4.000E-07	4.000E-07
ADSORBED	6.400E-09	6.400E-09	6.400E-09	6.400E-09	6.400E-09	6.400E-09	6.400E-09	6.400E-09	6.400E-09	6.400E-09	6.400E-09	6.400E-09
SOIL AIR	1.342E-09	1.359E-09	1.373E-09	1.387E-09	1.382E-09	1.379E-09	1.356E-09	1.344E-09	1.335E-09	1.320E-09	1.320E-09	1.321E-09

SOIL ZONE 2:

SOIL ZONE 3:

LOWER SOIL ZONE:

FOL DEP ON	4.121E+01	4.164E+01	4.234E+01	4.323E+01	4.382E+01	4.430E+01	4.458E+01	4.466E+01	4.468E+01	4.469E+01	4.469E+01	4.473E+01

- TOTAL INPUTS (UG) ---

UPPER SOIL ZONE	0.000E+00
SOIL ZONE 2	0.000E+00
SOIL ZONE 3	0.000E+00
LOWER SOIL ZONE	0.000E+00

--- HYDROLOGIC CYCLE COMPONENTS ---

AVERAGE SOIL MOISTURE BELOW ZONE 1 (%)	9.089
TOTAL PRECIPITATION (CM)	46.017
TOTAL INFILTRATION (CM)	45.467
TOTAL EVAPOTRANSPIRATION (CM)	25.356
TOTAL SURFACE RUNOFF (CM)	0.546
TOTAL GRW RUNOFF (CM)	20.110
TOTAL MOISTURE RETENTION (CM)	0.000
TOTAL YIELD (CM)	20.661

0 ·· POLLUTANT MASS DISTRIBUTION IN COLUMN (UG) ·· NOTE: IF COMPONENT IS ZERO EACH MONTH, IT IS NOT PRINTED

FOR FINAL MASS IN SOIL MOI., ADS. ON SOIL, SOIL AIR, IMMOBIL CEC, COMPLEXED, AND PURE PHASE FOR EACH SUBLAYER, SEE ABOVE (MONTH SEP)

UPPER SOIL ZONE:

SUBLAYER 1

TOTAL VOLATILIZED	2.231E+00
TOTAL DEGRADED (MOISTURE)	1.341E-01
TOTAL DEGRADED (SOIL)	1.594E+01

SUBLAYER 2

SUBLAYER 3

SUBLAYER 4

SOIL ZONE 2:

SUBLAYER 1

SOIL ZONE 3:

SUBLAYER 1

LOWER SOIL ZONE:

SUBLAYER 1

1 ··· AVERAGE POLLUTANT CONCENTRATIONS ··· NOTE: ONLY NON-ZERO VALUES ARE PRINTED ···

UPPER SOIL ZONE:

SUBLAYER 1

SOIL MOISTURE (UG/ML)	8.000E-10
ADSORBED SOIL (UG/G)	6.400E-09
SOIL AIR (UG/ML)	1.352E-09

SOIL ZONE 2:

LOWER SOIL ZONE:

MAX. FULL. DEPTH (M) 4.473E-01

1

YEAR -13 MONTHLY RESULTS (OUTPUT)

--- HYDROLOGIC CYCLE COMPONENTS

	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	JAN	FEB	MAR	APR
MOIS. IN L1 (%)	7.701	7.221	6.885	6.573	6.549	7.605	9.837	12.333	13.245	11.829	10.293	8.9
MOIS. BELOW L1 (%)	7.701	7.221	6.885	6.573	6.549	7.605	9.837	12.333	13.245	11.829	10.293	8.9
PRECIPITATION (CM)	0.951	0.328	0.120	0.135	0.598	2.770	5.730	8.204	10.342	7.123	6.082	3.6
NET INFILT. (CM)	0.946	0.298	0.106	0.124	0.566	2.657	5.630	8.120	10.215	7.072	6.056	3.4
EVAPOTRANS. (CM)	1.700	0.634	0.411	0.463	0.722	1.910	3.016	1.412	1.841	3.983	5.417	3.8
MOIS. RETEN (CM)	-0.839	-0.311	-0.218	-0.202	-0.016	0.684	1.445	1.616	0.591	-0.917	-0.994	-0.8
SUR. RUNOFF (CM)	0.000	0.030	0.013	0.011	0.033	0.113	0.050	0.076	0.127	0.051	0.026	0.0
GRW. RUNOFF (CM)	0.084	-0.025	-0.087	-0.137	-0.141	0.064	1.219	5.100	7.783	4.005	1.633	0.6
YIELD (CM)	0.089	0.005	-0.074	-0.126	-0.108	0.177	1.269	5.176	7.910	4.056	1.659	0.6
PAU/MEA (GZU)	0.990	1.059	1.087	1.123	0.997	0.996	0.997	0.993	0.998	1.006	1.000	1.0
PA/MPA (GZ)	0.990	1.059	1.087	1.123	0.997	0.996	0.997	0.993	0.998	1.006	1.000	1.0

1

--- POLLUTANT MASS INPUTS TO COLUMN (L

G) -

	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	JAN	FEB	MAR	APR
PRECIP.	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+
LOAD UPPER	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+
LOAD ZONE 2	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+

[illegible] 0.000E+00 0.000E+00 0.000E+00 0.000E+00 0.000E+00 0.000E+00 0.000E+00 0.000E+00 0.000E+00 0.000E+00 0.000E+00 0.000E+00

TOTAL INPUT 0.000E+00 0.000E+00 0.000E+00 0.000E+00 0.000E+00 0.000E+00 0.000E+00 0.000E+00 0.000E+00 0.000E+00 0.000E+00 0.000E+00

0 · POLLUTANT MASS DISTRIBUTION IN COLUMN (UG) · NOTE: IF COMPONENT I S ZERO FOR MONTH, IT IS NOT PRINTED

UPPER SOIL ZONE:

SUBLAYER 1

VOLATILIZED 0.000E+00 0.000E+00 0.000E+00 0.000E+00 0.000E+00 0.000E+00 0.000E+00 0.000E+00 0.000E+00 0.000E+00 1.113E+00 1.118E+00

DISSOLVED 9.355E-03 1.210E-02 1.517E-02 1.629E-02 1.455E-02 1.266E-02 1.106E-02 9.471E-03 8.881E-03 8.467E-03 8.084E-03 8.054E-03

ADSORBED SOIL 1.328E+00 1.328E+00 1.328E+00 1.328E+00 1.328E+00 1.328E+00 1.328E+00 1.328E+00 1.328E+00 1.328E+00 1.328E+00 1.328E+00

IN SOIL MOIS 3.110E-02 4.063E-02 5.056E-02 5.430E-02 4.849E-02 4.219E-02 3.686E-02 3.156E-02 2.960E-02 2.822E-02 2.695E-02 2.685E-02

ADS ON SOIL 4.427E+00 4.427E+00 4.427E+00 4.427E+00 4.427E+00 4.427E+00 4.427E+00 4.427E+00 4.427E+00 4.427E+00 4.427E+00 4.427E+00

IN SOIL ATR 1.122E-01 9.862E-02 8.207E-02 7.643E-02 8.619E-02 9.685E-02 1.042E-01 1.124E-01 1.149E-01 1.158E-01 1.179E-01 1.181E-01

SUBLAYER 2

SUBLAYER 3

SUBLAYER 4

SOIL ZONE 2:

SUBLAYER 1

SOIL ZONE 3:

SUBLAYER 1

LOWER SOIL ZONE:

SUBLAYER 1

POLLUTANT CONCENTRATIONS (UG/ML) OR (UG/G) --- NOTE: IF CONCENTRATIONS A RE ZERO FOR EACH MONTH, THEY ARE NOT PRINTED -·

UPPER SOIL ZONE:

SUBLAYER 1

LY 0.000E+00 0.000E+00 0.000E+00 0.000E+00 0.000E+00 0.000E+00
SOIL WATER 4.000E-02 4.000E-02 4.000E-02 4.000E-02 4.000E-02 4.000E-02 4.000E-02 4.000E-02 4.000E-02 4.000E-02 4.000E-02 4.000E-02
ADSORBED 6.400E-09 6.400E-09 6.400E-09 6.400E-09 6.400E-09 6.400E-09 6.400E-09 6.400E-09 6.400E-09 6.400E-09 6.400E-09 6.400E-09
SOIL AIR 1.342E-09 1.359E-09 1.373E-09 1.387E-09 1.382E-09 1.379E-09 1.356E-09 1.346E-09 1.335E-09 1.320E-09 1.320E-09 1.321E-09

SOIL ZONE 2:

SOIL ZONE 3:

LOWER SOIL ZONE:

POL DEP CM 4.494E+01 4.538E+01 4.607E+01 4.695E+01 4.755E+01 4.803E+01 4.831E+01 4.838E+01 4.841F+01 4.841E+01 4.842E+01 4.846E+01

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--- TOTAL INPUTS (UG) ---

UPPER SOIL ZONE	0.000E+00
SOIL ZONE 2	0.000E+00
SOIL ZONE 3	0.000E+00
LOWER SOIL ZONE	0.000E+00

--- HYDROLOGIC CYCLE COMPONENTS ---

AVERAGE SOIL MOISTURE ZONE 1 (%)	9.089
AVERAGE SOIL MOISTURE BELOW ZONE 1 (%)	9.089
TOTAL PRECIPITATION (CM)	46.017
TOTAL INFILTRATION (CM)	45.467
TOTAL EVAPOTRANSPIRATION (CM)	25.356
TOTAL SURFACE RUNOFF (CM)	0.546
TOTAL GRW RUNOFF (CM)	20.110
TOTAL MOISTURE RETENTION (CM)	0.000
TOTAL YIELD (CM)	20.661

0 --- POLLUTANT MASS DISTRIBUTION IN COLUMN (UG) --- NOTE: IF COMPONENT I S ZERO EACH MONTH, IT IS NOT PRINTED

FOR FINAL MASS IN SOIL MOI., ADS., ON SOIL., SOIL AIR., IMMOBIL CEC., COMPLEXED., AN D PURE PHASE FOR EACH SUBLAYER, SEE ABOVE (MONTH SEP)

UPPER SOIL ZONE:

SUBLAYER 1

TOTAL VOLATILIZED	2.231E+00
TOTAL DEGRADED (MOISTURE)	1.341E-01
TOTAL DEGRADED (SOIL)	1.594E+01

SUBLAYER 2

SUBLAYER 3

SOIL ZONE 2:

SUBLAYER 1

SOIL ZONE 3:

SUBLAYER 1

LOWER SOIL ZONE:

SUBLAYER 1

---- AVERAGE POLLUTANT CONCENTRATIONS ---- NOTE: ONLY NON-ZERO VALUES ARE PRINTED ----

UPPER SOIL ZONE:

SUBLAYER 1

SOIL MOISTURE (UG/ML)	8.000E-10
ADSORBED SOIL (UG/G)	6.400E-09
SOIL AIR (UG/ML)	1.352E-09

SOIL ZONE 2:

SOIL ZONE 3:

LOWER SOIL ZONE:

MAX. POLL. DEPTH (M)	4.846E-01

YEAR 14 MONTHLY RESULTS (OUTPUT)

--- HYDROLOGIC CYCLE COMPONENTS ---

	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	JAN	FEB	MAR	APR
MOIS. IN LL (%)	7.701	7.221	6.885	6.573	6.547	7.605	9.837	12.333	13.245	11.829	10.293	8.9
MOIS. BELOW LL (%)	7.701	7.223	6.885	6.573	6.547	7.605	9.837	12.333	13.245	11.829	10.293	8.9
PERCOLATION (CM)						2.770	5.430	8.204	10.342	7.123	6.082	3.6

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19      0.948      0.298      0.103      0.124      0.366
 EVAPOTRANS. (CM)             1.910      3.016      1.41.      1.041      3.983      5.417      3.8
46      1.700      0.534      0.411      0.465      0.722
 MOIS. RETEN (CM)             0.684      1.445      1.616      0.591     -0.217     -0.994     -0.8
39     -0.832     -0.311     -0.218     -0.202     -0.016
 SUR. RUNOFF (CM)             0.113      0.050      0.076      0.127      0.051      0.026      0.0
15      0.006      0.030      0.013      0.011      0.033
 GRW. RUNOFF (CM)             0.064      1.219      5.100      7.783      4.005      1.633      0.6
12      0.084     -0.025     -0.087     -0.137     -0.141
 YIELD (CM)                   0.177      1.269      5.176      7.910      4.056      1.659      0.6
27      0.089      0.005      0.074     -0.126     -0.108

 PAU/MPA (GZU)                0.996      0.997      0.993      0.998      1.006      1.000      1.0
04      0.990      1.059      1.087      1.123      0.997
 PA/MPA (GZ)                  0.996      0.997      0.993      0.998      1.006      1.000      1.0
04      0.990      1.059      1.087      1.123      0.997

1                                                        -- POLLUTANT MASS INPUT TO COLUMN (U
G)
                                                         ------------------------------------
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               OCT          NOV          DEC          JAN          FEB          MAR          APR
      MAY      JUN          JUL          AUG          SEP

 PRECIP.      0.000E+00 0.000E+00 0.000E+00 0.000E+00 0.000E+00 0.000E+00 0.000E+
00 0.000E+00 0.000E+00 0.000E+00 0.000E+00 0.000E+00
 LOAD UPPER   0.000E+00 0.000E+00 0.000E+00 0.000E+00 0.000E+00 0.000E+00 0.000E+
00 0.000E+00 0.000E+00 0.000E+00 0.000E+00 0.000E+00
 LOAD ZONE 2  0.000E+00 0.000E+00 0.000E+00 0.000E+00 0.000E+00 0.000E+00 0.000E+
00 0.000E+00 0.000E+00 0.000E+00 0.000E+00 0.000E+00
 LOAD ZONE 3  0.000E+00 0.000E+00 0.000E+00 0.000E+00 0.000E+00 0.000E+00 0.000E+
00 0.000E+00 0.000E+00 0.000E+00 0.000E+00 0.000E+00
 LOAD LOWER   0.000E+00 0.000E+00 0.000E+00 0.000E+00 0.000E+00 0.000E+00 0.000E+
00 0.000E+00 0.000E+00 0.000E+00 0.000E+00 0.000E+00

 TOTAL INPUT  0.000E+00 0.000E+00 0.000E+00 0.000E+00 0.000E+00 0.000E+00 0.000E+
00 0.000E+00 0.000E+00 0.000E+00 0.000E+00 0.000E+00
0             --- POLLUTANT MASS DISTRIBUTION IN COLUMN (UG) --- NOTE: IF COMPONENT I
S ZERO EACH MONTH, IT IS NOT PRINTED
              ---------------------------------------------------------------------
-------------------------------------------

        UPPER SOIL ZONE:

             SUBLAYER  1

 VOLATILIZED  0.000E+00 0.000E+00 0.000E+00 0.000E+00 0.000E+00 0.000E+00 0.000E+
00 0.000E+00 0.000E+00 0.000E+00 1.113E+00 1.118E+00
 DEGRAD MOIS  9.353E-03 1.210E-02 1.517E-02 1.629E-02 1.455E-02 1.266E-02 1.106E-
02 9.471E-03 8.801E-03 8.467E-03 8.084E-03 8.054E-03
 DEGRAD SOIL  1.328E+00 1.328E+00 1.328E+00 1.328E+00 1.328E+00 1.328E+00 1.328E+
00 1.328E+00 1.328E+00 1.328E+00 1.328E+00 1.328E+00
 IN SOIL MOI  3.110E-02 4.003E-02 5.056E-02 5.430E-02 4.849E-02 4.219E-02 3.688E-
02 3.157E-02 2.960E-02 2.824E-02 2.695E-02 2.685E-02
 ADS ON SOIL  4.427E+00 4.427E+00 4.427E+00 4.427E+00 4.427E+00 4.427E+00 4.427E+
00 4.427E+00 4.427E+00 4.427E+00 4.427E+00 4.427E+00
 IN SOIL AIR  1.192E-01 9.862E-02 8.207E-02 7.643E-02 8.619E-02 9.685E-02 1.042E-
01 1.124E-01 1.148E-01 1.158E-01 1.179E-01 1.181E-01

             SUBLAYER  2
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SUBLAYER 2

SOIL ZONE 2:

SUBLAYER 1

SOIL ZONE 3:

SUBLAYER 1

LOWER SOIL ZONE:

SUBLAYER 1

- POLLUTANT CONCENTRATIONS (UG/ML) OR (UG/G) -- NOTE: IF CONCENTRATIONS A
RE ZERO FOR EACH MONTH, THEY ARE NOT PRINTED ---

UPPER SOIL ZONE:

SUBLAYER 1

MOISTURE	8.000E-10	8.000E-10	8.000E-10	8.000E-10	8.000E-10	8.000E-10	8.000E-10	8.000E-10	8.000E-10	8.000E-10	8.000E-10	8.000E-10
%SOLUBILITY	4.000E-07	4.000E-07	4.000E-07	4.000E-07	4.000E-07	4.000E-07	4.000E-07	4.000E-07	4.000E-07	4.000E-07	4.000E-07	4.000E-07
ADSORBED	6.400E-09	6.400E-09	6.400E-09	6.400E-09	6.400E-09	6.400E-09	6.400E-09	6.400E-09	6.400E-09	6.400E-09	6.400E-09	6.400E-09
SOIL AIR	1.342E-09	1.359E-09	1.373E-09	1.387E-09	1.382E-09	1.379E-09	1.356E-09	1.346E-09	1.335E-09	1.320E-09	1.320E-09	1.321E-09

SOIL ZONE 2:

SOIL ZONE 3:

LOWER SOIL ZONE:

POI DEPTH	4.866E+01	4.911E+01	4.980E+01	5.068E+01	5.127E+01	5.175E+01	5.204E+01	5.211E+01	5.213E+01	5.214E+01	5.215E+01	5.219E+01

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-- TOTAL INPUTS (UG) ---

UPPER SOIL ZONE	0.000E+00
SOIL ZONE 2	0.000E+00
SOIL ZONE 3	0.000E+00
LOWER SOIL ZONE	0.000E+00

- HYDROLOGIC CYCLE COMPONENTS -

AVG PERC SOIL MOISTURE BELOW ZONE 1 (%) 9.09
TOTAL SOIL EVAPORATION (CM) 46.017
TOTAL INFILTRATION (CM) 45.467
TOTAL EVAPOTRANSPIRATION (CM) 25.356
TOTAL SURFACE RUNOFF (CM) 0.546
TOTAL GRW RUNOFF (CM) 20.110
TOTAL MOISTURE RETENTION (CM) 0.000
TOTAL YIELD (CM) 20.661

1 -- POLLUTANT MASS DISTRIBUTION IN COLUMN (UG) --- NOTE: IF COMPONENT I
S ZERO FOR EACH MONTH, IT IS NOT PRINTED

FOR FINAL MASS IN SOIL MOI., ADS. ON SOIL, SOIL AIR, IMMOBIL CEC, COMPLEXED, AN
D PURE PHASE FOR EACH SUBLAYER, SEE ABOVE (MONTH SEP)

UPPER SOIL ZONE:

SUBLAYER 1

TOTAL VOLATILIZED 2.231E+00
TOTAL DEGRADED (MOISTURE) 1.341E-01
TOTAL DEGRADED (SOIL) 1.594E+01

SUBLAYER 2

SUBLAYER 3

SUBLAYER 4

SOIL ZONE 2:

SUBLAYER 1

SOIL ZONE 3:

SUBLAYER 1

LOWER SOIL ZONE:

SUBLAYER 1

1 --- AVERAGE POLLUTANT CONCENTRATIONS --- NOTE: ONLY NON
-ZERO VALUES ARE PRINTED --

UPPER SOIL ZONE:

SUBLAYER 1

SOIL MOISTURE (UG/ML) 6.000E-10
ADSORBED SOIL (UG/G) 6.400E-09
SOIL AIR (UG/ML) 1.35?E-09

SOIL ZONE 2:

LOWER SOIL ZONE:

MAX. POLL. DEPTH (M) 5.219E-01

YEAR -15 MONTHLY RESULTS (OUTPUT)

- HYDROLOGIC CYCLE COMPONENTS -

	MAY	JUN	OCT JUL	NOV AUG	DEC SEP	JAN	FEB	MAR	APR
MOIS. IN L1 (%)			7.605	9.837	12.333	13.245	11.829	10.293	8.9
97	7.701	7.221	6.885	6.573	6.549				
MOIS. BELOW L1 (%)			7.605	9.837	12.333	13.245	11.829	10.293	8.9
97	7.701	7.221	6.885	6.573	6.549				
PRECIPITATION (CM)			2.770	5.730	8.204	10.342	7.123	6.082	3.6
34	0.951	0.328	0.120	0.135	0.598				
NET INFILT. (CM)			2.657	5.680	8.128	10.215	7.072	6.056	3.6
19	0.946	0.298	0.106	0.124	0.566				
EVAPOTRANS. (CM)			1.910	3.016	1.412	1.841	3.983	5.417	3.8
46	1.700	0.634	0.411	0.463	0.722				
MOIS. RETEN (CM)			0.684	1.445	1.616	0.591	-0.917	-0.994	-0.8
39	-0.839	-0.311	-0.218	-0.202	-0.016				
SUR. RUNOFF (CM)			0.113	0.050	0.076	0.127	0.051	0.026	0.0
15	0.000	0.030	0.013	0.011	0.033				
GRW. RUNOFF (CM)			0.064	1.219	5.100	7.783	4.005	1.633	0.6
12	0.084	-0.025	-0.087	-0.137	-0.141				
YIELD (CM)			0.177	1.269	5.176	7.910	4.056	1.659	0.6
27	0.089	0.005	-0.074	-0.126	-0.108				
PAU/MPA (GZU)			0.996	0.997	0.993	0.998	1.006	1.000	1.0
04	0.990	1.059	1.087	1.123	0.997				
PA/MPA (GZ)			0.996	0.997	0.993	0.998	1.006	1.000	1.0
04	0.990	1.059	1.087	1.123	0.997				

1 --- POLLUTANT MASS INPUT TO COLUMN (U
G)

	MAY	JUN	OCT JUL	NOV AUG	DEC SEP	JAN	FEB	MAR	APR
FREE LI.	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+	
00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00				
LOAD UPTER	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+	
00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00				
LOAD THRU %	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+	

0.000E+00 0.000E+00 0.000E+00 0.000E+00 0.000E+00 0.000E+00 0.000E+00 0.000E+00 0.000E+00 0.000E+00 0.000E+00 0.000E+00

LOWER TUBER 0.000E+00 0.000E+00 0.000E+00 0.000E+00 0.000E+00 0.000E+00 0.000E+00 0.000E+00 0.000E+00 0.000E+00 0.000E+00 0.000E+00

TOTAL INPUT 0.000E+00 0.000E+00 0.000E+00 0.000E+00 0.000E+00 0.000E+00 0.000E+00 0.000E+00 0.000E+00 0.000E+00 0.000E+00 0.000E+00

0 POLLUTANT MASS DISTRIBUTION IN COLUMN (UG) --- NOTE: IF COMPONENT IS ZERO EACH MONTH, IT IS NOT PRINTED.

UPPER SOIL ZONE:

SUBLAYER 1

VOLATILIZED 0.000E+00 0.000E+00 0.000E+00 0.000E+00 0.000E+00 0.000E+00 0.000E+00 0.000E+00 0.000E+00 0.000E+00 1.113E+00 1.118E+00

DEGRAD MOIS 9.353E-03 1.210E-02 1.517E-02 1.629E-02 1.455E-02 1.266E-02 1.106E-02 9.471E-03 8.881E-03 8.467E-03 8.084E-03 8.054E-03

DEGRAD SOIL 1.328E+00 1.328E+00 1.328E+00 1.328E+00 1.328E+00 1.328E+00 1.328E+00 1.328E+00 1.328E+00 1.328E+00 1.328E+00 1.328E+00

IN SOIL MOI 3.118E-02 4.033E-02 5.056E-02 5.430E-02 4.849E-02 4.219E-02 3.688E-02 3.154E-02 2.960E-02 2.822E-02 2.695E-02 2.685E-02

ADS ON SOIL 4.427E+00 4.427E+00 4.427E+00 4.427E+00 4.427E+00 4.427E+00 4.427E+00 4.427E+00 4.427E+00 4.427E+00 4.427E+00 4.427E+00

IN SOIL AIR 1.127E-01 9.862E-02 8.207E-02 7.643E-02 8.619E-02 9.685E-02 1.042E-01 1.124E-01 1.148E-01 1.158E-01 1.179E-01 1.181E-01

SUBLAYER 2

SUBLAYER 3

SUBLAYER 4

SOIL ZONE 2:

SUBLAYER 1

SOIL ZONE 3:

SUBLAYER 1

LOWER SOIL ZONE:

SUBLAYER 1

0 POLLUTANT CONCENTRATIONS (UG/ML) OR (UG/G) --- NOTE: IF CONCENTRATIONS ARE ZERO FOR EACH MONTH, THEY ARE NOT PRINTED. ---

UPPER SOIL ZONE:

SUBLAYER 1

10 8.000E-10 8.000E-10 8.000E-10 8.000E-10 8.000E-10 8.000E-10
 ADS ON SOIL 4.000E-07 4.000E-07 4.000E-07 4.000E-07 4.000E-07 4.000E-07 4.000E-07 4.000E-07 4.000E-07 4.000E-07 4.000E-07 4.000E-07
 ADSORBED 6.400E-09 6.400E-09 6.400E-09 6.400E-09 6.400E-09 6.400E-09 6.400E-09 6.400E-09 6.400E-09 6.400E-09 6.400E-09 6.400E-09
 SOIL AIR 1.342E-09 1.359E-09 1.375E-09 1.387E-09 1.382E-09 1.379E-09 1.356E-09 1.342E-09 1.355E-09 1.329E-09 1.320E-09 1.321E-09

SOIL ZONE 2:

SOIL ZONE 3:

LOWER SOIL ZONE:

 POL DEP CN 5.239E+01 5.284E+01 5.352E+01 5.441E+01 5.500E+01 5.548E+01 5.576E+01 5.584E+01 5.586E+01 5.587E+01 5.587E+01 5.591E+01

1 YEAR = 15 ANNUAL SUMMARY REPORT

--- TOTAL INPUTS (UG) ---

UPPER SOIL ZONE	0.000E+00
SOIL ZONE 2	0.000E+00
SOIL ZONE 3	0.000E+00
LOWER SOIL ZONE	0.000E+00

--- HYDROLOGIC CYCLE COMPONENTS ---

AVERAGE SOIL MOISTURE ZONE 1 (%)	9.089
AVERAGE SOIL MOISTURE BELOW ZONE 1 (%)	9.089
TOTAL PRECIPITATION (CM)	46.017
TOTAL INFILTRATION (CM)	45.467
TOTAL EVAPOTRANSPIRATION (CM)	25.356
TOTAL SURFACE RUNOFF (CM)	0.546
TOTAL GRW RUNOFF (CM)	20.110
TOTAL MOISTURE RETENTION (CM)	0.000
TOTAL YIELD (CM)	20.661

0 --- POLLUTANT MASS DISTRIBUTION IN COLUMN (UG) --- NOTE: IF COMPONENT I S ZERO EACH MONTH, IT IS NOT PRINTED

FOR FINAL MASS IN SOIL MOI., ADS. ON SOIL, SOIL AIR, IMMOBIL CEC, COMPLEXED, AN D PURE PHASE FOR EACH SUBLAYER, SEE ABOVE (MONTH SEP)

UPPER SOIL ZONE:

SUBLAYER 1

TOTAL VOLATILIZED	2.231E+00
TOTAL DEGRADED (MOISTURE)	1.341E-01
TOTAL DEGRADED (SOIL)	1.594E+01

SUBLAYER 2

SUBLAYER 3

```
         SOIL ZONE 2:

               SUBLAYER  1

         SOIL ZONE 3:

               SUBLAYER  1

         LOWER SOIL ZONE:

               SUBLAYER  1
1                                    -- AVERAGE POLLUTANT CONCENTRATIONS --  NOTE: ONLY NON
-ZERO VALUES ARE PRINTED --
                                     --------------------------------------------------------
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         UPPER SOIL ZONE:

               SUBLAYER  1

                                                   SOIL MOISTURE (UG/ML)   8.000E-10
                                                   ADSORBED SOIL (UG/G)    6.400E-09
                                                   SOIL AIR (UG/ML)        1.352E-09

         SOIL ZONE 2:

         SOIL ZONE 3:

         LOWER SOIL ZONE:

                                                   MAX. POLL. DEPTH (M)    5.591E-01
1

         YEAR  16      MONTHLY RESULTS (OUTPUT)
         --------      ------------------------

          -- HYDROLOGIC CYCLE COMPONENTS --

                                 OCT        NOV        DEC        JAN        FEB        MAR        APR
         MAY        JUN          JUL        AUG        SEP

 MOIS. IN L1 (%)                7.605      9.837     12.333     13.245     11.829     10.293      8.9
97       7.701      7.221       6.885      6.573      6.549
 MOIS. BELOW L1 (%)             7.605      9.837     12.333     13.245     11.829     10.293      8.9
97       7.701      7.221       6.885      6.573      6.549
 PRECIPITATION (CM)             [illegible] [illegible] [illegible] 10.342   7.123      6.082      3.[illegible]
```

1%	--.---	0.298	0.106	0.124	0.566				
EVAPOTRANS (CM)			1.910	3.016	1.412	1.041	3.983	5.417	3.8
04	1.206	0.554	0.411	0.463	0.722				
PERC. BELOW (CM)			0.684	1.445	1.616	0.591	-0.917	-0.994	-0.8
39	0.839	-0.311	-0.218	-0.202	-0.016				
SURF. RUNOFF (CM)			0.113	0.050	0.076	0.127	0.051	0.026	0.0
15	0.000	0.060	0.013	0.011	0.033				
GRND. RUNOFF (CM)			0.064	1.219	5.100	7.783	4.005	1.633	0.6
12	0.084	-0.045	-0.087	-0.137	-0.141				
YIELD (CM)			0.177	1.269	5.176	7.910	4.056	1.659	0.6
27	0.089	0.005	-0.074	-0.126	-0.108				
PAU/MPA (GZU)			0.996	0.997	0.993	0.998	1.006	1.000	1.0
04	0.990	1.059	1.087	1.123	0.997				
PA/MPA (GZ)			0.996	0.997	0.993	0.998	1.006	1.000	1.0
04	0.990	1.059	1.087	1.123	0.997				

I
G - -

--- POLLUTANT MASS INPUT TO COLUMN (U

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	OCT	NOV	DEC	JAN	FEB	MAR	APR
MAY	JUN	JUL	AUG	SEP			
PRECIP.	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+
00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00		
LOAD UPPER	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+
00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00		
LOAD ZONE 2	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+
00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00		
LOAD ZONE 3	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+
00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00		
LOAD LOWER	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+
00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00		
TOTAL INPUT	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+
00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00		

O -- POLLUTANT MASS DISTRIBUTION IN COLUMN (UG) --- NOTE: IF COMPONENT I
S ZERO EACH MONTH, IT IS NOT PRINTED

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UPPER SOIL ZONE:

SUBLAYER 1

VOLATILIZD	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+
00	0.000E+00	0.000E+00	0.000E+00	1.113E+00	1.118E+00		
DEGRAD HOTS	9.353E-03	1.210E-02	1.517E-02	1.629E-02	1.455E-02	1.266E-02	1.106E-
02	9.471E-03	8.031E-03	8.467E-03	8.084E-03	8.054E-03		
DEGRAD SOIL	1.328E+00	1.328E+00	1.328E+00	1.328E+00	1.328E+00	1.328E+00	1.328E+
00	1.328E+00	1.328E+00	1.328E+00	1.328E+00	1.328E+00		
IN SOIL H2O	5.118E-02	4.033E-02	5.056E-02	5.430E-02	4.849E-02	4.219E-02	3.688E-
02	3.154E-02	2.960E-02	2.822E-02	2.695E-02	2.685E-02		
ADS ON SOIL	4.427E+00	4.427E+00	4.427E+00	4.427E+00	4.427E+00	4.427E+00	4.427E+
00	4.427E+00	4.427E+00	4.427E+00	4.427E+00	4.427E+00		
IN SOIL AIR	1.127E-01	9.862E-02	8.207E-02	7.643E-02	8.619E-02	9.685E-02	1.042E-
01	1.124E-01	1.148E-01	1.158E-01	1.179E-01	1.181E-01		

SUBLAYER 2

SUBLAYER 4

SOIL ZONE 2:

SUBLAYER 1

SOIL ZONE 3:

SUBLAYER 1

LOWER SOIL ZONE:

SUBLAYER 1

-- POLLUTANT CONCENTRATIONS (UG/ML) OR (UG/G) --- NOTE: IF CONCENTRATIONS ARE ZERO FOR EACH MONTH, THEY ARE NOT PRINTED ---

UPPER SOIL ZONE:

SUBLAYER 1

MOISTURE	8.000E-10	8.000E-10	8.000E-10	8.000E-10	8.000E-10	8.000E-10	8.000E-10	8.000E-10	8.000E-10	8.000E-10	8.000E-10	8.000E-10
%SOLUBILITY	4.000E-07	4.000E-07	4.000E-07	4.000E-07	4.000E-07	4.000E-07	4.000E-07	4.000E-07	4.000E-07	4.000E-07	4.000E-07	4.000E-07
ADSORBED	6.400E-09	6.400E-09	6.400E-09	6.400E-09	6.400E-09	6.400E-09	6.400E-09	6.400E-09	6.400E-09	6.400E-09	6.400E-09	6.400E-09
SOIL AIR	1.342E-09	1.359E-09	1.373E-09	1.387E-09	1.382E-09	1.379E-09	1.356E-09	1.346E-09	1.335E-09	1.320E-09	1.320E-09	1.321E-09

SOIL ZONE 2:

SOIL ZONE 3:

LOWER SOIL ZONE:

POL DEP ON	5.612E+01	5.656E+01	5.725E+01	5.813E+01	5.873E+01	5.921E+01	5.949E+01	5.956E+01	5.959E+01	5.959E+01	5.960E+01	5.964E+01

-- TOTAL INPUTS (UG) --

UPPER SOIL ZONE:	0.000E+00
SOIL ZONE 2	0.000E+00
SOIL ZONE 3	0.000E+00
LOWER SOIL ZONE	0.000E+00

-- HYDROLOGIC CYCLE COMPONENTS

AVERAGE SOIL MOISTURE BETWEEN ZONE 1 (%)	9.039
TOTAL PRECIPITATION (CM)	45.017
TOTAL IRRIGATION (CM)	45.467
TOTAL EVAPOTRANSPIRATION (CM)	25.356
TOTAL SURFACE RUNOFF (CM)	0.546
TOTAL GROW RUNOFF (CM)	20.110
TOTAL MOISTURE RETENTION (CM)	0.000
TOTAL YIELD (CM)	20.461

0 --- POLLUTANT MASS DISTRIBUTION IN COLUMN (UG) --- NOTE: IF COMPONENT I S ZERO EACH MONTH, IT IS NOT PRINTED

FOR FINAL MASS IN SOIL MOI., ADS. ON SOIL, SOIL AIR, IMMOBIL CEC, COMPLEXED, AN D PURE PHASE FOR EACH SUBLAYER, SEE ABOVE (MONTH SEP)

UPPER SOIL ZONE:

SUBLAYER 1

TOTAL VOLATILIZED	2.231E+00
TOTAL DEGRADED (MOISTURE)	1.341E-01
TOTAL DEGRADED (SOIL)	1.594E+01

SUBLAYER 2

SUBLAYER 3

SUBLAYER 4

SOIL ZONE 2:

SUBLAYER 1

SOIL ZONE 3:

SUBLAYER 1

LOWER SOIL ZONE:

SUBLAYER 1

1 --- AVERAGE POLLUTANT CONCENTRATIONS --- NOTE: ONLY NON -ZERO VALUES ARE PRINTED ---

UPPER SOIL ZONE:

SUBLAYER 1

SOIL MOISTURE (UG/ML)	8.000E-10
ADSORBED SOIL (UG/G)	6.400E-09
SOIL AIR (UG/ML)	1.352E-09

SOIL ZONE 2:

MAX. POLL. DEPTH (M) 5.964E-01

YEAR -17 MONTHLY RESULTS (OUTPUT)

- HYDROLOGIC CYCLE COMPONENTS -

	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
MOIS. IN U.Z. (%)	7.605	9.837	12.333	13.245	11.829	10.293	8.9	97	7.701	7.221	6.885	6.573	6.549
MOIS. BLOW U.Z. (%)	7.605	9.837	12.333	13.245	11.829	10.293	8.9	97	7.701	7.221	6.885	6.573	6.549
PRECIPITATION (CM)	2.770	5.730	8.204	10.342	7.123	6.082	3.6	34	0.951	0.328	0.120	0.135	0.598
NET INFIL. (CM)	2.657	5.680	8.128	10.215	7.072	6.056	3.6	19	0.946	0.298	0.106	0.124	0.566
EVAPOTRANS. (CM)	1.910	3.016	1.412	1.841	3.983	5.417	3.6	46	1.700	0.634	0.411	0.463	0.722
MOIS. RETEN (CM)	0.684	1.445	1.616	0.591	-0.917	-0.994	-0.6	39	-0.439	-0.311	-0.218	-0.202	-0.016
SUR. RUNOFF (CM)	0.113	0.050	0.076	0.127	0.051	0.026	0.0	15	0.000	0.030	0.013	0.011	0.033
GRW. RUNOFF (CM)	0.064	1.219	5.100	7.783	4.005	1.633	0.6	12	0.084	-0.025	-0.087	-0.137	-0.141
YIELD (CM)	0.177	1.269	5.176	7.910	4.056	1.659	0.6	27	0.089	0.005	-0.074	-0.126	-0.108
PAU/PEA (GZU)	0.996	0.997	0.993	0.998	1.006	1.000	1.0	04	0.990	1.059	1.087	1.123	0.997
PA/PEA (UZ)	0.996	0.997	0.993	0.998	1.006	1.000	1.0	04	0.990	1.059	1.087	1.123	0.997

- POLLUTANT MASS INPUT TO COLUMN (L

	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
PRECIP.	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+	00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
LOAD UPPER	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+	00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
LOAD LOWER	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+	00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00

LOAD LOWER 0.000E+00 0.000E+00 0.000E+00 0.000E+00 0.000E+00 0.000E+00 0.000E+00 0.000E+00 0.000E+00 0.000E+00 0.000E+00 0.000E+00

TOTAL INPUT 0.000E+00 0.000E+00 0.000E+00 0.000E+00 0.000E+00 0.000E+00 0.000E+00 0.000E+00 0.000E+00 0.000E+00 0.000E+00 0.000E+00

0 ** POLLUTANT MASS DISTRIBUTION IN COLUMN (UG) *** NOTE: IF COMPONENT IS ZERO EACH MONTH, IT IS NOT PRINTED

UPPER SOIL ZONE:

SUBLAYER 1

VOLATILIZED 0.000E+00 0.000E+00 0.000E+00 0.000E+00 0.000E+00 0.000E+00 0.000E+00 0.000E+00 0.000E+00 0.000E+00 1.113E+00 1.118E+00

DEGRAD HOTS 9.353E-03 1.210E-02 1.517E-02 1.629E-02 1.455E-02 1.266E-02 1.106E-02 9.471E-03 8.881E-03 8.467E-03 9.084E-03 8.054E-03

DEGRAD SOIL 1.328E+00 1.328E+00 1.328E+00 1.328E+00 1.328E+00 1.328E+00 1.328E+00 1.328E+00 1.328E+00 1.328E+00 1.328E+00 1.328E+00

IN SOIL HOT 3.118E-02 4.033E-02 5.056E-02 5.430E-02 4.849E-02 4.219E-02 3.688E-02 3.197E-02 2.960E-02 2.822E-02 2.695E-02 2.685E-02

ADS ON SOIL 4.427E+00 4.427E+00 4.427E+00 4.427E+00 4.427E+00 4.427E+00 4.427E+00 4.427E+00 4.427E+00 4.427E+00 4.427E+00 4.427E+00

IN SOIL ATR 1.127E-01 9.862E-02 8.207E-02 7.643E-02 8.619E-02 9.685E-02 1.042E-01 1.124E-01 1.148E-01 1.158E-01 1.179E-01 1.181E-01

SUBLAYER 2

DEGRAD HOTS 0.000E+00 0.000E+00 0.000E+00 2.036E-04 1.818E-04 1.582E-04 1.383E-04 1.184E-04 1.110E-04 1.058E-04 1.010E-04 1.007E-04

DEGRAD SOIL 0.000E+00 0.000E+00 0.000E+00 1.660E-02 1.660E-02 1.660E-02 1.660E-02 1.660E-02 1.660E-02 1.660E-02 1.660E-02 1.660E-02

IN SOIL HOT 0.000E+00 0.000E+00 0.000E+00 6.787E-04 6.061E-04 5.274E-04 4.610E-04 3.946E-04 3.700E-04 3.528E-04 3.368E-04 3.356E-04

ADS ON SOIL 0.000E+00 0.000E+00 0.000E+00 5.534E-02 5.534E-02 5.534E-02 5.534E-02 5.534E-02 5.534E-02 5.534E-02 5.534E-02 5.534E-02

IN SOIL ATR 0.000E+00 0.000E+00 0.000E+00 9.553E-04 1.077E-03 1.211E-03 1.303E-03 1.405E-03 1.435E-03 1.447E-03 1.474E-03 1.476E-03

SUBLAYER 3

SUBLAYER 4

SOIL ZONE 2:

SUBLAYER 1

SOIL ZONE 3:

SUBLAYER 1

LOWER SOIL ZONE:

SUBLAYER 1

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RO EACH FOR EACH MONTH, THEY ARE NOT PRINTED


        UPPER SOIL ZONE:

                SUBLAYER  1

 MOISTURE      8.000E-10 8.000E-10 8.000E-10 8.000E-10 8.000E-10 8.000E-10 8.000E-
10 8.000E-10 8.000E-10 8.000E-10 8.000E-10 8.000E-10
 %SOLUBILITY 4.000E-07 4.000E-07 4.000E-07 4.000E-07 4.000E-07 4.000E-07 4.000E-
07 4.000E-07 4.000E-07 4.000E-07 4.000E-07 4.000E-07
 ADSORBED      6.400E-09 6.400E-09 6.400E-09 6.400E-09 6.400E-09 6.400E-09 6.400E-
09 6.400E-09 6.400E-09 6.400E-09 6.400E-09 6.400E-09
 SOIL AIR      1.342E-09 1.359E-09 1.373E-09 1.387E-09 1.382E-09 1.379E-09 1.356E-
09 1.346E-09 1.335E-09 1.320E-09 1.320E-09 1.321E-09

                SUBLAYER  2

 MOISTURE      0.000E+00 0.000E+00 0.000E+00 1.000E-11 1.000E-11 1.000E-11 1.000E-
11 1.000E-11 1.000E-11 1.000E-11 1.000E-11 1.000E-11
 %SOLUBILITY 0.000E+00 0.000E+00 0.000E+00 5.000E-09 5.000E-09 5.000E-09 5.000E-
09 5.000E-09 5.000E-09 5.000E-09 5.000E-09 5.000E-09
 ADSORBED      0.000E+00 0.000E+00 0.000E+00 8.000E-11 8.000E-11 8.000E-11 8.000E-
11 8.000E-11 8.000E-11 8.000E-11 8.000E-11 8.000E-11
 SOIL AIR      0.000E+00 0.000E+00 0.000E+00 1.734E-11 1.728E-11 1.724E-11 1.695E-
11 1.682E-11 1.669E-11 1.650E-11 1.650E-11 1.651E-11

        SOIL ZONE 2:

        SOIL ZONE 3:

        LOWER SOIL ZONE:


 POL DEP CM   5.984E+01 6.029E+01 6.098E+01 6.186E+01 6.245E+01 6.294E+01 6.322E+
01 6.329E+01 6.331E+01 6.332E+01 6.333E+01 6.337E+01
1                              YEAR -  17 ANNUAL SUMMARY REPORT
                               --------------------------------


          --- TOTAL  INPUTS (UG) ---


 UPPER SOIL ZONE                  0.000E+00
 SOIL ZONE 2                      0.000E+00
 SOIL ZONE 3                      0.000E+00
 LOWER SOIL ZONE                  0.000E+00


             --- HYDROLOGIC CYCLE COMPONENTS ---

 AVERAGE SOIL MOISTURE ZONE 1 (%)                      9.089
 AVERAGE SOIL MOISTURE BELOW ZONE 1 (%)                9.089
 TOTAL PRECIPITATION (CM)                             46.017
 TOTAL INFILTRATION (CM)                              45.467
 TOTAL EVAPOTRANSPIRATION (CM)                        25.356
 TOTAL SURFACE RUNOFF (CM)                             0.546
 TOTAL GRW RUNOFF (CM)                                20.110
 TOTAL MOISTURE RETENTION (CM)                         0.000
 TOTAL YIELD (CM)                                     20.461
0             --- POLLUTANT MASS DISTRIBUTION IN COLUMN (UG) --- NOTE: IF COMPONENT I
S ZERO EACH MONTH, IT IS NOT PRINTED
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[illegible] MASS IN SOIL MOIS., AIR, IN SOIL, SOIL AIR, IMMOBIL. CEC, COMPLEXED, AN
D FREE FRACT. FOR EACH SUBLAYER, SEE ABOVE (MONTH SEP)

UPPER SOIL ZONE:

SUBLAYER 1

TOTAL VOLATILIZED	2.231E+00
TOTAL DEGRADED (MOISTURE)	1.341E-01
TOTAL DEGRADED (SOIL)	1.594E+01

SUBLAYER 2

TOTAL DEGRADED (MOISTURE)	1.219E-03
TOTAL DEGRADED (SOIL)	1.494E-01

SUBLAYER 3

SUBLAYER 4

SOIL ZONE 2:

SUBLAYER 1

SOIL ZONE 3:

SUBLAYER 1

LOWER SOIL ZONE:

SUBLAYER 1

--- AVERAGE POLLUTANT CONCENTRATIONS --- NOTE: ONLY NON-ZERO VALUES ARE PRINTED ---

UPPER SOIL ZONE:

SUBLAYER 1

SOIL MOISTURE (UG/ML)	3.000E-10
ADSORBED SOIL (UG/G)	6.400E-09
SOIL AIR (UG/ML)	1.352E-09

SUBLAYER 2

SOIL MOISTURE (UG/ML)	7.500E-12
ADSORBED SOIL (UG/G)	6.000E-11
SOIL AIR (UG/ML)	1.265E-11

SOIL ZONE 2:

SOIL ZONE 3:

LOWER SOIL ZONE:

YEAR =18 MONTHLY RESULTS (OUTPUT)

- HYDROLOGIC CYCLE COMPONENTS ----

	OCT	NOV	DEC	JAN	FEB	MAR	APR
MAY	JUN	JUL	AUG	SEP			
MOIS. IN L1 (%)	7.605	9.837	12.333	13.245	11.829	10.293	8.9
97 7.701	7.221	6.885	6.573	6.549			
MOIS. BELOW L1 (%)	7.605	9.837	12.333	13.245	11.829	10.293	8.9
97 7.701	7.221	6.885	6.573	6.549			
PRECIPATTON (CM)	2.770	5.730	8.204	10.342	7.123	6.082	3.6
34 0.951	0.328	0.120	0.135	0.598			
NET INFILT. (CM)	2.657	5.680	8.128	10.215	7.072	6.056	3.6
19 0.946	0.298	0.106	0.124	0.566			
EVAPOTRANS. (CM)	1.910	3.016	1.412	1.841	3.983	5.417	3.8
46 1.700	0.634	0.411	0.463	0.722			
MOIS. RETEN (CM)	0.684	1.445	1.616	0.591	-0.917	-0.994	-0.6
39 -0.839	-0.311	-0.218	-0.202	-0.016			
SUR. RUNOFF (CM)	0.113	0.050	0.076	0.127	0.051	0.026	0.0
15 0.000	0.030	0.013	0.011	0.033			
GRW. RUNOFF (CM)	0.064	1.219	5.100	7.783	4.005	1.633	0.6
12 0.084	-0.025	-0.087	-0.137	-0.141			
YIELD (CM)	0.177	1.269	5.176	7.910	4.056	1.659	0.6
27 0.089	0.005	-0.074	-0.128	-0.108			
PAU/MPA (GZU)	0.996	0.997	0.993	0.998	1.006	1.000	1.0
04 0.990	1.059	1.087	1.123	0.997			
PA/MPA (GZ)	0.996	0.997	0.993	0.998	1.006	1.000	1.0
04 0.990	1.059	1.087	1.123	0.997			

---- POLLUTANT MASS INPUT TO COLUMN (L

	OCT	NOV	DEC	JAN	FEB	MAR	APR
MAY	JUN	JUL	AUG	SEP			
PRECIP.	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+
00 0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00			
LOAD UPPER	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+
00 0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00			
LOAD ZONE 2	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+
00 0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00			
LOAD ZONE 3	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+
00 0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00			
LOAD LOWER	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+

00 0.000E+00 0.000E+00 0.000E+00 0.000E+00 0.000E+00

0 --- POLLUTANT MASS DISTRIBUTION IN COLUMN (UG) NOTE: IF COMPONENT I
S ZERO EACH MONTH, IT IS NOT PRINTED

UPPER SOIL ZONE:

SUBLAYER 1

VOLATILIZED	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	1.113E+00	1.118E+00
DEGRAD MOIS	9.353E-03	1.210E-02	1.517E-02	1.629E-02	1.455E-02	1.266E-02	1.106E-02	9.471E-03	8.881E-03	8.467E-03	8.084E-03	8.054E-03
DEGRAD SOIL	1.328E+00	1.328E+00	1.328E+00	1.328E+00	1.328E+00	1.328E+00	1.328E+00	1.328E+00	1.328E+00	1.328E+00	1.328E+00	1.326E+00
IN SOIL MOI	3.118E-02	4.033E-02	5.056E-02	5.430E-02	4.849E-02	4.219E-02	3.688E-02	3.157E-02	2.960E-02	2.822E-02	2.695E-02	2.685E-02
ADS ON SOIL	4.427E+00	4.427E+00	4.427E+00	4.427E+00	4.427E+00	4.427E+00	4.427E+00	4.427E+00	4.427E+00	4.427E+00	4.427E+00	4.427E+00
IN SOIL AIR	1.127E-01	9.862E-02	8.207E-02	7.643E-02	8.619E-02	9.685E-02	1.043E-01	1.124E-01	1.148E-01	1.158E-01	1.179E-01	1.181E-01

SUBLAYER 2

DEGRAD MOIS	1.169E-04	1.512E-04	1.896E-04	2.036E-04	1.818E-04	1.582E-04	1.383E-04	1.184E-04	1.110E-04	1.058E-04	1.010E-04	1.007E-04
DEGRAD SOIL	1.660E-02	1.660E-02	1.660E-02	1.660E-02	1.660E-02	1.660E-02	1.660E-02	1.660E-02	1.660E-02	1.660E-02	1.660E-02	1.660E-02
IN SOIL MOI	3.897E-04	5.041E-04	6.320E-04	6.787E-04	6.061E-04	5.274E-04	4.610E-04	3.946E-04	3.700E-04	3.528E-04	3.368E-04	3.356E-04
ADS ON SOIL	5.534E-02	5.534E-02	5.534E-02	5.534E-02	5.534E-02	5.534E-02	5.534E-02	5.534E-02	5.534E-02	5.534E-02	5.534E-02	5.534E-02
IN SOIL AIR	1.409E-03	1.233E-03	1.026E-03	9.553E-04	1.077E-03	1.211E-03	1.303E-03	1.405E-03	1.435E-03	1.447E-03	1.474E-03	1.476E-03

SUBLAYER 3

SUBLAYER 4

SOIL ZONE 2:

SUBLAYER 1

SOIL ZONE 3:

SUBLAYER 1

LOWER SOIL ZONE:

SUBLAYER 1

- POLLUTANT CONCENTRATIONS (UG/ML) OR (UG/G) -- NOTE: IF CONCENTRATIONS A
RE ZERO FOR EACH MONTH, THEY ARE NOT PRINTED --

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        UPPER SOIL ZONE:

              SUBLAYER  1

 MOISTURE      8.000E-10 8.000E-10 8.000E-10 8.000E-10 8.000E-10 8.000E-10 8.000E-
10 8.000E-10 8.000E-10 8.000E-10 8.000E-10 8.000E-10
 %SOLUBILITY 4.000E-07 4.000E-07 4.000E-07 4.000E-07 4.000E-07 4.000E-07 4.000E-
07 4.000E-07 4.000E-07 4.000E-07 4.000E-07 4.000E-07
 ADSORBED      6.400E-09 6.400E-09 6.400E-09 6.400E-09 6.400E-09 6.400E-09 6.400E-
09 6.400E-09 6.400E-09 6.400E-09 6.400E-09 6.400E-09
 SOIL AIR      1.342E-09 1.359E-09 1.373E-09 1.387E-09 1.382E-09 1.379E-09 1.356E-
09 1.346E-09 1.335E-09 1.320E-09 1.320E-09 1.321E-09

              SUBLAYER  2

 MOISTURE      1.000E-11 1.000E-11 1.000E-11 1.000E-11 1.000E-11 1.000E-11 1.000E-
11 1.000E-11 1.000E-11 1.000E-11 1.000E-11 1.000E-11
 %SOLUBILITY 5.000E-09 5.000E-09 5.000E-09 5.000E-09 5.000E-09 5.000E-09 5.000E-
09 5.000E-09 5.000E-09 5.000E-09 5.000E-09 5.000E-09
 ADSORBED      8.000E-11 8.000E-11 8.000E-11 8.000E-11 8.000E-11 8.000E-11 8.000E-
11 8.000E-11 8.000E-11 8.000E-11 8.000E-11 8.000E-11
 SOIL AIR      1.677E-11 1.699E-11 1.716E-11 1.734E-11 1.728E-11 1.724E-11 1.695E-
11 1.682E-11 1.669E-11 1.650E-11 1.650E-11 1.651E-11

        SOIL ZONE 2:

        SOIL ZONE 3:

        LOWER SOIL ZONE:


 POL DEP CM   6.357E+01 6.402E+01 6.470E+01 6.559E+01 6.618E+01 6.666E+01 6.694E+
01 6.702E+01 6.704E+01 6.705E+01 6.705E+01 6.709E+01
1                              YEAR --  18 ANNUAL SUMMARY REPORT
                               ==================================


           -- TOTAL INPUTS (UG) ---


 UPPER SOIL ZONE                 0.000E+00
 SOIL ZONE 2                     0.000E+00
 SOIL ZONE 3                     0.000E+00
 LOWER SOIL ZONE                 0.000E+00


              --- HYDROLOGIC CYCLE COMPONENTS ---

 AVERAGE SOIL MOISTURE ZONE 1 (%)                    9.089
 AVERAGE SOIL MOISTURE BELOW ZONE 1 (%)              9.089
 TOTAL PRECIPITATION (CM)                           46.017
 TOTAL INFILTRATION (CM)                            45.467
 TOTAL EVAPOTRANSPIRATION (CM)                      25.356
 TOTAL SURFACE RUNOFF (CM)                           0.546
 TOTAL GRW RUNOFF (CM)                              20.110
 TOTAL MOISTURE RETENTION (CM)                       0.000
 TOTAL YIELD (CM)                                   20.661
0              - POLLUTANT MASS DISTRIBUTION IN COLUMN (UG) --- NOTE: IF COMPONENT I
S ZERO EACH MONTH, IT IS NOT PRINTED
               ------------------------------------------------------------------------
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 FOR FINAL MASS IN SOIL MOI., ADS. ON SOIL, SOIL AIR, IMMOBIL CEC, COMPLEXED, AN
D PURE PHASE FOR EACH SUBLAYER, SEE ABOVE (MONTH SEP)
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UPPER SOIL ZONE:

SUBLAYER 1

TOTAL VOLATILIZED	2.231E+00
TOTAL DEGRADED (MOISTURE)	1.341E-01
TOTAL DEGRADED (SOIL)	1.594E+01

SUBLAYER 2

TOTAL DEGRADED (MOISTURE)	1.677E-03
TOTAL DEGRADED (SOIL)	1.992E-01

SUBLAYER 3

SUBLAYER 4

SOIL ZONE 2:

SUBLAYER 1

SOIL ZONE 3:

SUBLAYER 1

LOWER SOIL ZONE:

SUBLAYER 1

1 --- AVERAGE POLLUTANT CONCENTRATIONS --- NOTE: ONLY NON-ZERO VALUES ARE PRINTED ---

UPPER SOIL ZONE:

SUBLAYER 1

SOIL MOISTURE (UG/ML)	8.000E-10
ADSORBED SOIL (UG/G)	6.400E-09
SOIL AIR (UG/ML)	1.352E-09

SUBLAYER 2

SOIL MOISTURE (UG/ML)	1.000E-11
ADSORBED SOIL (UG/G)	8.000E-11
SOIL AIR (UG/ML)	1.690E-11

SOIL ZONE 2:

SOIL ZONE 3:

LOWER SOIL ZONE:

MAX. POLL. DEPTH (M)	6.70VE-01

YEAR [illegible] MONTHLY RESULTS (OUTPUT)

--- HYDROLOGIC CYCLE COMPONENTS ---

	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
MOIS. IN L1 (%)	7.605	9.837	12.333	13.245	11.829	10.293	8.9	97	7.701	7.221	6.885	6.573	6.549
MOIS. BELOW L1 (%)	7.605	9.837	12.333	13.245	11.029	10.293	8.9	97	7.701	7.221	6.885	6.573	6.549
PRECIPITATION (CM)	2.770	5.730	8.204	10.342	7.123	6.082	3.6	34	0.951	0.329	0.120	0.135	0.596
NET INFIL. (CM)	2.657	5.600	8.128	10.215	7.072	6.056	3.6	19	0.946	0.298	0.106	0.124	0.566
EVAPOTRANS. (CM)	1.910	3.016	1.412	1.841	3.983	5.417	3.8	46	1.700	0.634	0.411	0.463	0.722
MOIS. RETEN (CM)	0.684	1.445	1.616	0.591	-0.917	-0.994	-0.8	39	-0.939	-0.311	-0.218	-0.202	-0.016
SUR. RUNOFF (CM)	0.113	0.050	0.076	0.127	0.051	0.026	0.0	15	0.000	0.030	0.013	0.011	0.033
GRW. RUNOFF (CM)	0.064	1.219	5.100	7.783	4.005	1.633	0.6	12	0.084	-0.025	-0.087	-0.137	-0.141
YIELD (CM)	0.177	1.269	5.176	7.910	4.056	1.659	0.6	27	0.089	0.005	-0.074	-0.126	-0.108
PAU/PPA (GZU)	0.996	0.997	0.993	0.998	1.006	1.000	1.0	04	0.990	1.059	1.087	1.123	0.997
PA/PPA (GZ)	0.996	0.997	0.993	0.998	1.006	1.000	1.0	04	0.990	1.059	1.087	1.123	0.997

--- POLLUTANT MASS INPUT TO COLUMN (U
G) ---

	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
PRECIP.	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+	00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
LOAD UPPER	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+	00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
LOAD ZONE 2	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+	00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
LOAD ZONE 3	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+	00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
LOAD LOWER	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+	00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
TOTAL INPUT	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+	00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00

UPPER SOIL ZONE:

SUBLAYER 1

VOLATILIZED 0.000E+00 0.000E+00 0.000E+00 0.000E+00 0.000E+00 0.000E+00 0.000E+00 0.000E+00 0.000E+00 0.000E+00 1.113E+00 1.118E+00
DEGRAD MOIS 9.353E-03 1.210E-02 1.517E-02 1.629E-02 1.453E-02 1.266E-02 1.106E-02 9.471E-03 8.881E-03 8.467E-03 8.084E-03 8.054E-03
DEGRAD SOIL 1.328E+00 1.328E+00 1.328E+00 1.328E+00 1.328E+00 1.328E+00 1.328E+00 1.328E+00 1.328E+00 1.328E+00 1.328E+00 1.328E+00
IN SOIL MOI 3.118E-02 4.033E-02 5.056E-02 5.430E-02 4.849E-02 4.219E-02 3.688E-02 3.157E-02 2.960E-02 2.822E-02 2.695E-02 2.685E-02
ADS ON SOIL 4.427E+00 4.427E+00 4.427E+00 4.427E+00 4.427E+00 4.427E+00 4.427E+00 4.427E+00 4.427E+00 4.427E+00 4.427E+00 4.427E+00
IN SOIL AIR 1.127E-01 9.862E-02 8.207E-02 7.643E-02 8.619E-02 9.685E-02 1.042E-01 1.124E-01 1.148E-01 1.158E-01 1.179E-01 1.181E-01

SUBLAYER 2

DEGRAD MOIS 1.169E-04 1.512E-04 1.896E-04 2.036E-04 1.818E-04 1.582E-04 1.383E-04 1.184E-04 1.110E-04 1.058E-04 1.010E-04 1.007E-04
DEGRAD SOIL 1.660E-02 1.660E-02 1.660E-02 1.660E-02 1.660E-02 1.660E-02 1.660E-02 1.660E-02 1.660E-02 1.660E-02 1.660E-02 1.660E-02
IN SOIL MOI 3.897E-04 5.041E-04 6.320E-04 6.787E-04 6.061E-04 5.274E-04 4.610E-04 3.946E-04 3.709E-04 3.528E-04 3.368E-04 3.356E-04
ADS ON SOIL 5.534E-02 5.534E-02 5.534E-02 5.534E-02 5.534E-02 5.534E-02 5.534E-02 5.534E-02 5.534E-02 5.534E-02 5.534E-02 5.534E-02
IN SOIL AIR 1.409E-03 1.233E-03 1.026E-03 9.553E-04 1.077E-03 1.211E-03 1.303E-03 1.405E-03 1.435E-03 1.447E-03 1.474E-03 1.476E-03

SUBLAYER 3

SUBLAYER 4

SOIL ZONE 2:

SUBLAYER 1

SOIL ZONE 3:

SUBLAYER 1

LOWER SOIL ZONE:

SUBLAYER 1

- POLLUTANT CONCENTRATIONS (UG/ML) OR (UG/G) -- NOTE: IF CONCENTRATIONS ARE ZERO FOR EACH MONTH, THEY ARE NOT PRINTED --

UPPER SOIL ZONE:

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 MOISTURE      8.000E-10 8.000E-10 8.000E-10 8.000E-10 8.000E-10 8.000E-10 8.000E-10 8.000E-10 8.000E-
10 8.000E-10 8.000E-10 8.000E-10 8.000E-10 8.000E-10 8.000E-10
 %SOLUBILITY 4.000E-07 4.000E-07 4.000E-07 4.000E-07 4.000E-07 4.000E-07 4.000E-07 4.000E-07 4.000E-
07 4.000E-07 4.000E-07 4.000E-07 4.000E-07 4.000E-07 4.000E-07
 ADSORBED     6.400E-09 6.400E-09 6.400E-09 6.400E-09 6.400E-09 6.400E-09 6.400E-09 6.400E-09 6.400E-
09 6.400E-09 6.400E-09 6.400E-09 6.400E-09 6.400E-09 6.400E-09
 SOIL AIR     1.342E-09 1.359E-09 1.373E-09 1.387E-09 1.382E-09 1.379E-09 1.356E-
09 1.346E-09 1.335E-09 1.320E-09 1.320E-09 1.321E-09

            SUBLAYER  2

 MOISTURE      1.000E-11 1.000E-11 1.000E-11 1.000E-11 1.000E-11 1.000E-11 1.000E-11 1.000E-11 1.000E-
11 1.000E-11 1.000E-11 1.000E-11 1.000E-11 1.000E-11 1.000E-11
 %SOLUBILITY 5.000E-09 5.000E-09 5.000E-09 5.000E-09 5.000E-09 5.000E-09 5.000E-09 5.000E-09 5.000E-
09 5.000E-09 5.000E-09 5.000E-09 5.000E-09 5.000E-09 5.000E-09
 ADSORBED     8.000E-11 8.000E-11 8.000E-11 8.000E-11 8.000E-11 8.000E-11 8.000E-11 8.000E-11 8.000E-
11 8.000E-11 8.000E-11 8.000E-11 8.000E-11 8.000E-11 8.000E-11
 SOIL AIR     1.672E-11 1.699E-11 1.714E-11 1.734E-11 1.728E-11 1.724E-11 1.695E-
11 1.682E-11 1.668E-11 1.650E-11 1.650E-11 1.651E-11

      SOIL ZONE 2:

      SOIL ZONE 3:

      LOWER SOIL ZONE:


 PUL. OUT CM  6.730E+01 6.774E+01 6.843E+01 6.932E+01 6.991E+01 7.032E+01 7.067E+
01 7.074E+01 7.077E+01 7.077E+01 7.078E+01 7.082E+01
1                              YEAR =  19 ANNUAL SUMMARY REPORT


          -- TOTAL INPUTS (UG) --


 UPPER SOIL ZONE                0.000E+00
 SOIL ZONE 2                    0.000E+00
 SOIL ZONE 3                    0.000E+00
 LOWER SOIL ZONE                0.000E+00


          ---- HYDROLOGIC CYCLE COMPONENTS ----

 AVERAGE SOIL MOISTURE ZONE 1 (%)                    9.089
 AVERAGE SOIL MOISTURE BELOW ZONE 1 (%)              9.089
 TOTAL PRECIPITATION (CM)                           46.017
 TOTAL INFILTRATION (CM)                            45.467
 TOTAL EVAPOTRANSPIRATION (CM)                      25.356
 TOTAL SURFACE RUNOFF (CM)                           0.546
 TOTAL GRW RUNOFF (CM)                              20.110
 TOTAL MOISTURE RETENTION (CM)                       0.000
 TOTAL YIELD (CM)                                   20.661
0              -- POLLUTANT MASS DISTRIBUTION IN COLUMN (UG) --- NOTE: IF COMPONENT I
S ZERO EACH MONTH, IT IS NOT PRINTED

FOR FINAL MASS IN SOIL MOI,, ADS,, ON SOIL,, SOIL AIR,, IMMOBIL CEC,, COMPLEXED,, AN
D PURE PHASE FOR EACH SUBLAYER,, SEE ABOVE (MONTH SEP)
```

SUBLAYER 1

TOTAL VOLATILIZED 2.251E+00
TOTAL DEGRADED (MOISTURE) 1.341E-01
TOTAL DEGRADED (SOIL) 1.594E+01

SUBLAYER 2

TOTAL DEGRADED (MOISTURE) 1.677E-03
TOTAL DEGRADED (SOIL) 1.992E-01

SUBLAYER 3

SUBLAYER 4

SOIL ZONE 2:

SUBLAYER 1

SOIL ZONE 3:

SUBLAYER 1

LOWER SOIL ZONE:

SUBLAYER 1

--- AVERAGE POLLUTANT CONCENTRATIONS --- NOTE: ONLY NON-ZERO VALUES ARE PRINTED ---

UPPER SOIL ZONE:

SUBLAYER 1

SOIL MOISTURE (UG/ML) 8.000E-10
ADSORBED SOIL (UG/G) 6.400E-09
SOIL AIR (UG/ML) 1.352E-09

SUBLAYER 2

SOIL MOISTURE (UG/ML) 1.000E-11
ADSORBED SOIL (UG/G) 8.000E-11
SOIL AIR (UG/ML) 1.690E-11

SOIL ZONE 2:

SOIL ZONE 3:

LOWER SOIL ZONE:

MAX. POLL. DEPTH (M) 7.082E-01

-- HYDROLOGIC CYCLE COMPONENTS --

	MAY	JUN	OCT JUL	NOV AUG	DEC SEP	JAN	FEB	MAR	APR
MOIS. IN L1 (%)			7.605	9.837	12.333	13.245	11.829	10.293	8.9
97	7.701	7.221	6.885	6.573	6.549				
MOIS. BELOW L1 (%)			7.605	9.837	12.333	13.245	11.829	10.293	8.9
97	7.701	7.221	6.885	6.573	6.549				
PRECIPITATION (CM)			2.779	5.730	8.204	10.348	7.123	6.092	3.6
34	0.951	0.628	0.129	0.135	0.598				
NET INFILT. (CM)			2.657	5.689	8.128	10.213	7.072	6.056	3.6
19	0.946	0.298	0.106	0.124	0.566				
EVAPOTRANS. (CM)			1.910	3.016	1.812	1.841	3.983	5.417	3.8
46	1.700	0.634	0.411	0.463	0.722				
MOIS. RETEN (CM)			0.684	1.445	1.616	0.591	-0.917	-0.994	-0.8
39	-0.839	-0.311	-0.218	-0.202	-0.016				
SUR. RUNOFF (CM)			0.113	0.050	0.076	0.127	0.051	0.026	0.0
15	0.000	0.030	0.015	0.011	0.033				
GRW. RUNOFF (CM)			0.064	1.319	5.100	7.783	4.005	1.633	0.4
12	0.084	-0.025	-0.087	-0.137	-0.141				
YIELD (CM)			0.177	1.269	5.176	7.910	4.056	1.659	0.6
27	0.089	0.005	-0.074	-0.126	-0.108				
PAU/MPA (GZU)			0.996	0.997	0.993	0.998	1.006	1.000	1.0
04	0.990	1.059	1.087	1.123	0.997				
PA/MPA (GZ)			0.996	0.997	0.993	0.998	1.006	1.000	1.0
04	0.990	1.059	1.087	1.123	0.997				

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G) --

--- POLLUTANT MASS INPUT TO COLUMN (L

--- --

	MAY	JUN	OCT JUL	NOV AUG	DEC SEP	JAN	FEB	MAR	APR
PRECIP.	0.000E+00		0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+
00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00				
LOAD UPPER	0.000E+00		0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+
00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00				
LOAD ZONE 2	0.000E+00		0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+
00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00				
LOAD ZONE 3	0.000E+00		0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+
00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00				
LOAD LOWER	0.000E+00		0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+
00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00				
TOTAL INPUT	0.000E+00		0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+
00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00				

0 -- POLLUTANT MASS DISTRIBUTION IN COLUMN (UG) --- NOTE: IF COMPONENT 1
S ZERO EACH MONTH, IT IS NOT PRINTED.

UPPER SOIL ZONE:

SUBLAYER 1

VOLATILIZD 0.000E+00 0.000E+00 0.000E+00 0.000E+00 0.000E+00 0.000E+00 0.000E+00 0.000E+00 0.000E+00 0.000E+00 0.000E+00 0.000E+00 1.113E+00 1.118E+00
DEGRAD MOIS 9.353E-03 1.210E-02 1.517E-02 1.629E-02 1.455E-02 1.266E-02 1.106E-02 9.471E-03 8.381E-03 8.467E-03 8.084E-03 8.054E-03
DEGRAD SOIL 1.328E+00 1.328E+00 1.328E+00 1.328E+00 1.328E+00 1.328E+00 1.328E+00 1.328E+00 1.328E+00 1.328E+00 1.328E+00 1.328E+00 1.328E+00
IN SOIL MOI 3.118E-02 4.033E-02 5.056E-02 5.430E-02 4.849E-02 4.219E-02 3.688E-02 3.157E-02 2.960E-02 2.822E-02 2.695E-02 2.685E-02
ADS ON SOIL 4.427E+00 4.427E+00 4.427E+00 4.427E+00 4.427E+00 4.427E+00 4.427E+00 4.427E+00 4.427E+00 4.427E+00 4.427E+00 4.427E+00 4.427E+00
IN SOIL AIR 1.127E-01 9.862E-02 8.207E-02 7.643E-02 8.619E-02 9.685E-02 1.042E-01 1.124E-01 1.148E-01 1.158E-01 1.179E-01 1.181E-01

SUBLAYER 2

DEGRAD MOIS 1.169E-04 1.512E-04 1.896E-04 2.036E-04 1.818E-04 1.582E-04 1.383E-04 1.184E-04 1.110E-04 1.058E-04 1.010E-04 1.007E-04
DEGRAD SOIL 1.660E-02 1.660E-02 1.660E-02 1.660E-02 1.660E-02 1.660E-02 1.660E-02 1.660E-02 1.660E-02 1.660E-02 1.660E-02 1.660E-02 1.660E-02
IN SOIL MOI 3.897E-04 5.041E-04 6.320E-04 6.787E-04 6.061E-04 5.274E-04 4.610E-04 3.946E-04 3.700E-04 3.528E-04 3.368E-04 3.356E-04
ADS ON SOIL 5.534E-02 5.534E-02 5.534E-02 5.534E-02 5.534E-02 5.534E-02 5.534E-02 5.534E-02 5.534E-02 5.534E-02 5.534E-02 5.534E-02 5.534E-02
IN SOIL AIR 1.409E-03 1.233E-03 1.026E-03 9.553E-04 1.077E-03 1.211E-03 1.303E-03 1.405E-03 1.435E-03 1.447E-03 1.474E-03 1.476E-03

SUBLAYER 3

SUBLAYER 4

SOIL ZONE 2:

SUBLAYER 1

SOIL ZONE 3:

SUBLAYER 1

LOWER SOIL ZONE:

SUBLAYER 1

- POLLUTANT CONCENTRATIONS (UG/ML) OR (UG/G) --- NOTE: IF CONCENTRATIONS A
RE ZERO FOR EACH MONTH, THEY ARE NOT PRINTED - -

UPPER SOIL ZONE:

SUBLAYER 1

MOISTURE 3.000E-10 3.000E-10 3.000E-10 3.000E-10 3.000E-10 3.000E-10 3.000E-10 3.000E-10 3.000E-10 3.000E-10 3.000E-10 3.000E-10 3.000E-10

07 6.000E-07 4.000E-07 4.000E-07 4.000E-07
ADSORBED 5.400E-09 6.400E-09 6.400E-09 6.400E-09 6.400E-09 6.400E-09 6.400E-09 6.400E-09 6.400E-09 6.400E-09 6.400E-09 6.400E-09
SOIL AIR 1.342E-09 1.359E-09 1.373E-09 1.387E-09 1.382E-09 1.379E-09 1.376E-09 1.364E-09 1.335E-09 1.320E-09 1.320E-09 1.321E-09

SUBLAYER 2

MOISTURE 1.000E-11 1.000E-11 1.000E-11 1.000E-11 1.000E-11 1.000E-11 1.000E-11 1.000E-11 1.000E-11 1.000E-11 1.000E-11 1.000E-11
%SOLUBILITY 5.000E-09 5.000E-09 5.000E-09 5.000E-09 5.000E-09 5.000E-09 5.000E-09 5.000E-09 5.000E-09 5.000E-09 5.000E-09 5.000E-09
ADSORBED 8.000E-11 8.000E-11 8.000E-11 8.000E-11 8.000E-11 8.000E-11 8.000E-11 8.000E-11 8.000E-11 8.000E-11 8.000E-11 8.000E-11
SOIL AIR 1.677E-11 1.699E-11 1.716E-11 1.734E-11 1.728E-11 1.724E-11 1.695E-11 1.682E-11 1.669E-11 1.650E-11 1.650E-11 1.651E-11

SOIL ZONE 2:

SOIL ZONE 3:

LOWER SOIL ZONE:

POL DEP CN 7.102E+01 7.147E+01 7.216E+01 7.304E+01 7.363E+01 7.412E+01 7.440E+01 7.447E+01 7.449E+01 7.450E+01 7.451E+01 7.455E+01

--- TOTAL INPUTS (UG) ---

UPPER SOIL ZONE	0.000E+00
SOIL ZONE 2	0.000E+00
SOIL ZONE 3	0.000E+00
LOWER SOIL ZONE	0.000E+00

--- HYDROLOGIC CYCLE COMPONENTS ---

AVERAGE SOIL MOISTURE ZONE 1 (%)	9.089
AVERAGE SOIL MOISTURE BELOW ZONE 1 (%)	9.089
TOTAL PRECIPITATION (CM)	46.017
TOTAL INFILTRATION (CM)	45.467
TOTAL EVAPOTRANSPIRATION (CM)	25.356
TOTAL SURFACE RUNOFF (CM)	0.546
TOTAL GPW RUNOFF (CM)	20.110
TOTAL MOISTURE RETENTION (CM)	0.000
TOTAL YIELD (CM)	20.661

0 --- POLLUTANT MASS DISTRIBUTION IN COLUMN (UG) --- NOTE: IF COMPONENT I
S ZERO EACH MONTH, IT IS NOT PRINTED

FOR FINAL MASS IN SOIL MOT., ADS. ON SOIL, SOIL AIR, IMMOBIL CEC, COMPLEXED, AN
D PURE PHASE FOR EACH SUBLAYER, SEE ABOVE (MONTH SEP)

UPPER SOIL ZONE:

SUBLAYER 1

TOTAL DEGRADED (SOIL) 1.594E+01

SUBLAYER 2

TOTAL DEGRADED (MOISTURE) 1.672E-03
TOTAL DEGRADED (SOIL) 3.992E-01

SUBLAYER 3

SUBLAYER 4

SOIL ZONE 2:

SUBLAYER 1

SOIL ZONE 3:

SUBLAYER 1

LOWER SOIL ZONE:

SUBLAYER 1

1 -- AVERAGE POLLUTANT CONCENTRATIONS --- NOTE: ONLY NON-ZERO VALUES ARE PRINTED ---

UPPER SOIL ZONE:

SUBLAYER 1

SOIL MOISTURE (UG/ML) 8.000E-10
ADSORBED SOIL (UG/G) 6.400E-09
SOIL AIR (UG/ML) 1.352E-09

SUBLAYER 2

SOIL MOISTURE (UG/ML) 1.000E-11
ADSORBED SOIL (UG/G) 8.000E-11
SOIL AIR (UG/ML) 1.690E-11

SOIL ZONE 2:

SOIL ZONE 3:

LOWER SOIL ZONE:

MAX. POOL DEPTH (M) 7.455E-01

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YEAR --01 MONTHLY RESULTS (OUTPUT)

--- HYDROLOGIC CYCLE COMPONENTS ---

	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	JAN	FEB	MAR	APR
MOIS. IN L1 (%)			7.605	9.837	12.333	13.245	11.829	10.293	8.9			
97	7.701	7.221	6.885	6.573	6.549							
MOIS. BELOW L1 (%)			7.605	9.837	12.333	13.245	11.829	10.293	8.9			
97	7.701	7.221	6.885	6.573	6.549							
PRECIPATTON (CM)			2.770	5.730	8.204	10.342	7.123	6.082	3.6			
34	0.951	0.328	0.120	0.135	0.598							
NET INFILT. (CM)			2.657	5.680	8.128	10.215	7.072	6.056	3.6			
1?	0.944	0.298	0.106	0.124	0.566							
EVAPOTRANS. (CM)			1.910	3.016	1.412	1.841	3.983	5.417	3.8			
46	1.700	0.634	0.411	0.463	0.722							
MOIS. RETEN (CM)			0.684	1.445	1.616	0.591	-0.917	-0.994	-0.8			
39	0.839	-0.311	-0.218	-0.202	-0.016							
SUR. RUNOFF (CM)			0.113	0.050	0.076	0.127	0.051	0.026	0.0			
15	0.000	0.030	0.013	0.011	0.033							
GRVL. RUNOFF (CM)			0.064	1.219	5.100	7.783	4.005	1.633	0.6			
12	0.084	-0.025	-0.087	-0.137	-0.141							
YIELD (CM)			0.177	1.269	5.176	7.910	4.056	1.659	0.6			
27	0.089	0.005	-0.074	-0.126	-0.108							
PAU/PEA (GZU)			0.996	0.997	0.993	0.998	1.006	1.000	1.0			
04	0.990	1.059	1.087	1.123	0.997							
PA/PEA (GZ)			0.996	0.997	0.993	0.998	1.006	1.000	1.0			
04	0.990	1.059	1.087	1.123	0.997							

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G) ---

--- POLLUTANT MASS INPUT TO COLUMN (U

	MAY	JUN	OCT JUL	NOV AUG	DEC SEP	JAN	FEB	MAR	APR
PRECIP.	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+
00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00				
LOAD UPPER	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+
00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00				
LOAD ZONE 2	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+
00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00				
LOAD ZONE 3	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+
00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00				
LOAD LOWER	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+
00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00				
TOTAL INPUT	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+
00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00				

O POLLUTANT MASS DISTRIBUTION IN COLUMN (UG) --- NOTE: IF COMPONENT I
S ZERO FOR A MONTH, IT IS NOT PRINTED

UPPER SOIL ZONE =

POLATILIZ 0.000E+00 0.000E+00 0.000E+00 0.000E+00 0.000E+00 0.000E+00 0.000E+00 0.000E+00 0.000E+00 0.000E+00 0.000E+00 0.000E+00 1.113E+00 1.118E+00

DEGRAD MOIS 9.353E-03 1.210E-02 1.517E-02 1.629E-02 1.455E-02 1.246E-02 1.104E-02 9.471E-03 8.881E-03 8.467E-03 8.084E-03 8.054E-03

DEGRAD SOIL 1.328E+00 1.328E+00 1.328E+00 1.328E+00 1.328E+00 1.328E+00 1.328E+00 1.328E+00 1.328E+00 1.328E+00 1.328E+00 1.328E+00

IN SOIL MOI 3.118E-02 4.033E-02 5.056E-02 5.430E-02 4.849E-02 4.219E-02 3.688E-02 3.137E-02 2.940E-02 2.822E-02 2.695E-02 2.685E-02

ADS ON SOIL 4.427E+00 4.427E+00 4.427E+00 4.427E+00 4.427E+00 4.427E+00 4.427E+00 4.427E+00 4.427E+00 4.427E+00 4.427E+00 4.427E+00

IN SOIL AIR 1.127E-01 9.862E-02 8.207E-02 7.643E-02 8.619E-02 9.605E-02 1.042E-01 1.124E-01 1.148E-01 1.158E-01 1.179E-01 1.181E-01

SUBLAYER 2

DEGRAD MOIS 1.169E-04 1.512E-04 1.896E-04 2.036E-04 1.818E-04 1.582E-04 1.383E-04 1.184E-04 1.110E-04 1.058E-04 1.010E-04 1.007E-04

DEGRAD SOIL 1.660E-02 1.660E-02 1.660E-02 1.660E-02 1.660E-02 1.660E-02 1.660E-02 1.660E-02 1.660E-02 1.660E-02 1.660E-02 1.660E-02

IN SOIL MOI 3.897E-04 5.041E-04 6.320E-04 6.787E-04 6.061E-04 5.274E-04 4.610E-04 3.946E-04 3.700E-04 3.528E-04 3.368E-04 3.356E-04

ADS ON SOIL 5.534E-02 5.534E-02 5.534E-02 5.534E-02 5.534E-02 5.534E-02 5.534E-02 5.534E-02 5.534E-02 5.534E-02 5.534E-02 5.534E-02

IN SOIL AIR 1.409E-03 1.233E-03 1.026E-03 9.553E-04 1.077E-03 1.211E-03 1.303E-03 1.405E-03 1.435E-03 1.447E-03 1.474E-03 1.476E-03

SUBLAYER 3

SUBLAYER 4

SOIL ZONE 2:

SUBLAYER 1

SOIL ZONE 3:

SUBLAYER 1

LOWER SOIL ZONE:

SUBLAYER 1

-- POLLUTANT CONCENTRATIONS (UG/ML) OR (UG/G) -- NOTE: IF CONCENTRATIONS ARE ZERO FOR EACH MONTH, THEY ARE NOT PRINTED --

UPPER SOIL ZONE:

SUBLAYER 1

MOISTURE 8.000E-10 8.000E-10 8.000E-10 8.000E-10 8.000E-10 8.000E-10 8.000E-10 8.000E-10 8.000E-10 8.000E-10 8.000E-10 8.000E-10

SOLUBILITY 4.000E-07 4.000E-07 4.000E-07 4.000E-07 4.000E-07 4.000E-07 4.000E-07 4.000E-07 4.000E-07 4.000E-07 4.000E-07 4.000E-07

SORBED 6.400E-09 6.400E-09 6.400E-09 6.400E-09 6.400E-09 6.400E-09 6.400E-09 6.400E-09 6.400E-09 6.400E-09 6.400E-09 6.400E-09

09 1.346E-09 1.335E-09 1.320E-09 1.312E-09 1.321E-09

SUBLAYER 2

MOISTURE 1.000E-11 1.000E-11 1.000E-11 1.000E-11 1.000E-11 1.000E-11 1.000E-11 1.000E-11 1.000E-11 1.000E-11
%SOLUBILITY 5.000E-09 5.000E-09 5.000E-09 5.000E-09 5.000E-09 5.000E-09 5.000E-09 5.000E-09 5.000E-09 5.000E-09
ADSORBED 8.000E-11 8.000E-11 8.000E-11 8.000E-11 8.000E-11 8.000E-11 8.000E-11 8.000E-11 8.000E-11 8.000E-11
SOIL AIR 1.677E-11 1.699E-11 1.716E-11 1.734E-11 1.728E-11 1.724E-11 1.695E-11 1.692E-11 1.669E-11 1.650E-11

1.650E-11 1.651E-11

SOIL ZONE 2:

SOIL ZONE 3:

LOWER SOIL ZONE:

POL DEP CM 7.475E+01 7.520E+01 7.588E+01 7.677E+01 7.736E+01 7.784E+01 7.812E+01 7.820E+01 7.822E+01 7.823E+01 7.823E+01 7.827E+01

--- TOTAL INPUTS (UG) ---

UPPER SOIL ZONE	0.000E+00
SOIL ZONE 2	0.000E+00
SOIL ZONE 3	0.000E+00
LOWER SOIL ZONE	0.000E+00

--- HYDROLOGIC CYCLE COMPONENTS ---

AVERAGE SOIL MOISTURE ZONE 1 (%)	9.089
AVERAGE SOIL MOISTURE BELOW ZONE 1 (%)	9.089
TOTAL PRECIPITATION (CM)	46.017
TOTAL INFILTRATION (CM)	45.467
TOTAL EVAPOTRANSPIRATION (CM)	25.356
TOTAL SURFACE RUNOFF (CM)	0.546
TOTAL GRW RUNOFF (CM)	20.110
TOTAL MOISTURE RETENTION (CM)	0.000
TOTAL YIELD (CM)	20.661

0 --- POLLUTANT MASS DISTRIBUTION IN COLUMN (UG) --- NOTE: IF COMPONENT IS ZERO EACH MONTH, IT IS NOT PRINTED

FOR FINAL MASS IN SOIL MOI., ADS. ON SOIL, SOIL AIR, IMMOBIL CEC, COMPLEXED, AND PURE PHASE FOR EACH SUBLAYER, SEE ABOVE (MONTH SEP)

UPPER SOIL ZONE:

SUBLAYER 1

TOTAL VOLATILIZED	2.231E+00
TOTAL DEGRADED (MOISTURE)	1.341E-01
TOTAL DEGRADED (SOIL)	1.594E+01

TOTAL DEGRADED (MOISTURE) 1.497E-03
TOTAL DEGRADED (SOIL) 1.992E-01

SUBLAYER 3

SUBLAYER 4

SOIL ZONE 2:

SUBLAYER 1

SOIL ZONE 3:

SUBLAYER 1

LOWER SOIL ZONE:

SUBLAYER 1

1 --- AVERAGE POLLUTANT CONCENTRATIONS --- NOTE: ONLY NON-ZERO VALUES ARE PRINTED ---

UPPER SOIL ZONE:

SUBLAYER 1

SOIL MOISTURE (UG/ML) 8.000E-10
ADSORBED SOIL (UG/G) 6.400E-09
SOIL AIR (UG/ML) 1.352E-09

SUBLAYER 2

SOIL MOISTURE (UG/ML) 1.000E-11
ADSORBED SOIL (UG/G) 8.000E-11
SOIL AIR (UG/ML) 1.690E-11

SOIL ZONE 2:

SOIL ZONE 3:

LOWER SOIL ZONE:

MAX. POLL. DEPTH (M) 7.827E-01

1

YEAR -22 MONTHLY RESULTS (OUTPUT)

	MAY	JUN	OCT JUL	NOV AUG	DEC SEP	JAN	FEB	MAR	APR
MOIS. IN LI (%)			7.605	9.837	12.333	13.245	11.829	10.293	8.9
97	7.701	7.221	6.885	6.573	6.549				
MOIS. BELOW LI (%)			7.605	9.837	12.333	13.245	11.829	10.293	8.9
97	7.701	7.221	6.885	6.573	6.549				
PRECIPATION (CM)			2.770	5.730	8.204	10.342	7.123	6.082	3.6
34	0.951	0.328	0.120	0.135	0.598				
NET INFILT. (CM)			2.657	5.680	8.128	10.215	7.072	6.056	3.6
19	0.946	0.298	0.106	0.124	0.566				
EVAPOTRANS. (CM)			1.910	3.016	1.412	1.841	3.983	5.417	3.8
46	1.700	0.634	0.411	0.463	0.722				
MOIS. RETEN (CM)			0.684	1.445	1.616	0.591	-0.917	-0.994	-0.8
39	-0.839	-0.311	-0.218	-0.202	-0.016				
SUR. RUNOFF (CM)			0.113	0.050	0.076	0.127	0.051	0.026	0.0
15	0.000	0.030	0.013	0.011	0.033				
GRW. RUNOFF (CM)			0.064	1.219	5.100	7.783	4.005	1.633	0.6
12	0.084	-0.025	-0.087	-0.137	-0.141				
YIELD (CM)			0.177	1.269	5.176	7.910	4.056	1.659	0.6
27	0.089	0.005	-0.074	-0.126	-0.108				
PAU/MPA (GZU)			0.996	0.997	0.993	0.998	1.006	1.000	1.0
04	0.990	1.059	1.087	1.123	0.997				
PA/MPA (GZ)			0.996	0.997	0.993	0.998	1.006	1.000	1.0
04	0.990	1.059	1.087	1.123	0.997				

1
G) --

--- POLLUTANT MASS INPUT TO COLUMN (L

	MAY	OCT JUN	NOV JUL	DEC AUG	JAN SEP	FEB	MAR	APR
PRECIP.	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+
00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00			
LOAD UPPER	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+
00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00			
LOAD ZONE 2	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+
00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00			
LOAD ZONE 3	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+
00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00			
LOAD LOWER	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+
00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00			
TOTAL INPUT	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+
00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00			

0 -- POLLUTANT MASS DISTRIBUTION IN COLUMN (UG) --- NOTE: IF COMPONENT I
S ZERO EACH MONTH, IT IS NOT PRINTED

UPPER SOIL ZONE:

SUBLAYER 1

VOLATILIZTO	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+
00	0.000E+00	0.000E+00	0.000E+00	1.113E+00	1.110E+00		

DEGRAD SOIL 1.328E+00 1.328E+00 1.328E+00 1.328E+00 1.328E+00 1.328E+00 1.328E+00 1.328E+00 1.328E+00 1.328E+00 1.328E+00 1.328E+00

IN SOIL MOI 3.138E-02 4.033E-02 5.056E-02 5.430E-02 4.849E-02 4.219E-02 3.688E-02 3.157E-02 2.960E-02 2.822E-02 2.695E-02 2.605E-02

ADS ON SOIL 4.427E+00 4.427E+00 4.427E+00 4.427E+00 4.427E+00 4.427E+00 4.427E+00 4.427E+00 4.427E+00 4.427E+00 4.427E+00 4.427E+00

IN SOIL AIR 1.177E-01 9.862E-02 8.207E-02 7.643E-02 8.619E-02 9.685E-02 1.042E-01 1.124E-01 1.148E-01 1.158E-01 1.179E-01 1.181E-01

SUBLAYER 2

DEGRAD MOIS 1.169E-04 1.512E-04 1.896E-04 2.036E-04 1.818E-04 1.582E-04 1.383E-04 1.184E-04 1.110E-04 1.058E-04 1.010E-04 1.007E-04

DEGRAD SOIL 1.660E-02 1.660E-02 1.660E-02 1.660E-02 1.660E-02 1.660E-02 1.660E-02 1.660E-02 1.660E-02 1.660E-02 1.660E-02 1.660E-02

IN SOIL MOI 3.897E-04 5.041E-04 6.320E-04 6.787E-04 6.061E-04 5.274E-04 4.610E-04 3.946E-04 3.700E-04 3.528E-04 3.368E-04 3.356E-04

ADS ON SOIL 5.534E-02 5.534E-02 5.534E-02 5.534E-02 5.534E-02 5.534E-02 5.534E-02 5.534E-02 5.534E-02 5.534E-02 5.534E-02 5.534E-02

IN SOIL AIR 1.409E-03 1.233E-03 1.026E-03 9.553E-04 1.077E-03 1.211E-03 1.303E-03 1.405E-03 1.435E-03 1.447E-03 1.474E-03 1.476E-03

SUBLAYER 3

SUBLAYER 4

SOIL ZONE 2:

SUBLAYER 1

SOIL ZONE 3:

SUBLAYER 1

LOWER SOIL ZONE:

SUBLAYER 1

--- POLLUTANT CONCENTRATIONS (UG/ML) OR (UG/G) --- NOTE: IF CONCENTRATIONS ARE ZERO FOR EACH MONTH, THEY ARE NOT PRINTED ---

UPPER SOIL ZONE:

SUBLAYER 1

MOISTURE 8.000E-10 8.000E-10 8.000E-10 8.000E-10 8.000E-10 8.000E-10 8.000E-10 8.000E-10 8.000E-10 8.000E-10 8.000E-10 8.000E-10

%SOLUBILITY 4.000E-07 4.000E-07 4.000E-07 4.000E-07 4.000E-07 4.000E-07 4.000E-07 4.000E-07 4.000E-07 4.000E-07 4.000E-07 4.000E-07

ADSORBED 6.400E-09 6.400E-09 6.400E-09 6.400E-09 6.400E-09 6.400E-09 6.400E-09 6.400E-09 6.400E-09 6.400E-09 6.400E-09 6.400E-09

SOIL AIR 1.342E-09 1.359E-09 1.373E-09 1.387E-09 1.362E-09 1.379E-09 1.356E-09 1.346E-09 1.335E-09 1.320E-09 1.320E-09 1.321E-09

MOISTURE 1.000E-11 1.000E-11 1.000E-11 1.000E-11 1.000E-11 1.000E-11 1.000E-11 1.000E-11 1.000E-11 1.000E-11 1.000E-11 1.000E-11

%SOLUBILITY 5.000E-09 5.000E-09 5.000E-09 5.000E-09 5.000E-09 5.000E-09 5.000E-09 5.000E-09 5.000E-09 5.000E-09 5.000E-09 5.000E-09

ADSORBED 8.000E-11 8.000E-11 8.000E-11 8.000E-11 8.000E-11 8.000E-11 8.000E-11 8.000E-11 8.000E-11 8.000E-11 8.000E-11 8.000E-11

SOIL AIR 1.677E-11 1.699E-11 1.716E-11 1.731E-11 1.728E-11 1.724E-11 1.695E-11 1.682E-11 1.669E-11 1.650E-11 1.650E-11 1.651E-11

SOIL ZONE 2:

SOIL ZONE 3:

LOWER SOIL ZONE:

POL DEP CM 7.848E+01 7.892E+01 7.961E+01 8.050E+01 8.109E+01 8.157E+01 8.185E+01 8.192E+01 8.195E+01 8.195E+01 8.196E+01 8.200E+01

1 YEAR = 22 ANNUAL SUMMARY REPORT

--- TOTAL INPUTS (UG) ---

UPPER SOIL ZONE	0.000E+00
SOIL ZONE 2	0.000E+00
SOIL ZONE 3	0.000E+00
LOWER SOIL ZONE	0.000E+00

--- HYDROLOGIC CYCLE COMPONENTS ---

AVERAGE SOIL MOISTURE ZONE 1 (%)	9.089
AVERAGE SOIL MOISTURE BELOW ZONE 1 (%)	9.089
TOTAL PRECIPITATION (CM)	46.017
TOTAL INFILTRATION (CM)	45.467
TOTAL EVAPOTRANSPIRATION (CM)	25.356
TOTAL SURFACE RUNOFF (CM)	0.546
TOTAL GRW RUNOFF (CM)	20.110
TOTAL MOISTURE RETENTION (CM)	0.000
TOTAL YIELD (CM)	20.461

0 --- POLLUTANT MASS DISTRIBUTION IN COLUMN (UG) --- NOTE: IF COMPONENT IS ZERO EACH MONTH, IT IS NOT PRINTED

FOR FINAL MASS IN SOIL MOI., ADS. ON SOIL, SOIL AIR, IMMOBIL CEC, COMPLEXED, AND PURE PHASE FOR EACH SUBLAYER, SEE ABOVE (MONTH SEP)

UPPER SOIL ZONE:

SUBLAYER 1

TOTAL VOLATILIZED	2.231E+00
TOTAL DEGRADED (MOISTURE)	1.341E-01
TOTAL DEGRADED (SOIL)	1.594E+01

SUBLAYER 2

TOTAL DEGRADED (MOISTURE)	1.677E-03
TOTAL DEGRADED (SOIL)	1.992E-01

SUBLAYER 4

SOIL ZONE 2:

SUBLAYER 1

SOIL ZONE 3:

SUBLAYER 1

LOWER SOIL ZONE:

SUBLAYER 1

1 ---- AVERAGE POLLUTANT CONCENTRATIONS ---- NOTE: ONLY NON-ZERO VALUES ARE PRINTED ----

UPPER SOIL ZONE:

SUBLAYER 1

SOIL MOISTURE (UG/ML)	8.000E-10
ADSORBED SOIL (UG/G)	6.400E-09
SOIL AIR (UG/ML)	1.352E-09

SUBLAYER 2

SOIL MOISTURE (UG/ML)	1.000E-11
ADSORBED SOIL (UG/G)	8.000E-11
SOIL AIR (UG/ML)	1.690E-11

SOIL ZONE 2:

SOIL ZONE 3:

LOWER SOIL ZONE:

MAX. POLL. DEPTH (M)	8.200E-01

1

YEAR -73 MONTHLY RESULTS (OUTPUT)

---- HYDROLOGIC CYCLE COMPONENTS ----

	MAY	JUN	JUL	AUG	SEP				
MOIS. IN L1 (%)		7.605	9.837	12.333	13.245	11.829	10.293	8.7
97	7.701	7.221	6.885	6.573	6.549			
MOIS. INFLOW L1 (%)		7.605	9.837	12.333	13.245	11.829	10.293	8.9
97	7.701	7.221	6.885	6.573	6.549			
PRECIPATTION (CM)		2.770	5.730	8.204	10.342	7.123	6.082	3.6
34	0.951	0.328	0.120	0.135	0.598			
NET INFILT. (CM)		2.657	5.680	8.128	10.215	7.072	6.056	3.6
19	0.946	0.298	0.106	0.124	0.566			
EVAPOTRANS. (CM)		1.910	3.016	1.412	1.841	3.983	5.417	3.8
46	1.700	0.634	0.411	0.463	0.722			
MOIS. RETEN (CM)		0.684	1.445	1.616	0.591	-0.917	-0.994	-0.8
39	-0.839	-0.311	-0.218	-0.202	-0.016			
SUR. RUNOFF (CM)		0.113	0.050	0.076	0.127	0.051	0.026	0.0
15	0.000	0.030	0.013	0.011	0.033			
GRW. RUNOFF (CM)		0.064	1.219	5.100	7.783	4.005	1.633	0.6
12	0.084	-0.025	-0.087	-0.137	-0.141			
YIELD (CM)		0.177	1.269	5.176	7.910	4.056	1.659	0.6
27	0.089	0.005	-0.074	-0.126	-0.108			
PAU/MPA (GZU)		0.996	0.997	0.993	0.998	1.006	1.000	1.0
04	0.990	1.059	1.087	1.123	0.997			
PA/MPA (GZ)		0.996	0.997	0.993	0.998	1.006	1.000	1.0
04	0.990	1.059	1.087	1.123	0.997			

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G) --- -- POLLUTANT MASS INPUT TO COLUMN (L

	MAY	OCT JUN	NOV JUL	DEC AUG	JAN SEP	FEB	MAR	APR
PRECIP.	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+
00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00			
LOAD UPPER	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+
00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00			
LOAD ZONE 2	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+
00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00			
LOAD ZONE 3	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+
00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00			
LOAD LOWER	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+
00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00			
TOTAL INPUT	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+
00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00			

O --- POLLUTANT MASS DISTRIBUTION IN COLUMN (UG) --- NOTE: IF COMPONENT I
S ZERO EACH MONTH, IT IS NOT PRINTED

UPPER SOIL ZONE:

SUBLAYER 1

VOLATILIZED	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+
00	0.000E+00	0.000E+00	0.000E+00	1.113E+00	1.118E+00			
DEGRAD HOIS	9.353E-03	1.210E-02	1.517E-02	1.629E-02	1.455E-02	1.266E-02	1.106E-
02	9.471E-03	8.881E-03	8.467E-03	8.084E-03	8.054E-03			
DEGRAD SOIL	1.328E+00	1.328E+00	1.328E+00	1.328E+00	1.328E+00	1.328E+00	1.328E+
00	1.328E+00	1.328E+00	1.328E+00	1.328E+00	1.328E+00			

ADS ON SOIL 4.427E+00 4.427E+00 4.427E+00 4.427E+00 4.427E+00 4.427E+00 4.427E+00 4.427E+00 4.427E+00 4.427E+00 4.427E+00 4.427E+00
IN SOIL AIR 1.127E-01 9.862E-02 8.207E-02 7.643E-02 8.619E-02 9.685E-02 1.042E-01 1.124E-01 1.148E-01 1.158E-01 1.179E-01 1.181E-01

SUBLAYER 2

DEGRAD MOIS 1.169E-04 1.512E-04 1.896E-04 2.036E-04 1.818E-04 1.582E-04 1.383E-04 1.184E-04 1.110E-04 1.058E-04 1.010E-04 1.007E-04
DEGRAD SOIL 1.660E-02 1.660E-02 1.660E-02 1.660E-02 1.660E-02 1.660E-02 1.660E-02 1.660E-02 1.660E-02 1.660E-02 1.660E-02 1.660E-02
IN SOIL MOI 3.897E-04 5.041E-04 6.320E-04 6.787E-04 6.061E-04 5.274E-04 4.610E-04 3.946E-04 3.700E-04 3.528E-04 3.368E-04 3.356E-04
ADS ON SOIL 5.534E-02 5.534E-02 5.534E-02 5.534E-02 5.534E-02 5.534E-02 5.534E-02 5.534E-02 5.534E-02 5.534E-02 5.534E-02 5.534E-02
IN SOIL AIR 1.409E-03 1.233E-03 1.026E-03 9.553E-04 1.077E-03 1.211E-03 1.303E-03 1.405E-03 1.435E-03 1.447E-03 1.474E-03 1.476E-03

SUBLAYER 3

SUBLAYER 4

SOIL ZONE 2:

SUBLAYER 1

SOIL ZONE 3:

SUBLAYER 1

LOWER SOIL ZONE:

SUBLAYER 1

--- POLLUTANT CONCENTRATIONS (UG/ML) OR (UG/G) --- NOTE: IF CONCENTRATIONS ARE ZERO FOR EACH MONTH, THEY ARE NOT PRINTED ---

UPPER SOIL ZONE:

SUBLAYER 1

MOISTURE 8.000E-10 8.000E-10 8.000E-10 8.000E-10 8.000E-10 8.000E-10 8.000E-10 8.000E-10 8.000E-10 8.000E-10 8.000E-10 8.000E-10
%SOLUBILITY 4.000E-07 4.000E-07 4.000E-07 4.000E-07 4.000E-07 4.000E-07 4.000E-07 4.000E-07 4.000E-07 4.000E-07 4.000E-07 4.000E-07
ADSORBED 6.400E-09 6.400E-09 6.400E-09 6.400E-09 6.400E-09 6.400E-09 6.400E-09 6.400E-09 6.400E-09 6.400E-09 6.400E-09 6.400E-09
SOIL AIR 1.342E-09 1.359E-09 1.373E-09 1.387E-09 1.382E-09 1.379E-09 1.356E-09 1.343E-09 1.335E-09 1.320E-09 1.320E-09 1.321E-09

SUBLAYER 2

MOISTURE 1.000E-11 1.000E-11 1.000E-11 1.000E-11 1.000E-11 1.000E-11 1.000E-11 1.000E-11 1.000E-11 1.000E-11 1.000E-11 1.000E-11

ADSORBED 0.000E+00 0.000E+00 0.000E+00 0.000E+00 0.000E+00 0.000E+00 0.000E+00
11 0.000E+00 0.000E+00 0.000E+00 0.000E+00 0.000E+00 0.000E+00
SOIL AIR 1.677E-11 1.699E-11 1.716E-11 1.734E-11 1.728E-11 1.724E-11 1.695E-
11 1.682E-11 1.669E-11 1.650E-11 1.650E-11 1.651E-11

SOIL ZONE 2:

SOIL ZONE 3:

LOWER SOIL ZONE:

POL DEP CN 8.220E+01 8.265E+01 8.334E+01 8.422E+01 8.481E+01 8.530E+01 8.558E+
01 8.565E+01 8.567E+01 8.568E+01 8.569E+01 8.573E+01
1 YEAR = 23 ANNUAL SUMMARY REPORT

---- TOTAL INPUTS (UG) ----

UPPER SOIL ZONE	0.000E+00
SOIL ZONE 2	0.000E+00
SOIL ZONE 3	0.000E+00
LOWER SOIL ZONE	0.000E+00

--- HYDROLOGIC CYCLE COMPONENTS ---

AVERAGE SOIL MOISTURE ZONE 1 (%)	9.089
AVERAGE SOIL MOISTURE BELOW ZONE 1 (%)	9.089
TOTAL PRECIPITATION (CM)	46.017
TOTAL INFILTRATION (CM)	45.467
TOTAL EVAPOTRANSPIRATION (CM)	25.356
TOTAL SURFACE RUNOFF (CM)	0.546
TOTAL GRW RUNOFF (CM)	20.110
TOTAL MOISTURE RETENTION (CM)	0.000
TOTAL YIELD (CM)	20.661

0 --- POLLUTANT MASS DISTRIBUTION IN COLUMN (UG) --- NOTE: IF COMPONENT I
S ZERO EACH MONTH, IT IS NOT PRINTED

FOR FINAL MASS IN SOIL MOI., ADS. ON SOIL, SOIL AIR, IMMOBIL CEC, COMPLEXED, AN
D PURE PHASE FOR EACH SUBLAYER, SEE ABOVE (MONTH SEP)

UPPER SOIL ZONE:

SUBLAYER 1

TOTAL VOLATILIZED	2.231E+00
TOTAL DEGRADED (MOISTURE)	1.341E-01
TOTAL DEGRADED (SOIL)	1.594E+01

SUBLAYER 2

TOTAL DEGRADED (MOISTURE)	1.677E-03
TOTAL DEGRADED (SOIL)	1.992E-01

SUBLAYER 3

SOIL ZONE 2:

SUBLAYER 1

SOIL ZONE 3:

SUBLAYER 1

LOWER SOIL ZONE:

SUBLAYER 1

1 --- AVERAGE POLLUTANT CONCENTRATIONS --- NOTE: ONLY NON-ZERO VALUES ARE PRINTED ---

UPPER SOIL ZONE:

SUBLAYER 1

SOIL MOISTURE (UG/ML)	8.000E-10
ADSORBED SOIL (UG/G)	6.400E-09
SOIL AIR (UG/ML)	1.352E-09

SUBLAYER 2

SOIL MOISTURE (UG/ML)	1.000E-11
ADSORBED SOIL (UG/G)	8.000E-11
SOIL AIR (UG/ML)	1.690E-11

SOIL ZONE 2:

SOIL ZONE 3:

LOWER SOIL ZONE:

MAX. POLL. DEPTH (M)	8.573E-01

1

YEAR -24 MONTHLY RESULTS (OUTPUT)

--- HYDROLOGIC CYCLE COMPONENTS ---

	OCT	NOV	DEC	JAN	FEB	MAR	APR
MAY	JUN	JUL	AUG	SEP			

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 MOIS. BELOW L1 (%)        7.605     9.857     12.[illegible]    13.345    11.3[illegible]    10.2[illegible]     3.7
97     7.701     7.221     6.885     6.573     6.549
 PRECIPATION (CM)          2.770     5.730     8.204     10.342    7.1[illegible]     6.0[illegible]     3.[illegible]
34     0.951     0.328     0.120     0.135     0.598
 NET INFILT. (CM)          2.657     5.680     8.128     10.215    7.072     6.056     3.6
19     0.946     0.298     0.106     0.124     0.566
 EVAPOTRANS. (CM)          1.910     3.016     1.412     1.841     3.983     5.417     3.8
46     1.700     0.634     0.411     0.463     0.722
 MOIS. RETEN (CM)          0.684     1.445     1.616     0.591    -0.917    -0.994    -0.8
39    -0.839    -0.311    -0.218    -0.202    -0.016
 SUR. RUNOFF (CM)          0.113     0.050     0.076     0.127     0.051     0.026     0.0
15     0.000     0.030     0.013     0.011     0.033
 GRW. RUNOFF (CM)          0.064     1.219     5.100     7.783     4.005     1.633     0.6
12     0.084    -0.025    -0.087    -0.137    -0.141
 YIELD (CM)                0.177     1.269     5.176     7.910     4.056     1.659     0.6
27     0.089     0.005    -0.074    -0.126    -0.108

 PAU/MPA (GZU)             0.996     0.997     0.993     0.998     1.006     1.000     1.0
04     0.990     1.059     1.087     1.123     0.997
 PA/MPA (GZ)               0.996     0.997     0.993     0.998     1.006     1.000     1.0
04     0.990     1.059     1.087     1.123     0.997

1                                             --- POLLUTANT MASS INPUT TO COLUMN (U
G) ---
                                              ------------------------------------
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               OCT       NOV       DEC       JAN       FEB       MAR       APR
      MAY      JUN       JUL       AUG       SEP

 PRECIP.     0.000E+00 0.000E+00 0.000E+00 0.000E+00 0.000E+00 0.000E+00 0.000E+
00 0.000E+00 0.000E+00 0.000E+00 0.000E+00 0.000E+00
 LOAD UPPER  0.000E+00 0.000E+00 0.000E+00 0.000E+00 0.000E+00 0.000E+00 0.000E+
00 0.000E+00 0.000E+00 0.000E+00 0.000E+00 0.000E+00
 LOAD ZONE 2 0.000E+00 0.000E+00 0.000E+00 0.000E+00 0.000E+00 0.000E+00 0.000E+
00 0.000E+00 0.000E+00 0.000E+00 0.000E+00 0.000E+00
 LOAD ZONE 3 0.000E+00 0.000E+00 0.000E+00 0.000E+00 0.000E+00 0.000E+00 0.000E+
00 0.000E+00 0.000E+00 0.000E+00 0.000E+00 0.000E+00
 LOAD LOWER  0.000E+00 0.000E+00 0.000E+00 0.000E+00 0.000E+00 0.000E+00 0.000E+
00 0.000E+00 0.000E+00 0.000E+00 0.000E+00 0.000E+00

 TOTAL INPUT 0.000E+00 0.000E+00 0.000E+00 0.000E+00 0.000E+00 0.000E+00 0.000E+
00 0.000E+00 0.000E+00 0.000E+00 0.000E+00 0.000E+00
0            --- POLLUTANT MASS DISTRIBUTION IN COLUMN (UG) --- NOTE: IF COMPONENT I
S ZERO EACH MONTH, IT IS NOT PRINTED
             ----------------------------------------------------------------------
-------------------------------------


      UPPER SOIL ZONE:

           SUBLAYER  1

 VOLATILIZED 0.000E+00 0.000E+00 0.000E+00 0.000E+00 0.000E+00 0.000E+00 0.000E+
00 0.000E+00 0.000E+00 0.000E+00 1.113E+00 1.118E+00
 DEGRAD MOIS 9.353E-03 1.210E-02 1.517E-02 1.629E-02 1.455E-02 1.266E-02 1.106E-
02 9.471E-03 8.881E-03 8.467E-03 8.084E-03 8.054E-03
 DEGRAD SOIL 1.328E+00 1.328E+00 1.328E+00 1.328E+00 1.328E+00 1.328E+00 1.328E+
00 1.328E+00 1.328E+00 1.328E+00 1.328E+00 1.328E+00
 IN SOIL MOI 3.118E-02 4.033E-02 5.056E-02 5.430E-02 4.849E-02 4.219E-02 3.688E-
02 3.157E-02 2.960E-02 2.822E-02 2.695E-02 2.685E-02
 ADS ON SOIL 4.427E+00 4.427E+00 4.427E+00 4.427E+00 4.427E+00 4.427E+00 4.427E+
00 4.427E+00 4.427E+00 4.427E+00 4.427E+00 4.427E+00
```

JUN 91 P 2

DEGRAD MOIS 1.169E-04 1.512E-04 1.896E-04 2.036E-04 1.818E-04 1.582E-04 1.383E-04 1.184E-04 1.110E-04 1.058E-04 1.010E-04 1.007E-04
DEGRAD SOIL 1.660E-02 1.660E-02 1.660E-02 1.660E-02 1.660E-02 1.660E-02 1.660E-02 1.660E-02 1.660E-02 1.660E-02 1.660E-02 1.660E-02
IN SOIL MOI 3.897E-04 5.041E-04 6.320E-04 6.787E-04 6.061E-04 5.274E-04 4.610E-04 3.946E-04 3.700E-04 3.528E-04 3.368E-04 3.356E-04
ADS ON SOIL 5.534E-02 5.534E-02 5.534E-02 5.534E-02 5.534E-02 5.534E-02 5.534E-02 5.534E-02 5.534E-02 5.534E-02 5.534E-02 5.534E-02
IN SOIL AIR 1.409E-03 1.233E-03 1.026E-03 9.553E-04 1.077E-03 1.211E-03 1.303E-03 1.405E-03 1.435E-03 1.447E-03 1.474E-03 1.476E-03

SUBLAYER 3

SUBLAYER 4

SOIL ZONE 2:

SUBLAYER 1

SOIL ZONE 3:

SUBLAYER 1

LOWER SOIL ZONE:

SUBLAYER 1

--- POLLUTANT CONCENTRATIONS (UG/ML) OR (UG/G) --- NOTE: IF CONCENTRATIONS ARE ZERO FOR EACH MONTH, THEY ARE NOT PRINTED ---

UPPER SOIL ZONE:

SUBLAYER 1

MOISTURE 8.000E-10 8.000E-10 8.000E-10 8.000E-10 8.000E-10 8.000E-10 8.000E-10 8.000E-10 8.000E-10 8.000E-10 8.000E-10 8.000E-10
%SOLUBILITY 4.000E-07 4.000E-07 4.000E-07 4.000E-07 4.000E-07 4.000E-07 4.000E-07 4.000E-07 4.000E-07 4.000E-07 4.000E-07 4.000E-07
ADSORBED 6.400E-09 6.400E-09 6.400E-09 6.400E-09 6.400E-09 6.400E-09 6.400E-09 6.400E-09 6.400E-09 6.400E-09 6.400E-09 6.400E-09
SOIL AIR 1.342E-09 1.359E-09 1.373E-09 1.387E-09 1.382E-09 1.379E-09 1.356E-09 1.346E-09 1.335E-09 1.320E-09 1.320E-09 1.321E-09

SUBLAYER 2

MOISTURE 1.000E-11 1.000E-11 1.000E-11 1.000E-11 1.000E-11 1.000E-11 1.000E-11 1.000E-11 1.000E-11 1.000E-11 1.000E-11 1.000E-11
%SOLUBILITY 5.000E-09 5.000E-09 5.000E-09 5.000E-09 5.000E-09 5.000E-09 5.000E-09 5.000E-09 5.000E-09 5.000E-09 5.000E-09 5.000E-09
ADSORBED 8.000E-11 8.000E-11 8.000E-11 8.000E-11 8.000E-11 8.000E-11 8.000E-11 8.000E-11 8.000E-11 8.000E-11 8.000E-11 8.000E-11

SOIL ZONE 2:

SOIL ZONE 3:

LOWER SOIL ZONE:

FOL DEP CM 8.593E+01 8.638E+01 8.707E+01 8.795E+01 8.854E+01 8.902E+01 8.931E+01 8.939E+01 8.940E+01 8.941E+01 8.941E+01 8.946E+01

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--- TOTAL INPUTS (UG) ---

UPPER SOIL ZONE	0.000E+00
SOIL ZONE 2	0.000E+00
SOIL ZONE 3	0.000E+00
LOWER SOIL ZONE	0.000E+00

--- HYDROLOGIC CYCLE COMPONENTS ---

AVERAGE SOIL MOISTURE ZONE 1 (%)	9.089
AVERAGE SOIL MOISTURE BELOW ZONE 1 (%)	9.089
TOTAL PRECIPITATION (CM)	46.017
TOTAL INFILTRATION (CM)	45.467
TOTAL EVAPOTRANSPIRATION (CM)	25.356
TOTAL SURFACE RUNOFF (CM)	0.546
TOTAL GRW RUNOFF (CM)	20.110
TOTAL MOISTURE RETENTION (CM)	0.000
TOTAL YIELD (CM)	20.661

O --- POLLUTANT MASS DISTRIBUTION IN COLUMN (UG) --- NOTE: IF COMPONENT IS ZERO EACH MONTH, IT IS NOT PRINTED

FOR FINAL MASS IN SOIL MOI., ADS. ON SOIL, SOIL AIR, IMMOBIL CEC, COMPLEXED, AND PURE PHASE FOR EACH SUBLAYER, SEE ABOVE (MONTH SEP)

UPPER SOIL ZONE:

SUBLAYER 1

TOTAL VOLATILIZED	2.231E+00
TOTAL DEGRADED (MOISTURE)	1.341E-01
TOTAL DEGRADED (SOIL)	1.594E+01

SUBLAYER 2

TOTAL DEGRADED (MOISTURE)	1.677E-03
TOTAL DEGRADED (SOIL)	1.992E-01

SUBLAYER 3

SUBLAYER 4

SOIL ZONE 2:

SOIL ZONE 3:

SUBLAYER 1

LOWER SOIL ZONE:

SUBLAYER 1

1 --- AVERAGE POLLUTANT CONCENTRATIONS --- NOTE: ONLY NON-ZERO VALUES ARE PRINTED --

UPPER SOIL ZONE:

SUBLAYER 1

SOIL MOISTURE (UG/ML)	8.000E-10
ADSORBED SOIL (UG/G)	6.400E-09
SOIL AIR (UG/ML)	1.352E-09

SUBLAYER 2

SOIL MOISTURE (UG/ML)	1.000E-11
ADSORBED SOIL (UG/G)	8.000E-11
SOIL AIR (UG/ML)	1.690E-11

SOIL ZONE 2:

SOIL ZONE 3:

LOWER SOIL ZONE:

MAX. POLL. DEPTH (M)	8.946E-01

1

YEAR -25 MONTHLY RESULTS (OUTPUT)

--- HYDROLOGIC CYCLE COMPONENTS ---

	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	JAN	FEB	MAR	APR
MOIS. IN L1 (%)			7.605	9.837	12.373	13.245	11.829	10.293	8.9			
97	7.701	7.221	6.885	6.573	6.549							
MOIS. BELOW L1 (%)			7.605	9.837	12.373	13.245	11.829	10.293	8.9			
97	7.701	7.221	6.885	6.573	6.549							

NET INFILT. (CM)	2.357	5.680	8.198	10.215	7.022	6.055	3.8
19 0.946 0.298 0.106 0.124 0.566							
EVAPOTRANS. (CM)	1.910	3.016	1.412	1.841	3.985	5.417	3.8
46 1.700 0.634 0.411 0.463 0.722							
MOIS. RETEN (CM)	0.684	1.445	1.616	0.591	-0.917	-0.994	-0.8
39 -0.839 -0.311 -0.218 -0.202 -0.016							
SUR. RUNOFF (CM)	0.113	0.050	0.076	0.127	0.051	0.026	0.0
15 0.000 0.030 0.013 0.011 0.033							
GRW. RUNOFF (CM)	0.064	1.219	5.100	7.783	4.005	1.633	0.6
12 0.084 -0.025 -0.087 -0.137 -0.141							
YIELD (CM)	0.177	1.269	5.176	7.910	4.056	1.659	0.6
27 0.089 0.005 -0.074 -0.126 -0.108							
FAU/MPA (GZU)	0.996	0.997	0.993	0.998	1.006	1.000	1.0
04 0.990 1.059 1.087 1.123 0.997							
FA/MPA (GZ)	0.996	0.997	0.993	0.998	1.006	1.000	1.0
04 0.990 1.059 1.087 1.123 0.997							

1 ---- POLLUTANT MASS INPUT TO COLUMN (U
G) ----

	OCT	NOV	DEC	JAN	FEB	MAR	APR
MAY	JUN	JUL	AUG	SEP			
PRECIP.	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+
00 0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00			
LOAD UPPER	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+
00 0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00			
LOAD ZONE 2	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+
00 0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00			
LOAD ZONE 3	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+
00 0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00			
LOAD LOWER	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+
00 0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00			
TOTAL INPUT	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+
00 0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00			

0 -- POLLUTANT MASS DISTRIBUTION IN COLUMN (UG) --- NOTE: IF COMPONENT 1
S ZERO EACH MONTH, IT IS NOT PRINTED

UPPER SOIL ZONE:

SUBLAYER 1

VOLATILIZED	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+
00 0.000E+00	0.000E+00	0.000E+00	0.000E+00	1.113E+00	1.118E+00		
DEGRAD MOIS	9.353E-03	1.210E-02	1.517E-02	1.629E-02	1.455E-02	1.266E-02	1.106E-
02 9.471E-03	8.881E-03	8.467E-03	8.084E-03	8.054E-03			
DEGRAD SOIL	1.328E+00	1.328E+00	1.328E+00	1.328E+00	1.328E+00	1.328E+00	1.328E+
00 1.328E+00	1.328E+00	1.328E+00	1.328E+00	1.328E+00			
IN SOIL MOI	3.118E-02	4.033E-02	5.056E-02	5.430E-02	4.849E-02	4.219E-02	3.608E-
02 3.157E-02	2.960E-02	2.892E-02	2.695E-02	2.685E-02			
ADS ON SOIL	4.427E+00	4.427E+00	4.427E+00	4.427E+00	4.427E+00	4.427E+00	4.427E+
00 4.427E+00	4.427E+00	4.427E+00	4.427E+00	4.427E+00			
IN SOIL AIR	1.127E-01	9.862E-02	8.207E-02	7.643E-02	8.619E-02	9.685E-02	1.042E
01 1.124E-01	1.148E-01	1.158E-01	1.179E-01	1.181E-01			

SUBLAYER 2

04 1.184E-04 1.110E-04 1.058E-04 1.010E-04 1.007E-04
DEGRAD SOIL 1.660E-02 1.660E-02 1.660E-02 1.660E-02 1.660E-02 1.660E-02 1.660E-02 1.660E-02 1.660E-02 1.660E-02 1.660E-02 1.660E-02
IN SOIL MOI 3.897E-04 5.041E-04 6.320E-04 6.787E-04 6.061E-04 5.229E-04 4.610E-04 3.946E-04 3.700E-04 3.528E-04 3.368E-04 3.356E-04
ADS ON SOIL 5.534E-02 5.534E-02 5.534E-02 5.534E-02 5.534E-02 5.534E-02 5.534E-02 5.534E-02 5.534E-02 5.534E-02 5.534E-02 5.534E-02
IN SOIL AIR 1.409E-03 1.233E-03 1.026E-03 9.553E-04 1.077E-03 1.211E-03 1.303E-03 1.405E-03 1.435E-03 1.447E-03 1.474E-03 1.476E-03

SUBLAYER 3

SUBLAYER 4

SOIL ZONE 2:

SUBLAYER 1

SOIL ZONE 3:

SUBLAYER 1

LOWER SOIL ZONE:

SUBLAYER 1

--- POLLUTANT CONCENTRATIONS (UG/ML) OR (UG/G) --- NOTE: IF CONCENTRATIONS ARE ZERO FOR EACH MONTH, THEY ARE NOT PRINTED ---

UPPER SOIL ZONE:

SUBLAYER 1

MOISTURE 8.000E-10 8.000E-10 8.000E-10 8.000E-10 8.000E-10 8.000E-10 8.000E-10 8.000E-10 8.000E-10 8.000E-10 8.000E-10 8.000E-10
%SOLUBILITY 4.000E-07 4.000E-07 4.000E-07 4.000E-07 4.000E-07 4.000E-07 4.000E-07 4.000E-07 4.000E-07 4.000E-07 4.000E-07 4.000E-07
ADSORBED 6.400E-09 6.400E-09 6.400E-09 6.400E-09 6.400E-09 6.400E-09 6.400E-09 6.400E-09 6.400E-09 6.400E-09 6.400E-09 6.400E-09
SOIL AIR 1.342E-09 1.359E-09 1.373E-09 1.387E-09 1.382E-09 1.379E-09 1.356E-09 1.346E-09 1.335E-09 1.320E-09 1.320E-09 1.321E-09

SUBLAYER 2

MOISTURE 1.000E-11 1.000E-11 1.000E-11 1.000E-11 1.000E-11 1.000E-11 1.000E-11 1.000E-11 1.000E-11 1.000E-11 1.000E-11 1.000E-11
%SOLUBILITY 5.000E-09 5.000E-09 5.000E-09 5.000E-09 5.000E-09 5.000E-09 5.000E-09 5.000E-09 5.000E-09 5.000E-09 5.000E-09 5.000E-09
ADSORBED 8.000E-11 8.000E-11 8.000E-11 8.000E-11 8.000E-11 8.000E-11 8.000E-11 8.000E-11 8.000E-11 8.000E-11 8.000E-11 8.000E-11
SOIL AIR 1.677E-11 1.699E-11 1.716E-11 1.734E-11 1.728E-11 1.724E-11 1.695E-11 1.682E-11 1.669E-11 1.650E-11 1.650E-11 1.651E-11

SOIL ZONE 2:

LOWER SOIL ZONE:

POL DEP CM 8.966E+01 9.010E+01 9.079E+01 9.168E+01 9.227E+01 9.275E+01 9.303E+01 9.310E+01 9.313E+01 9.313E+01 9.314E+01 9.318E+01

--- TOTAL INPUTS (UG) ---

UPPER SOIL ZONE	0.000E+00
SOIL ZONE 2	0.000E+00
SOIL ZONE 3	0.000E+00
LOWER SOIL ZONE	0.000E+00

--- HYDROLOGIC CYCLE COMPONENTS ---

AVERAGE SOIL MOISTURE ZONE 1 (%)	9.089
AVERAGE SOIL MOISTURE BELOW ZONE 1 (%)	9.089
TOTAL PRECIPITATION (CM)	46.017
TOTAL INFILTRATION (CM)	45.467
TOTAL EVAPOTRANSPIRATION (CM)	25.356
TOTAL SURFACE RUNOFF (CM)	0.546
TOTAL GRW RUNOFF (CM)	20.110
TOTAL MOISTURE RETENTION (CM)	0.000
TOTAL YIELD (CM)	20.661

0 --- POLLUTANT MASS DISTRIBUTION IN COLUMN (UG) --- NOTE: IF COMPONENT 1S ZERO EACH MONTH, IT IS NOT PRINTED

FOR FINAL MASS IN SOIL MOI., ADS. ON SOIL, SOIL AIR, IMMOBIL CEC, COMPLEXED, AND PURE PHASE FOR EACH SUBLAYER, SEE ABOVE (MONTH SEP)

UPPER SOIL ZONE:

SUBLAYER 1

TOTAL VOLATILIZED	2.231E+00
TOTAL DEGRADED (MOISTURE)	1.341E-01
TOTAL DEGRADED (SOIL)	1.594E+01

SUBLAYER 2

TOTAL DEGRADED (MOISTURE)	1.677E-03
TOTAL DEGRADED (SOIL)	1.992E-01

SUBLAYER 3

SUBLAYER 4

SOIL ZONE 2:

SUBLAYER 1

SUBLAYER 1

LOWER SOIL ZONE:

SUBLAYER 1

1 --- AVERAGE POLLUTANT CONCENTRATIONS --- NOTE: ONLY NON-ZERO VALUES ARE PRINTED ---

UPPER SOIL ZONE:

SUBLAYER 1

SOIL MOISTURE (UG/ML)	8.000E-10
ADSORBED SOIL (UG/G)	6.400E-09
SOIL AIR (UG/ML)	1.352E-09

SUBLAYER 2

SOIL MOISTURE (UG/ML)	1.000E-11
ADSORBED SOIL (UG/G)	8.000E-11
SOIL AIR (UG/ML)	1.690E-11

SOIL ZONE 2:

SOIL ZONE 3:

LOWER SOIL ZONE:

MAX. POLL. DEPTH (M) 9.318E-01

1

YEAR -26 MONTHLY RESULTS (OUTPUT)

--- HYDROLOGIC CYCLE COMPONENTS ---

	MAY	JUN	OCT JUL	NOV AUG	DEC SEP	JAN	FEB	MAR	APR
MOIS. IN L1 (%)			7.605	9.837	12.333	13.245	11.829	10.293	8.9
97	7.701	7.221	6.885	6.573	6.549				
MOIS. BELOW L1 (%)			7.605	9.837	12.333	13.245	11.829	10.293	8.9
97	7.701	7.221	6.885	6.573	6.549				
PRECIPATTION (CM)			2.770	5.730	8.204	10.342	7.123	6.082	3.4
34	0.951	0.328	0.120	0.135	0.598				
NET INFILT. (CM)			2.657	5.680	8.128	10.215	7.072	6.056	3.4
19	0.946	0.293	0.106	0.124	0.566				

MOIS. RETEN (CM)	0.000	1.445	1.616	0.591	-0.917	-0.994	-0.8	
39 -0.839 -0.311	-0.218	-0.202	-0.016					
SUR. RUNOFF (CM)	0.113	0.050	0.076	0.127	0.051	0.026	0.0	
19 0.000 0.030	0.013	0.011	0.033					
GRW. RUNOFF (CM)	0.064	1.219	5.100	7.783	4.005	1.633	0.6	
12 0.084 -0.025	-0.087	-0.137	-0.141					
YIELD (CM)	0.177	1.269	5.176	7.910	4.056	1.659	0.6	
27 0.089 0.005	-0.074	-0.126	-0.108					
PAU/MPA (GZU)	0.996	0.997	0.993	0.998	1.006	1.000	1.0	
04 0.990 1.059	1.087	1.123	0.997					
PA/MPA (GZ)	0.996	0.997	0.993	0.998	1.006	1.000	1.0	
04 0.990 1.059	1.087	1.123	0.997					

1
G) ---

--- POLLUTANT MASS INPUT TO COLUMN (U

	OCT	NOV	DEC	JAN	FEB	MAR	APR
MAY	JUN	JUL	AUG	SEP			
PRECIP.	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+
00 0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00		
LOAD UPPER	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+
00 0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00		
LOAD ZONE 2	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+
00 0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00		
LOAD ZONE 3	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+
00 0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00		
LOAD LOWER	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+
00 0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00		
TOTAL INPUT	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+
00 0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00		

O --- POLLUTANT MASS DISTRIBUTION IN COLUMN (UG) --- NOTE: IF COMPONENT I
S ZERO EACH MONTH, IT IS NOT PRINTED

UPPER SOIL ZONE:

SUBLAYER 1

VOLATILIZED	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+
00 0.000E+00	0.000E+00	0.000E+00	0.000E+00	1.113E+00	1.118E+00		
DEGRAD MOIS	9.353E-03	1.210E-02	1.517E-02	1.629E-02	1.455E-02	1.266E-02	1.106E-
02 9.471E-03	8.881E-03	8.467E-03	8.084E-03	8.054E-03			
DEGRAD SOIL	1.328E+00	1.328E+00	1.328E+00	1.328E+00	1.328E+00	1.328E+00	1.328E+
00 1.329E+00	1.328E+00	1.328E+00	1.329E+00	1.328E+00	1.328E+00		
IN SOIL MOI	3.118E-02	4.033E-02	5.056E-02	5.430E-02	4.849E-02	4.219E-02	3.688E-
02 3.157E-02	2.960E-02	2.822E-02	2.695E-02	2.485E-02			
ADS ON SOIL	4.427E+00	4.427E+00	4.427E+00	4.427E+00	4.427E+00	4.427E+00	4.427E+
00 4.427E+00	4.427E+00	4.427E+00	4.427E+00	4.427E+00	4.427E+00		
IN SOIL AIR	1.127E-01	9.962E-02	8.207E-02	7.643E-02	8.619E-02	9.685E-02	1.042E-
01 1.124E-01	1.148E-01	1.158E-01	1.179E-01	1.181E-01			

SUBLAYER 2

DEGRAD MOIS	1.169E-04	1.512E-04	1.896E-04	2.036E-04	1.818E-04	1.582E-04	1.383E-
04 1.184E-04	1.110E-04	1.058E-04	1.010E-04	1.007E-04			
DEGRAD SOIL	1.660E-02	1.660E-02	1.660E-02	1.660E-02	1.660E-02	1.660E-02	1.660E-

04 3.946E-04 3.700E-04 3.428E-04 3.3e3E-04 3.356E-04
ADS ON SOIL 5.534E-02 5.534E-02 5.534E-02 5.534E-02 5.534E-02 5.534E-02 5.534E-
02 5.534E-02 5.534E-02 5.534E-02 5.534E-02 5.534E-02 5.534E-02
IN SOIL AIR 1.409E-03 1.233E-03 1.083E-03 7.553E-04 1.076E-03 1.211E-03 1.303E-
03 1.405E-03 1.435E-03 1.447E-03 1.474E-03 1.476E-03

SUBLAYER 3

SUBLAYER 4

SOIL ZONE 2:

SUBLAYER 1

SOIL ZONE 3:

SUBLAYER 1

LOWER SOIL ZONE:

SUBLAYER 1

--- POLLUTANT CONCENTRATIONS (UG/ML) OR (UG/G) --- NOTE: IF CONCENTRATIONS A
RE ZERO FOR EACH MONTH, THEY ARE NOT PRINTED ---

UPPER SOIL ZONE:

SUBLAYER 1

MOISTURE 8.000E-10 8.000E-10 8.000E-10 8.000E-10 8.000E-10 8.000E-10 8.000E-
10 8.000E-10 8.000E-10 8.000E-10 8.000E-10 8.000E-10 8.000E-10
%SOLUBILITY 4.000E-07 4.000E-07 4.000E-07 4.000E-07 4.000E-07 4.000E-07 4.000E-
07 4.000E-07 4.000E-07 4.000E-07 4.000E-07 4.000E-07 4.000E-07
ADSORBED 6.400E-09 6.400E-09 6.400E-09 6.400E-09 6.400E-09 6.400E-09 6.400E-
09 6.400E-09 6.400E-09 6.400E-09 6.400E-09 6.400E-09 6.400E-09
SOIL AIR 1.342E-09 1.359E-09 1.373E-09 1.387E-09 1.382E-09 1.379E-09 1.356E-
09 1.346E-09 1.335E-09 1.320E-09 1.320E-09 1.321E-09

SUBLAYER 2

MOISTURE 1.000E-11 1.000E-11 1.000E-11 1.000E-11 1.000E-11 1.000E-11 1.000E-
11 1.000E-11 1.000E-11 1.000E-11 1.000E-11 1.000E-11 1.000E-11
%SOLUBILITY 5.000E-09 5.000E-09 5.000E-09 5.000E-09 5.000E-09 5.000E-09 5.000E-
09 5.000E-09 5.000E-09 5.000E-09 5.000E-09 5.000E-09 5.000E-09
ADSORBED 8.000E-11 8.000E-11 8.000E-11 8.000E-11 8.000E-11 8.000E-11 8.000E-
11 8.000E-11 8.000E-11 8.000E-11 8.000E-11 8.000E-11 8.000E-11
SOIL AIR 1.677E-11 1.699E-11 1.716E-11 1.734E-11 1.728E-11 1.724E-11 1.695E-
11 1.682E-11 1.669E-11 1.650E-11 1.650E-11 1.651E-11

SOIL ZONE 2:

SOIL ZONE 3:

LOWER SOIL ZONE:

SOIL DLP CM 9.333E+01 9.393E+01 9.452E+01 9.540E+01 9.600E+01 9.643E+01 9.676E+01 9.683E+01 9.685E+01 9.686E+01 9.687E+01 9.691E+01

1 YEAR - 26 ANNUAL SUMMARY REPORT

--- TOTAL INPUTS (UG) ---

UPPER SOIL ZONE	0.000E+00
SOIL ZONE 2	0.000E+00
SOIL ZONE 3	0.000E+00
LOWER SOIL ZONE	0.000E+00

--- HYDROLOGIC CYCLE COMPONENTS ---

AVERAGE SOIL MOISTURE ZONE 1 (%)	9.089
AVERAGE SOIL MOISTURE BELOW ZONE 1 (%)	9.089
TOTAL PRECIPITATION (CM)	46.017
TOTAL INFILTRATION (CM)	45.467
TOTAL EVAPOTRANSPIRATION (CM)	25.356
TOTAL SURFACE RUNOFF (CM)	0.546
TOTAL GRW RUNOFF (CM)	20.110
TOTAL MOISTURE RETENTION (CM)	0.000
TOTAL YIELD (CM)	20.661

0 --- POLLUTANT MASS DISTRIBUTION IN COLUMN (UG) --- NOTE: IF COMPONENT IS ZERO EACH MONTH, IT IS NOT PRINTED

FOR FINAL MASS IN SOIL MOI., ADS. ON SOIL, SOIL AIR, IMMOBIL CEC, COMPLEXED, AND PURE PHASE FOR EACH SUBLAYER. SEE ABOVE (MONTH SEP)

UPPER SOIL ZONE:

SUBLAYER 1

TOTAL VOLATILIZED	2.231E+00
TOTAL DEGRADED (MOISTURE)	1.341E-01
TOTAL DEGRADED (SOIL)	1.594E+01

SUBLAYER 2

TOTAL DEGRADED (MOISTURE)	1.677E-03
TOTAL DEGRADED (SOIL)	1.992E-01

SUBLAYER 3

SUBLAYER 4

SOIL ZONE 2:

SUBLAYER 1

SOIL ZONE 3:

SUBLAYER 1

SUBLAYER 1

1 · AVERAGE POLLUTANT CONCENTRATIONS ·· NOTE: ONLY NON-ZERO VALUES ARE PRINTED ——

UPPER SOIL ZONE:

SUBLAYER 1

SOIL MOISTURE (UG/ML)	8.000E-10
ADSORBED SOIL (UG/G)	6.400E-09
SOIL AIR (UG/ML)	1.352E-09

SUBLAYER 2

SOIL MOISTURE (UG/ML)	1.000E-11
ADSORBED SOIL (UG/G)	8.000E-11
SOIL AIR (UG/ML)	1.690E-11

SOIL ZONE 2:

SOIL ZONE 3:

LOWER SOIL ZONE:

MAX. POLL. DEPTH (M) 9.691E-01

1

YEAR -27 MONTHLY RESULTS (OUTPUT)

—— HYDROLOGIC CYCLE COMPONENTS ···

	OCT	NOV	DEC	JAN	FEB	MAR	APR
MAY JUN	JUL	AUG	SEP				
MOIS. IN L1 (%)	7.605	9.837	12.333	13.245	11.829	10.293	8.9
97 7.701 7.221	6.885	6.573	6.549				
MOIS. BELOW L1 (%)	7.605	9.837	12.333	13.245	11.829	10.293	8.9
97 7.701 7.221	6.885	6.573	6.549				
PRECIPATTION (CM)	2.770	5.730	8.204	10.342	7.123	6.082	3.6
34 0.951 0.328	0.120	0.135	0.598				
NET INFILT. (CM)	2.657	5.680	9.128	10.215	7.072	6.056	3.6
19 0.946 0.298	0.106	0.124	0.566				
EVAPOTRANS. (CM)	1.910	3.016	1.412	1.841	3.983	5.417	3.8
46 1.700 0.634	0.411	0.463	0.722				
MOIS. RETEN (CM)	0.684	1.445	1.616	0.591	-0.917	-0.994	-0.8
3? -0.859 -0.311	-0.218	-0.202	0.01..				

GRW. RUNOFF (CM)		0.064	1.219	5.160	7.703	4.005	1.653	0.6
10 0.034	-0.025	-0.087	-0.137	-0.141				
YIELD (CM)		0.177	1.269	5.176	7.910	4.054	1.659	0.6
27 0.089	0.005	-0.074	-0.126	-0.108				
PAU/MPA (GZU)		0.996	0.997	0.993	0.998	1.006	1.000	1.0
04 0.990	1.059	1.087	1.123	0.997				
PA/MPA (GZ)		0.996	0.997	0.993	0.998	1.006	1.000	1.0
04 0.990	1.059	1.087	1.123	0.997				

1
G) -- -- POLLUTANT MASS INPUT TO COLUMN (U

	OCT	NOV	DEC	JAN	FEB	MAR	APR
MAY	JUN	JUL	AUG	SEP			
PRECIP.	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+
00 0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00			
LOAD UPPER	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+
00 0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00			
LOAD ZONE 2	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+
00 0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00			
LOAD ZONE 3	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+
00 0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00			
LOAD LOWER	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+
00 0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00			
TOTAL INPUT	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+
00 0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00			

0 ---- POLLUTANT MASS DISTRIBUTION IN COLUMN (UG) ---- NOTE: IF COMPONENT I
S ZERO EACH MONTH, IT IS NOT PRINTED

UPPER SOIL ZONE:

SUBLAYER 1

VOLATILIZED	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+
00 0.000E+00	0.000E+00	0.000E+00	0.000E+00	1.113E+00	1.118E+00		
DEGRAD MOIS	9.353E-03	1.210E-02	1.517E-02	1.629E-02	1.455E-02	1.266E-02	1.106E-
02 9.471E-03	8.881E-03	9.467E-03	8.084E-03	8.054E-03			
DEGRAD SOIL	1.328E+00	1.328E+00	1.328E+00	1.328E+00	1.328E+00	1.328E+00	1.328E+
00 1.328E+00	1.328E+00	1.328E+00	1.328E+00	1.328E+00			
IN SOIL MOI	3.118E-02	4.033E-02	5.056E-02	5.430E-02	4.849E-02	4.219E-02	3.688E-
02 3.157E-02	2.960E-02	2.822E-02	2.695E-02	2.685E-02			
ADS ON SOIL	4.427E+00	4.427E+00	4.427E+00	4.427E+00	4.427E+00	4.427E+00	4.427E+
00 4.427E+00	4.427E+00	4.427E+00	4.427E+00	4.427E+00			
IN SOIL AIR	1.127E-01	9.862E-02	8.207E-02	7.643E-02	9.619E-02	9.685E-02	1.042E-
01 1.124E-01	1.148E-01	1.158E-01	1.179E-01	1.181E-01			

SUBLAYER 2

DEGRAD MOIS	1.169E-04	1.512E-04	1.896E-04	2.036E-04	1.818E-04	1.582E-04	1.383E-
04 1.184E-04	1.110E-04	1.058E-04	1.010E-04	1.007E-04			
DEGRAD SOIL	1.660E-02	1.660E-02	1.660E-02	1.660E-02	1.660E-02	1.660E-02	1.660E-
02 1.660E-02	1.660E-02	1.660E-02	1.660E-02	1.660E-02			
IN SOIL MOI	3.897E-04	5.041E-04	6.320E-04	6.787E-04	6.061E-04	5.274E-04	4.610E-
04 3.946E-04	3.700E-04	3.528E-04	3.368E-04	3.356E-04			
ADS ON SOIL	5.534E-02	5.534E-02	5.534E-02	5.534E-02	5.534E-02	5.534E-02	5.534E-

03 1.405E-03 1.435E-03 1.447E-03 1.474E-03 1.376E-03

SUBLAYER 3

SUBLAYER 4

SOIL ZONE 2:

SUBLAYER 1

SOIL ZONE 3:

SUBLAYER 1

LOWER SOIL ZONE:

SUBLAYER 1

--- POLLUTANT CONCENTRATIONS (UG/ML) OR (UG/G) --- NOTE: IF CONCENTRATIONS A
RE ZERO FOR EACH MONTH, THEY ARE NOT PRINTED ---

UPPER SOIL ZONE:

SUBLAYER 1

MOISTURE	8.000E-10	8.000E-10	8.000E-10	8.000E-10	8.000E-10	8.000E-10	8.000E-10	8.000E-10	8.000E-10	8.000E-10	8.000E-10	8.000E-10
%SOLUBILITY	4.000E-07	4.000E-07	4.000E-07	4.000E-07	4.000E-07	4.000E-07	4.000E-07	4.000E-07	4.000E-07	4.000E-07	4.000E-07	4.000E-07
ADSORBED	6.400E-09	6.400E-09	6.400E-09	6.400E-09	6.400E-09	6.400E-09	6.400E-09	6.400E-09	6.400E-09	6.400E-09	6.400E-09	6.400E-09
SOIL AIR	1.342E-09	1.359E-09	1.373E-09	1.387E-09	1.382E-09	1.379E-09	1.356E-09	1.346E-09	1.335E-09	1.320E-09	1.320E-09	1.321E-09

SUBLAYER 2

MOISTURE	1.000E-11	1.000E-11	1.000E-11	1.000E-11	1.000E-11	1.000E-11	1.000E-11	1.000E-11	1.000E-11	1.000E-11	1.000E-11	1.000E-11
%SOLUBILITY	5.000E-09	5.000E-09	5.000E-09	5.000E-09	5.000E-09	5.000E-09	5.000E-09	5.000E-09	5.000E-09	5.000E-09	5.000E-09	5.000E-09
ADSORBED	8.000E-11	8.000E-11	8.000E-11	8.000E-11	8.000E-11	8.000E-11	8.000E-11	8.000E-11	8.000E-11	8.000E-11	8.000E-11	8.000E-11
SOIL AIR	1.677E-11	1.699E-11	1.716E-11	1.734E-11	1.728E-11	1.724E-11	1.695E-11	1.682E-11	1.669E-11	1.650E-11	1.650E-11	1.651E-11

SOIL ZONE 2:

SOIL ZONE 3:

LOWER SOIL ZONE:

POL DEP CN	9.711E+01	9.756E+01	9.835E+01	9.913E+01	9.972E+01	1.002E+02	1.005E+02	1.006E+02	1.006E+02	1.006E+02	1.006E+02	1.006E+02

-- TOTAL INPUTS (UG) ---

UPPER SOIL ZONE	0.000E+00
SOIL ZONE 2	0.000E+00
SOIL ZONE 3	0.000E+00
LOWER SOIL ZONE	0.000E+00

--- HYDROLOGIC CYCLE COMPONENTS ---

AVERAGE SOIL MOISTURE ZONE 1 (%)	9.089
AVERAGE SOIL MOISTURE BELOW ZONE 1 (%)	9.089
TOTAL PRECIPITATION (CM)	46.017
TOTAL INFILTRATION (CM)	45.467
TOTAL EVAPOTRANSPIRATION (CM)	25.356
TOTAL SURFACE RUNOFF (CM)	0.546
TOTAL GRW RUNOFF (CM)	20.110
TOTAL MOISTURE RETENTION (CM)	0.000
TOTAL YIELD (CM)	20.661

O --- POLLUTANT MASS DISTRIBUTION IN COLUMN (UG) --- NOTE: IF COMPONENT I S ZERO EACH MONTH, IT IS NOT PRINTED

FOR FINAL MASS IN SOIL MOI., ADS. ON SOIL, SOIL AIR, IMMOBIL CEC, COMPLEXED, AN D PURE PHASE FOR EACH SUBLAYER, SEE ABOVE (MONTH SEP)

UPPER SOIL ZONE:

SUBLAYER 1

TOTAL VOLATILIZED	2.231E+00
TOTAL DEGRADED (MOISTURE)	1.341E-01
TOTAL DEGRADED (SOIL)	1.594E+01

SUBLAYER 2

TOTAL DEGRADED (MOISTURE)	1.677E-03
TOTAL DEGRADED (SOIL)	1.992E-01

SUBLAYER 3

SUBLAYER 4

SOIL ZONE 2:

SUBLAYER 1

SOIL ZONE 3:

SUBLAYER 1

LOWER SOIL ZONE:

SUBLAYER 1

-ZERO VALUES ARE PRINTED

UPPER SOIL ZONE:

SUBLAYER 1

SOIL MOISTURE (UG/ML)	8.000E-10
ADSORBED SOIL (UG/G)	6.400E-09
SOIL AIR (UG/ML)	1.352E-09

SUBLAYER 2

SOIL MOISTURE (UG/ML)	1.000E-11
ADSORBED SOIL (UG/G)	8.000E-11
SOIL AIR (UG/ML)	1.690E-11

SOIL ZONE 2:

SOIL ZONE 3:

LOWER SOIL ZONE:

MAX. POLL. DEPTH (M) 1.006E+00

1

YEAR -28 MONTHLY RESULTS (OUTPUT)

--- HYDROLOGIC CYCLE COMPONENTS ---

	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	JAN	FEB	MAR	APR
MOIS. IN L1 (%)			7.605	9.837	12.333	13.245	11.829	10.293	8.9			
97	7.701	7.221	6.885	6.573	6.549							
MOIS. BELOW L1 (%)			7.605	9.837	12.333	13.245	11.829	10.293	8.9			
97	7.701	7.221	6.885	6.573	6.549							
PRECIPATION (CM)			2.770	5.730	8.204	10.342	7.123	5.082	3.(			
34	0.951	0.328	0.120	0.135	0.598							
NET INFILT. (CM)			2.657	5.680	8.128	10.215	7.072	5.056	3.(			
19	0.946	0.298	0.106	0.124	0.566							
EVAPOTRANS. (CM)			1.910	3.016	1.412	1.841	3.983	5.417	3.8			
46	1.700	0.434	0.411	0.463	0.722							
MOIS. RETEN (CM)			0.684	1.445	1.616	0.591	-0.917	-0.994	-0.8			
39	-0.839	-0.311	-0.218	-0.202	-0.016							
SUR. RUNOFF (CM)			0.113	0.050	0.076	0.127	0.051	0.026	0.(			
15	0.000	0.030	0.013	0.011	0.033							
GRW. RUNOFF (CM)			0.064	1.219	5.100	7.783	4.005	1.633	0.4			
12	0.084	-0.025	-0.007	-0.137	-0.141							

PAU/MPA (OZU) 0.996 0.997 0.993 0.998 1.006 1.000 1.0
04 0.990 1.059 1.087 1.123 0.99?
PA/MPA (GZ) 0.996 0.997 0.993 0.998 1.006 1.000 1.0
04 0.990 1.059 1.087 1.123 0.99?

1 --- POLLUTANT MASS INPUT TO COLUMN (U
G) --

	MAY	OCT JUN	NOV JUL	DEC AUG	JAN SEP	FEB	MAR	APR
PRECIP.	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
LOAD UPPER	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
LOAD ZONE 2	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
LOAD ZONE 3	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
LOAD LOWER	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
TOTAL INPUT	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00

0 --- POLLUTANT MASS DISTRIBUTION IN COLUMN (UG) --- NOTE: IF COMPONENT 1
S ZERO EACH MONTH, IT IS NOT PRINTED

UPPER SOIL ZONE:

SUBLAYER 1

VOLATILIZED	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
	0.000E+00	0.000E+00	0.000E+00	1.113E+00	1.118E+00		
DEGRAD MOIS	9.353E-03	1.210E-02	1.517E-02	1.629E-02	1.455E-02	1.266E-02	1.106E-02
	9.471E-03	8.881E-03	8.467E-03	8.084E-03	8.054E-03		
DEGRAD SOIL	1.328E+00	1.328E+00	1.328E+00	1.328E+00	1.328E+00	1.328E+00	1.328E+00
	1.328E+00	1.328E+00	1.328E+00	1.328E+00	1.328E+00		
IN SOIL MOI	3.118E-02	4.033E-02	5.056E-02	5.430E-02	4.849E-02	4.219E-02	3.688E-02
	3.157E-02	2.960E-02	2.822E-02	2.695E-02	2.685E-02		
ADS ON SOIL	4.427E+00	4.427E+00	4.427E+00	4.427E+00	4.427E+00	4.427E+00	4.427E+00
	4.427E+00	4.427E+00	4.427E+00	4.427E+00	4.427E+00		
IN SOIL AIR	1.127E-01	9.862E-02	8.207E-02	7.643E-02	8.619E-02	9.695E-02	1.042E-01
	1.124E-01	1.148E-01	1.158E-01	1.179E-01	1.181E-01		

SUBLAYER 2

DEGRAD MOIS	1.169E-04	1.512E-04	1.896E-04	2.036E-04	1.818E-04	1.582E-04	1.383E-04
	1.184E-04	1.110E-04	1.058E-04	1.010E-04	1.007E-04		
DEGRAD SOIL	1.660E-02	1.660E-02	1.660E-02	1.660E-02	1.660E-02	1.660E-02	1.660E-02
	1.660E-02	1.660E-02	1.660E-02	1.660E-02	1.660E-02		
IN SOIL MOI	3.897E-04	5.041E-04	6.320E-04	6.787E-04	6.061E-04	5.274E-04	4.610E-04
	3.946E-04	3.700E-04	3.528E-04	3.368E-04	3.356E-04		
ADS ON SOIL	5.534E-02	5.534E-02	5.534E-02	5.534E-02	5.534E-02	5.534E-02	5.534E-02
	5.534E-02	5.534E-02	5.534E-02	5.534E-02	5.534E-02		
IN SOIL AIR	1.409E-03	1.233E-03	1.026E-03	9.553E-04	1.077E-03	1.211E-03	1.303E-03
	1.405E-03	1.435E-03	1.447E-03	1.474E-03	1.476E-03		

SUBLAYER 4

SOIL ZONE 2:

SUBLAYER 1

SOIL ZONE 3:

SUBLAYER 1

LOWER SOIL ZONE:

SUBLAYER 1

-- POLLUTANT CONCENTRATIONS (UG/ML) OR (UG/G) ---- NOTE: IF CONCENTRATIONS ARE ZERO FOR EACH MONTH, THEY ARE NOT PRINTED --

UPPER SOIL ZONE:

SUBLAYER 1

MOISTURE	8.000E-10	8.000E-10	8.000E-10	8.000E-10	8.000E-10	8.000E-10	8.000E-10	8.000E-10	8.000E-10	8.000E-10	8.000E-10	8.000E-10
%SOLUBILITY	4.000E-07	4.000E-07	4.000E-07	4.000E-07	4.000E-07	4.000E-07	4.000E-07	4.000E-07	4.000E-07	4.000E-07	4.000E-07	4.000E-07
ADSORBED	6.400E-09	6.400E-09	6.400E-09	6.400E-09	6.400E-09	6.400E-09	6.400E-09	6.400E-09	6.400E-09	6.400E-09	6.400E-09	6.400E-09
SOIL AIR	1.342E-09	1.359E-09	1.373E-09	1.387E-09	1.382E-09	1.379E-09	1.356E-09	1.346E-09	1.335E-09	1.320E-09	1.320E-09	1.321E-09

SUBLAYER 2

MOISTURE	1.000E-11	1.000E-11	1.000E-11	1.000E-11	1.000E-11	1.000E-11	1.000E-11	1.000E-11	1.000E-11	1.000E-11	1.000E-11	1.000E-11
%SOLUBILITY	5.000E-09	5.000E-09	5.000E-09	5.000E-09	5.000E-09	5.000E-09	5.000E-09	5.000E-09	5.000E-09	5.000E-09	5.000E-09	5.000E-09
ADSORBED	8.000E-11	8.000E-11	8.000E-11	8.000E-11	8.000E-11	8.000E-11	8.000E-11	8.000E-11	8.000E-11	8.000E-11	8.000E-11	8.000E-11
SOIL AIR	1.677E-11	1.699E-11	1.716E-11	1.734E-11	1.728E-11	1.724E-11	1.695E-11	1.682E-11	1.669E-11	1.650E-11	1.650E-11	1.651E-11

SOIL ZONE 2:

SOIL ZONE 3:

LOWER SOIL ZONE:

PCL DEP CM	1.008E+02	1.013E+02	1.020E+02	1.029E+02	1.034E+02	1.039E+02	1.042E+02	1.043E+02	1.043E+02	1.043E+02	1.043E+02	1.043E+02

UPPER SOIL ZONE	0.000E+00
SOIL ZONE 2	0.000E+00
SOIL ZONE 3	0.000E+00
LOWER SOIL ZONE	0.000E+00

--- HYDROLOGIC CYCLE COMPONENTS ---

AVERAGE SOIL MOISTURE ZONE 1 (%)	9.089
AVERAGE SOIL MOISTURE BELOW ZONE 1 (%)	9.089
TOTAL PRECIPITATION (CM)	46.017
TOTAL INFILTRATION (CM)	45.467
TOTAL EVAPOTRANSPIRATION (CM)	25.356
TOTAL SURFACE RUNOFF (CM)	0.546
TOTAL GRW RUNOFF (CM)	20.110
TOTAL MOISTURE RETENTION (CM)	0.000
TOTAL YIELD (CM)	20.661

O --- POLLUTANT MASS DISTRIBUTION IN COLUMN (UG) --- NOTE: IF COMPONENT I
S ZERO EACH MONTH, IT IS NOT PRINTED

FOR FINAL MASS IN SOIL MOI., ADS. ON SOIL, SOIL AIR, IMMOBIL CEC, COMPLEXED, AN
D PURE PHASE FOR EACH SUBLAYER, SEE ABOVE (MONTH SEP)

UPPER SOIL ZONE:

SUBLAYER 1

TOTAL VOLATILIZED	2.231E+00
TOTAL DEGRADED (MOISTURE)	1.341E-01
TOTAL DEGRADED (SOIL)	1.594E+01

SUBLAYER 2

TOTAL DEGRADED (MOISTURE)	1.677E-03
TOTAL DEGRADED (SOIL)	1.992E-01

SUBLAYER 3

SUBLAYER 4

SOIL ZONE 2:

SUBLAYER 1

SOIL ZONE 3:

SUBLAYER 1

LOWER SOIL ZONE:

SUBLAYER 1

1 --- AVERAGE POLLUTANT CONCENTRATIONS --- NOTE: ONLY NON
-ZERO VALUES ARE PRINTED ---

UPPER SOIL ZONE:

SUBLAYER 1

SOIL MOISTURE (UG/ML)	8.000E-10
ADSORBED SOIL (UG/G)	6.400E-09
SOIL AIR (UG/ML)	1.352E-09

SUBLAYER 2

SOIL MOISTURE (UG/ML)	1.000E-11
ADSORBED SOIL (UG/G)	8.000E-11
SOIL AIR (UG/ML)	1.690E-11

SOIL ZONE 2:

SOIL ZONE 3:

LOWER SOIL ZONE:

MAX. FOIL. DEPTH (M)	1.044E+00

1

YEAR -29 MONTHLY RESULTS (OUTPUT)

--- HYDROLOGIC CYCLE COMPONENTS ---

	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	JAN	FEB	MAR	APR
MOIS. IN L1 (%)			7.605	9.837	12.333	13.245	11.829	10.293	8.9			
97	7.701	7.221	6.885	6.573	6.549							
MOIS. BELOW L1 (%)			7.605	9.837	12.333	13.245	11.829	10.293	8.9			
97	7.701	7.221	6.885	6.573	6.549							
PRECIPATION (CM)			2.770	5.730	0.204	10.342	7.123	6.082	3.6			
34	0.951	0.328	0.120	0.135	0.598							
NET INFILT. (CM)			2.657	5.680	8.120	10.215	7.072	6.056	3.6			
19	0.946	0.298	0.106	0.124	0.566							
EVAPOTRANS. (CM)			1.910	3.016	1.412	1.841	3.983	5.417	7.6			
46	1.700	0.634	0.411	0.463	0.722							
MOIS. RETEN (CM)			0.604	1.445	1.616	0.591	-0.917	-0.994	-0.8			
39	-0.839	-0.311	-0.218	-0.202	-0.016							
SUR. RUNOFF (CM)			0.113	0.050	0.076	0.127	0.051	0.026	0.0			
15	0.000	0.030	0.013	0.011	0.033							
GRW. RUNOFF (CM)			0.064	1.219	5.100	7.783	4.005	1.633	0.7			
12	0.084	-0.025	-0.037	-0.137	-0.141							
YIELD (CM)			0.177	1.269	5.176	7.910	4.056	1.659	0.6			
27	0.089	0.005	-0.074	-0.126	-0.108							
PAW/MPA (GZU)			0.996	0.997	0.993	0.998	1.006	1.000	1.0			

04 0.990 1.059 1.087 1.123 0.9??

1 POLLUTANT MASS INPUT TO COLUMN (U
G) --

	MAY	OCT JUN	NOV JUL	DEC AUG	JAN SEP	FEB	MAR	APR
PRECIP.	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
LOAD UPPER	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
LOAD ZONE 2	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
LOAD ZONE 3	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
LOAD LOWER	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
TOTAL INPUT	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00

0 --- POLLUTANT MASS DISTRIBUTION IN COLUMN (UG) --- NOTE: IF COMPONENT IS ZERO EACH MONTH, IT IS NOT PRINTED

UPPER SOIL ZONE:

SUBLAYER 1

VOLATILIZED	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
	0.000E+00	0.000E+00	0.000E+00	1.113E+00	1.118E+00		
DEGRAD MOIS	9.353E-03	1.210E-02	1.517E-02	1.629E-02	1.455E-02	1.266E-02	1.106E-02
	9.471E-03	8.881E-03	8.467E-03	8.084E-03	8.054E-03		
DEGRAD SOIL	1.328E+00	1.328E+00	1.328E+00	1.328E+00	1.328E+00	1.328E+00	1.328E+00
	1.328E+00	1.328E+00	1.328E+00	1.328E+00	1.328E+00		
IN SOIL MOI	3.118E-02	4.033E-02	5.056E-02	5.430E-02	4.849E-02	4.219E-02	3.688E-02
	3.157E-02	2.960E-02	2.822E-02	2.695E-02	2.685E-02		
ADS ON SOIL	4.427E+00	4.427E+00	4.427E+00	4.427E+00	4.427E+00	4.427E+00	4.427E+00
	4.427E+00	4.427E+00	4.427E+00	4.427E+00	4.427E+00		
IN SOIL AIR	1.127E-01	9.862E-02	8.207E-02	7.643E-02	8.619E-02	9.685E-02	1.042E-01
	1.124E-01	1.148E-01	1.158E-01	1.179E-01	1.181E-01		

SUBLAYER 2

DEGRAD MOIS	1.169E-04	1.512E-04	1.896E-04	2.036E-04	1.819E-04	1.582E-04	1.383E-04
	1.184E-04	1.110E-04	1.058E-04	1.010E-04	1.007E-04		
DEGRAD SOIL	1.660E-02	1.660E-02	1.660E-02	1.660E-02	1.660E-02	1.660E-02	1.660E-02
	1.660E-02	1.660E-02	1.660E-02	1.660E-02	1.660E-02		
IN SOIL MOI	3.897E-04	5.041E-04	6.320E-04	6.787E-04	6.061E-04	5.274E-04	4.610E-04
	3.946E-04	3.700E-04	3.529E-04	3.368E-04	3.356E-04		
ADS ON SOIL	5.534E-02	5.534E-02	5.534E-02	5.534E-02	5.534E-02	5.534E-02	5.534E-02
	5.534E-02	5.534E-02	5.534E-02	5.534E-02	5.534E-02		
IN SOIL AIR	1.409E-03	1.?33E-03	1.026E-03	9.553E-04	1.077E-03	1.211E-03	1.303E-03
	1.405E-03	1.435E-03	1.447E-03	1.474E-03	1.476E-03		

SUBLAYER 3

SUBLAYER 4

SOIL ZONE 2:

SUBLAYER 1

SOIL ZONE 3:

SUBLAYER 1

LOWER SOIL ZONE:

SUBLAYER 1

- POLLUTANT CONCENTRATIONS (UG/ML) OR (UG/G) --- NOTE: IF CONCENTRATIONS ARE ZERO FOR EACH MONTH, THEY ARE NOT PRINTED --

UPPER SOIL ZONE:

SUBLAYER 1

MOISTURE	8.000E-10	8.000E-10	8.000E-10	8.000E-10	8.000E-10	8.000E-10	8.000E-10	8.000E-10	8.000E-10	8.000E-10	8.000E-10
%SOLUBILITY	4.000E-07	4.000E-07	4.000E-07	4.000E-07	4.000E-07	4.000E-07	4.000E-07	4.000E-07	4.000E-07	4.000E-07	4.000E-07
ADSORBED	6.400E-09	6.400E-09	6.400E-09	6.400E-09	6.400E-09	6.400E-09	6.400E-09	6.400E-09	6.400E-09	6.400E-09	6.400E-09
SOIL AIR	1.342E-09	1.359E-09	1.373E-09	1.387E-09	1.382E-09	1.379E-09	1.356E-09	1.346E-09	1.335E-09	1.320E-09	1.320E-09

1.321E-09

SUBLAYER 2

MOISTURE	1.000E-11	1.000E-11	1.000E-11	1.000E-11	1.000E-11	1.000E-11	1.000E-11	1.000E-11	1.000E-11	1.000E-11	1.000E-11
%SOLUBILITY	5.000E-09	5.000E-09	5.000E-09	5.000E-09	5.000E-09	5.000E-09	5.000E-09	5.000E-09	5.000E-09	5.000E-09	5.000E-09
ADSORBED	8.000E-11	8.000E-11	8.000E-11	8.000E-11	8.000E-11	8.000E-11	8.000E-11	8.000E-11	8.000E-11	8.000E-11	8.000E-11
SOIL AIR	1.677E-11	1.699E-11	1.716E-11	1.734E-11	1.728E-11	1.724E-11	1.695E-11	1.682E-11	1.669E-11	1.650E-11	1.650E-11

1.651E-11

SOIL ZONE 2:

SOIL ZONE 3:

LOWER SOIL ZONE:

POL DEP ON	1.046E+02	1.050E+02	1.057E+02	1.064E+02	1.072E+02	1.077E+02	1.079E+02	1.080E+02	1.080E+02	1.080E+02	1.081E+02

--- TOTAL INPUTS (UG) ---

UPPER SOIL ZONE 0.000E+00

LOWER SOIL ZONE 0.000E+00

--- HYDROLOGIC CYCLE COMPONENTS ---

AVERAGE SOIL MOISTURE ZONE 1 (%)	9.089
AVERAGE SOIL MOISTURE BELOW ZONE 1 (%)	9.089
TOTAL PRECIPITATION (CM)	46.017
TOTAL INFILTRATION (CM)	45.467
TOTAL EVAPOTRANSPIRATION (CM)	25.356
TOTAL SURFACE RUNOFF (CM)	0.546
TOTAL GRW RUNOFF (CM)	20.110
TOTAL MOISTURE RETENTION (CM)	0.000
TOTAL YIELD (CM)	20.661

0 --- POLLUTANT MASS DISTRIBUTION IN COLUMN (UG) --- NOTE: IF COMPONENT I
S ZERO EACH MONTH, IT IS NOT PRINTED

FOR FINAL MASS IN SOIL MOI., ADS. ON SOIL, SOIL AIR, IMMOBIL CEC, COMPLEXED, AN
D PURE PHASE FOR EACH SUBLAYER, SEE ABOVE (MONTH SEP)

UPPER SOIL ZONE:

SUBLAYER 1

TOTAL VOLATILIZED	2.231E+00
TOTAL DEGRADED (MOISTURE)	1.341E-01
TOTAL DEGRADED (SOIL)	1.594E+01

SUBLAYER 2

TOTAL DEGRADED (MOISTURE)	1.677E-03
TOTAL DEGRADED (SOIL)	1.992E-01

SUBLAYER 3

SUBLAYER 4

SOIL ZONE 2:

SUBLAYER 1

SOIL ZONE 3:

SUBLAYER 1

LOWER SOIL ZONE:

SUBLAYER 1

1 --- AVERAGE POLLUTANT CONCENTRATIONS --- NOTE: ONLY NON
-ZERO VALUES ARE PRINTED -

UPPER SOIL ZONE:

SOIL MOISTURE (UG/ML) 8.000E-10
ADSORBED SOIL (UG/G) 6.400E-09
SOIL AIR (UG/ML) 1.350E-09

SUBLAYER 2

SOIL MOISTURE (UG/ML) 1.000E-11
ADSORBED SOIL (UG/G) 8.000E-11
SOIL AIR (UG/ML) 1.490E-11

SOIL ZONE 2:

SOIL ZONE 3:

LOWER SOIL ZONE:

MAX. POLL. DEPTH (M) 1.081E+00

1

YEAR -30 MONTHLY RESULTS (OUTPUT)

--- HYDROLOGIC CYCLE COMPONENTS ---

	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	JAN	FEB	MAR	APR
MOIS. IN L1 (%)			7.605	9.837	12.333	13.245	11.829	10.293	8.9			
97	7.701	7.221	6.885	6.573	6.549							
MOIS. BELOW L1 (%)			7.605	9.837	12.333	13.245	11.829	10.293	8.9			
97	7.701	7.221	6.885	6.573	6.549							
PRECIPATION (CM)			2.770	5.730	8.204	10.342	7.123	6.082	3.6			
34	0.951	0.328	0.120	0.135	0.596							
NET INFILT. (CM)			2.657	5.680	8.128	10.215	7.072	6.056	3.6			
19	0.946	0.298	0.106	0.174	0.566							
EVAPOTRANS. (CM)			1.910	3.016	1.412	1.841	3.983	5.417	3.8			
46	1.700	0.634	0.411	0.463	0.722							
MOIS. RETEN (CM)			0.684	1.445	1.616	0.591	-0.917	-0.994	-0.2			
39	-0.839	-0.311	-0.218	-0.202	-0.016							
SUR. RUNOFF (CM)			0.113	0.050	0.076	0.127	0.051	0.026	0.0			
15	0.000	0.030	0.013	0.011	0.033							
GRW. RUNOFF (CM)			0.064	1.212	5.109	7.783	4.005	1.633	0.6			
12	0.084	-0.025	-0.087	-0.137	0.141							
YIELD (CM)			0.177	1.269	5.176	7.910	4.056	1.659	0.6			
27	0.089	0.005	-0.074	-0.126	-0.108							
PAU/MPA (GZU)			0.996	0.997	0.993	0.998	1.006	1.000	1.0			
04	0.990	1.059	1.087	1.123	0.997							
PA/MPA (GZ)			0.996	0.997	0.993	0.998	1.006	1.000	1.0			
04	0.990	1.059	1.087	1.123	0.997							

	OCT	NOV	DEC	JAN	FEB	MAR	APR
MAY	JUN	JUL	AUG	SEP			
PRECIP.	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00			
LOAD UPPER	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00			
LOAD ZONE 2	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00			
LOAD ZONE 3	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00			
LOAD LOWER	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00			
TOTAL INPUT	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00			

0 --- POLLUTANT MASS DISTRIBUTION IN COLUMN (UG) --- NOTE: IF COMPONENT IS ZERO EACH MONTH, IT IS NOT PRINTED

UPPER SOIL ZONE:

SUBLAYER 1

VOLATILIZED	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
0.000E+00	0.000E+00	0.000E+00	0.000E+00	1.113E+00	1.118E+00		
DEGRAD MOIS	9.353E-03	1.210E-02	1.517E-02	1.629E-02	1.455E-02	1.266E-02	1.106E-02
9.471E-03	8.881E-03	8.467E-03	8.084E-03	8.054E-03			
DEGRAD SOIL	1.328E+00	1.328E+00	1.328E+00	1.328E+00	1.328E+00	1.328E+00	1.328E+00
1.328E+00	1.328E+00	1.328E+00	1.328E+00	1.328E+00			
IN SOIL MOI	3.118E-02	4.033E-02	5.056E-02	5.430E-02	4.849E-02	4.219E-02	3.688E-02
3.157E-02	2.960E-02	2.822E-02	2.695E-02	2.685E-02			
ADS ON SOIL	4.427E+00	4.427E+00	4.427E+00	4.427E+00	4.427E+00	4.427E+00	4.427E+00
4.427E+00	4.427E+00	4.427E+00	4.427E+00	4.427E+00			
IN SOIL AIR	1.127E-01	9.862E-02	8.207E-02	7.643E-02	8.619E-02	9.685E-02	1.042E-01
1.124E-01	1.148E-01	1.158E-01	1.179E-01	1.181E-01			

SUBLAYER 2

DEGRAD MOIS	1.169E-04	1.512E-04	1.896E-04	2.036E-04	1.818E-04	1.582E-04	1.383E-04
1.184E-04	1.110E-04	1.058E-04	1.010E-04	1.007E-04			
DEGRAD SOIL	1.660E-02	1.660E-02	1.660E-02	1.660E-02	1.660E-02	1.660E-02	1.660E-02
1.660E-02	1.660E-02	1.660E-02	1.660E-02	1.660E-02			
IN SOIL MOI	3.897E-04	5.041E-04	6.320E-04	6.787E-04	6.061E-04	5.274E-04	4.610E-04
3.946E-04	3.700E-04	3.528E-04	3.368E-04	3.356E-04			
ADS ON SOIL	5.534E-02	5.534E-02	5.534E-02	5.534E-02	5.534E-02	5.534E-02	5.534E-02
5.534E-02	5.534E-02	5.534E-02	5.534E-02	5.534E-02			
IN SOIL AIR	1.409E-03	1.233E-03	1.026E-03	9.553E-04	1.077E-03	1.211E-03	1.383E-03
1.405E-03	1.435E-03	1.447E-03	1.474E-03	1.476E-03			

SUBLAYER 3

SUBLAYER 4

SOIL ZONE 2:

Versar INC.

Xylene

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*****************************************************************************
*****************************

***** SESOIL 84 : SEASONAL CYCLES OF WATER, SEDIMENT, AND POLLUTANTS IN SOIL E
NVIRONMENTS                *****
*****
                           *****
***** DEVELOPERS:  M. BONAZOUNTAS,ARTHUR D. LITTLE INC.   ,(617)864-5770,X5871
                           *****
*****                      J. WAGNER       ,DIS/ADAPTE, INC.        ,(617)492-1991,X5020
                           *****
*****
                           *****
***** MODIFIED EXTENSIVELY BY:
                           *****
***** D.M. HETRICK
                           *****
***** OAK RIDGE NATIONAL LABORATORY
                           *****
***** (615) 576-7556
                           *****
***** VERSION   :  SEPTEMBER 1986
                           *****
*****
                           *****
*****************************************************************************
*****************************


                           ****** MONTHLY SESOIL MODEL OPERATION ******
                                  MONTHLY SITE SPECIFIC SIMULATION


 REGION            :       OAKLAND WSO AP
 SOIL TYPE         :       SANDY CLAY
 COMPOUND          :       xylenes/diesel
 WASHLOAD DATA     :
 APPLICATION AREA:         SANTA RITA JAIL


 WARNING: SOIL PERMEABILITY VARYS CONSIDERABLY AMONG LAYERS
 SESOIL MAY NOT BE ACCURATE FOR SUCH AN INHOMOGENEOUS COLUMN

 WARNING: SOIL PERMEABILITY VARYS CONSIDERABLY AMONG LAYERS
 SESOIL MAY NOT BE ACCURATE FOR SUCH AN INHOMOGENEOUS COLUMN


      GENERAL INPUT PARAMETERS
      ------------------------


         SOIL INPUT PARAMETERS

 SOIL DENSITY (G/CM**3):                                        1.80
 INTRINSIC PERMEABILITY (CM**2):                                .150E 09
 DISCONNECTEDNESS INDEX ( ):                                    6.00
 POROSITY ( ):                                                  .260
 [illegible]                                                    [illegible]
 [illegible]                                                    [illegible]
```

[illegible]

[illegible]	[illegible]
[illegible]	[illegible]
[illegible]	[illegible]
[illegible]	[illegible]
[illegible]	[illegible]
[illegible]	[illegible]
[illegible]	.100
NEUTRAL HYDROLYSIS CONSTANT (/DAY):	[illegible]
BASE HYDROLYSIS CONSTANT (L/MOL DAY):	.000
ACID HYDROLYSIS CONSTANT (L/MOL DAY):	.000
DEGRADATION RATE IN MOISTURE (/DAY):	.100
DEGRADATION RATE IN SOIL (/DAY):	.000
LIGAND-POLLUTANT STABILITY CONSTANT (-):	1.00
NO. MOLES LIGAND/MOLE POLLUTANT (-):	[illegible]
LIGAND MOLECULAR WEIGHT (G/MOL):	[illegible]

APPLICATION INPUT PARAMETERS

NUMBER OF SOIL LAYERS:	[illegible]			
YEARS TO BE SIMULATED:	30			
AREA (CM**2):	0.810E+07			
APPLICATION AREA LATITUDE (DEG.):	37.6			
SPILL (1) OR STEADY APPLICATION (0):	1			
DEPTHS (CM):	0.24E+03	0.37E+00	[illegible] 5.	0.12E-0[illegible]
NUMBER OF SUBLAYERS/LAYER	4	1	1	[illegible]
PH (CM):	7.0	7.0	7.0	7.0
INTRINSIC PERMEABILITIES (CM**2):	0.10E-08	0.10E-10	0.10E-08	0.10E-10
KDEL RATIOS (-):	1.0	1.0	1.0	
KDES RATIOS (-):	1.0	1.0	1.0	
OC RATIOS (-):	1.0	0.00	1.0	
CEC RATIOS (-):	1.0	1.0	1.0	
FRN RATIOS(-):	1.0	1.0	1.0	
ADS RATIOS(-):	1.0	1.0	1.0	

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YEAR 1, MONTHLY INPUT PARAMETERS

CLIMATIC INPUT PARAMETERS

	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
TEMP. (DEG C)	10.[illegible]	12.03[illegible]	9.550	[illegible]	10.030	11.07[illegible]	12.[illegible]4[illegible]	1[illegible].810	1[illegible].110	10.090	18.000	10.50[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	0.760	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]

[illegible]

POLLUTANT INPUT PARAMETERS

```
 POL. INP-1 (UG/CM**2)  0.00E-01 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.
00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00
 TRNSFORMD 1 (UG/CM**2) 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.
00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00
 SINKS-1 (UG/CM**2)     0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.
00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00
 LIG.INPUT 1 (UG/CM**2) 1.61E+03 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.
00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00
 VOLATILIZATION MULT. 1 1.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.
00E+00 0.00E+00 0.00E+00 0.00E+00 1.00E+00 1.00E+00
 SURFACE RUNOFF MULT.   0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.
00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00
 POL. IN RAIN (FRAC-SL) 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.
00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00

 POL. INP-2 (UG/CM**2)  0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.
00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00
 TRNSFORMD 2 (UG/CM**2) 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.
00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00
 SINKS-2 (UG/CM**2)     0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.
00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00
 LIG.INPUT-2 (UG/CM**2) 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.
00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00
 VOLATILIZATION MULT. 2 1.00E+00 1.00E+00 1.00E+00 1.00E+00 1.00E+00 1.00E+00 1.
00E+00 1.00E+00 1.00E+00 1.00E+00 1.00E+00 1.00E+00

 POL. INP-3 (UG/CM**2)  0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.
00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00
 TRNSFORMD-3 (UG/CM**2) 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.
00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00
 SINKS-3 (UG/CM**2)     0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.
00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00
 LIG.INPUT 3 (UG/CM**2) 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.
00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00
 VOLATILIZATION MULT. 3 1.00E+00 1.00E+00 1.00E+00 1.00E+00 1.00E+00 1.00E+00 1.
00E+00 1.00E+00 1.00E+00 1.00E+00 1.00E+00 1.00E+00

 [illegible] (UG/CM**2) [illegible] 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.
00E+00 [illegible] 0.00E+00 [illegible] 0.00E+00 0.00E+00
 [illegible] (UG/CM**2) [illegible] 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.
00E+00 [illegible] 0.00E+00
 [illegible]
 [illegible] 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.
[illegible] 0.00E+00 0.00E+00
 [illegible] 1.00E+00 1.00E+00 1.00E+00 1.00E+00 1.
[illegible]
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[illegible] INPUT PARAMETERS ARE SAME AS LAST YEAR

POLLUTANT INPUT PARAMETERS

```
 POL. INP 1 (UG/CM**2) [illegible] 0.00E+00 0.
00E+00 [illegible] 0.00E+00
 TRNSFORMD 1 (UG/CM**2) [illegible] 0.00E+00 0.00E+00 0.
00E+00 0.00E+00 [illegible] 0.00E+00 0.00E+00
 SINKS 1 (UG/CM**2) [illegible] 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.
00E+00 [illegible] 0.00E+00 0.00E+00
 LIG.INPUT 1 (UG/CM**2) [illegible] 0.00E+00 0.00E+00 [illegible] 0.00E+00 0.00E+00 0.
00E+00 [illegible] 0.00E+00 0.00E+00
 VOLATILIZATION MULT. 1 [illegible] 0.00E+00 0.00E+00 [illegible] 0.00E+00 0.00E+00 0.
[illegible]
 [illegible] 0.
00E+00 [illegible] 0.00E+00
 POL. IN RAIN [illegible]
00E+00 [illegible] 0.00E+00 0.00E+00 0.00E+00

 POL. INP 2 (UG/CM**2) 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.
00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00
 TRNSFORMD 2 (UG/CM**2) 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.
00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00
 SINKS 2 (UG/CM**2)     0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.
00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00
 LIG.INPUT 2 (UG/CM**2) 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.
00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00
 VOLATILIZATION MULT. 2 1.00E+00 1.00E+00 1.00E+00 1.00E+00 1.00E+00 1.00E+00 1.
00E+00 1.00E+00 1.00E+00 1.00E+00 1.00E+00 1.00E+00

 POL. INP 3 (UG/CM**2)  0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.
00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00
 TRNSFORMD 3 (UG/CM**2) 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.
00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00
 SINKS 3 (UG/CM**2)     0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.
00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00
 LIG.INPUT 3 (UG/CM**2) 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.
00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00
 VOLATILIZATION MULT. 3 1.00E+00 1.00E+00 1.00E+00 1.00E+00 1.00E+00 1.00E+00 1.
00E+00 1.00E+00 1.00E+00 1.00E+00 1.00E+00 1.00E+00

 POL. INP 1 (UG/CM**2)  0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.
00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00
 TRNSFORMD 1 (UG/CM**2) 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.
00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00
 SINKS 1 (UG/CM**2) [illegible] 0.00E+00 0.00E+00 [illegible]
00E+00 [illegible] 0.00E+00
 LIG.INPUT 1 (UG/CM**2) [illegible] 0.00E+00 0.00E+00 [illegible] 0.00E+00 0.
00E+00 [illegible] 0.00E+00 0.00E+00
 VOLATILIZATION MULT. 1 [illegible] 1.00E+00 1.00E+00 [illegible] 1.
00E+00 1.00E+00 [illegible]
1
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[illegible] ANNUAL INPUT PARAMETERS

[illegible] INPUT PARAMETERS ARE SAME AS LAST YEAR

[illegible]

[illegible]

VOLATILIZATION MULT. 1 0.00E+00 0.00E-00 0.00E+00 0.00E-00 1.00E+00 0.00E+00 0.
00E+00 0.00E+00 0.00E+00 0.00E+00 1.00E+00 1.00E+00
SURFACE RUNOFF MULT. 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E-00 0.
00E-00 0.00E+00 0.00E-00 0.00E+00 0.00E+00 0.00E+00
POL. IN RAIN (FRAC-SL) 0.00E+00 0.00E+00 0.00E+00 0.00E-00 0.00E+00 0.00E+00 0.
00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E-00 0.00E+00

[illegible]

00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E-00
TRNSFORMD-2 (UG/CM**2) 0.00E-00 0.00E-00 0.00E-00 0.00E-00 0.00E+00 0.00E-00 0.
00E-00 0.00E+00 0.00E-00 0.00E+00 0.00E+00 0.00E+00
SINKS-2 (UG/CM**2) 0.00E-00 0.00E-00 0.00E+00 0.00E-00 0.00E+00 0.00E-00 0.
00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00
LIG.INPUT-2 (UG/CM**2) 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E-00 0.00E+00 0.
00E-00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00
VOLATILIZATION MULT.-2 1.00E+00 1.00E+00 1.00E+00 1.00E+00 1.00E+00 1.00E+00 1.
00E+00 1.00E+00 1.00E+00 1.00E+00 1.00E+00 1.00E+00

POL. INP-3 (UG/CM**2) 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.
00E-00 0.00E+00 0.00E+00 0.00E+00 0.00E-00 0.00E-00
TRNSFORMD-3 (UG/CM**2) 0.00E+00 0.00E+00 0.00E+00 0.00E-00 0.00E+00 0.00E-00 0.
00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00
SINKS-3 (UG/CM**2) 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.
00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00
LIG.INPUT-3 (UG/CM**2) 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.
00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00
VOLATILIZATION MULT.-3 1.00E+00 1.00E+00 1.00E 00 1.00E-00 1.00E+00 1.00E+00 1.
00E+00 1.00E-00 1.00E+00 1.00E+00 1.00E+00 1.00E+00

POL. INP-L (UG/CM**2) 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.
00E+00 0.00E+00 0.00E-00 0.00E+00 0.00E+00 0.00E+00
TRNSFORMD-L (UG/CM**2) 0.00E+00 0.00E-00 0.00E+00 0.00E+00 0.00E+00 0.00E-00 0.
00E-00 0.00E-00 0.00E+00 0.00E+00 0.00E-00 0.00E+00
SINKS-L (UG/CM**2) 0.00E+00 0.00E-00 0.00E+00 0.00E+00 0.00E+00 0.00E-00 0.
00E-00 0.00E-00 0.00E+00 0.00E+00 0.00E+00 0.00E-00
LIG.INPUT-L (UG/CM**2) 0.00E-00 0.00E+00 0.00E+00 0.00E+00 0.00E-00 0.00E 00 0.
00E-00 1.00E 00 0.00E+00 0.00E+00 0.00E+00 0.00E+00
VOLATILIZATION MULT.-L 1.00E-00 1.00E+00 1.00E+00 1.00E-00 1.00E+00 1.00E-00 1.
00E-00 1.00E 00 1.00E-00 1.00E+00 1.00E-00 1.00E+00
1

[illegible] MONTHLY INPUT PARAMETERS

[illegible] INPUT PARAMETERS ARE SAME AS LAST YEAR

[illegible] INPUT PARAMETERS

[illegible]

[illegible]

POL. INP 2 (UG/CM**2) 1.00E+00 1.00E+00 1.00E+00 1.00E+00 1.00E+00 1.00E+00 1.00E+00 1.00E+00 1.00E+00 1.00E+00 1.00E+00 1.00E+00

[illegible]

POL. INP 2 (UG/CM**2) 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00

[illegible]

POL. INP 2 (UG/CM**2) 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00

[illegible]

POL. INP 1 (UG/CM**2) 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00

[illegible]

1

YEAR = 5 MONTHLY INPUT PARAMETERS

[illegible]

- CLIMATIC INPUT PARAMETERS ARE SAME AS LAST YEAR

- POLLUTANT INPUT PARAMETERS -

[illegible]

[illegible] 0.00E+00 0.00E+00 0.
00E+00 [illegible]

POL. INP-2 (UG/CM**2) [illegible] 0.00E+00 0.
00E+00 [illegible]
TRNSFORMD-2 (UG/CM**2) [illegible] 0.00E+00 0.
00E+00 [illegible]
SINKS-2 (UG/CM**2) [illegible] 0.00E+00 0.
00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00
LIG.INPUT 2 (UG/CM**2) 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.
00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00
VOLATILIZATION MULT.-2 1.00E+00 1.00E+00 1.00E+00 1.00E+00 1.00E+00 1.00E+00 1.
00E+00 1.00E+00 1.00E+00 1.00E+00 1.00E+00 1.00E+00

POL. INP-3 (UG/CM**2) 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.
00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00
TRNSFORMD-3 (UG/CM**2) 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.
00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00
SINKS-3 (UG/CM**2) 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.
00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00
LIG.INPUT 3 (UG/CM**2) 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.
00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00
VOLATILIZATION MULT.-3 1.00E+00 1.00E+00 1.00E+00 1.00E+00 1.00E+00 1.00E+00 1.
00E+00 1.00E+00 1.00E+00 1.00E+00 1.00E+00 1.00E+00

POL. INP-L (UG/CM**2) 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.
00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00
TRNSFORMD-L (UG/CM**2) 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.
00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00
SINKS-L (UG/CM**2) 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.
00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00
LIG.INPUT-L (UG/CM**2) 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.
00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00
VOLATILIZATION MULT.-L 1.00E+00 1.00E+00 1.00E+00 1.00E+00 1.00E+00 1.00E+00 1.
00E+00 1.00E+00 1.00E+00 1.00E+00 1.00E+00 1.00E+00
1

YEAR - 6 MONTHLY INPUT PARAMETERS

-- CLIMATIC INPUT PARAMETERS ARE SAME AS LAST YEAR

- POLLUTANT INPUT PARAMETERS -

POL. INP-1 (UG/CM**2) 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.
00E+00 [illegible] 0.00E+00 0.00E+00
TRNSFORMD-1 (UG/CM**2) [illegible] 0.00E+00 [illegible] 0.00E+00 0.
00E+00 [illegible] 0.00E+00 0.00E+00 0.00E+00
SINKS-1 (UG/CM**2) [illegible] 0.00E+00 0.00E+00 0.
00E+00 [illegible] 0.00E+00 0.00E+00
LIG.INPUT 1 (UG/CM**2) [illegible] 0.00E+00 0.00E+00 0.
00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00
VOLATILIZATION MULT.-1 [illegible] 1.
00E+00 [illegible] 1.00E+00 1.00E+00
[illegible] 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 1.
00E+00 [illegible] 0.00E+00 0.00E+00 [illegible]
[illegible]

```
[illegible]
 POL. INP 2 (UG/CM**2)  0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.
00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00
 TRNSFORMD 2 (UG/CM**2) 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.
00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00
 SINKS 2 (UG/CM**2)     0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.
00E+00 [illegible] 0.00E+00 0.00E+00
 [illegible]
 VOLATILIZATION MULT. 2 [illegible] 1.00E+00 1.
00E+00 [illegible] 1.00E+00 1.00E+00

 POL. INP 3 (UG/CM**2)  0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.
00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00
 TRNSFORMD 3 (UG/CM**2) 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.
00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00
 SINKS 3 (UG/CM**2)     0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.
00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00
 LIG.INPUT 3 (UG/CM**2) 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.
00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00
 VOLATILIZATION MULT. 3 1.00E+00 1.00E+00 1.00E+00 1.00E+00 1.00E+00 1.00E+00 1.
00E+00 1.00E+00 1.00E+00 1.00E+00 1.00E+00 1.00E+00
1
      YEAR - 7    MONTHLY INPUT PARAMETERS
      --------    ------------------------

   -- CLIMATIC INPUT PARAMETERS ARE SAME AS LAST YEAR


   -- POLLUTANT INPUT PARAMETERS --

 POL. INP 1 (UG/CM**2)  0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.
00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00
 TRNSFORMD 1 (UG/CM**2) 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.
00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00
 SINKS 1 (UG/CM**2)     0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.
00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00
 LIG.INPUT 1 (UG/CM**2) 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.
00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00
 VOLATILIZATION MULT. 1 [illegible]
[illegible] 1.00E+00 1.00E+00
 SURFACE RUNOFF MULT. [illegible] 0.00E+00 [illegible] 1.00E+00 1.
00E+00 [illegible] 0.00E+00 0.00E+00
 POL. IN RAIN [illegible]
[illegible] 0.00E+00 0.00E+00
 POL. INP 2 (UG/CM**2) [illegible] 0.00E+00 0.00E+00 [illegible] 0.00E+00 0.00E+00
[illegible]
```

[illegible]
[illegible] MULT. [illegible] 1.00E+00 1.
[illegible] 1.00E+00 [illegible]

[illegible] (UG/CM**2) [illegible]
[illegible]
TRNSFORM. 0 (UG/CM**2) [illegible]
[illegible] 0.00E+00 0.00E+00 [illegible]
SINKS-0 (UG/CM**2) 0.00E+00 0.00E+00 0.00E+00 [illegible] 0.
00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00
LIG.INPUT 0 (UG/CM**2) 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.
00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00
VOLATILIZATION MULT.-0 1.00E+00 1.00E+00 1.00E+00 1.00E+00 1.00E+00 1.00E+00 1.
00E+00 1.00E+00 1.00E+00 1.00E+00 1.00E+00 1.00E+00

POL. INP 1 (UG/CM**2) 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.
00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00
TRNSFORM. 1 (UG/CM**2) 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.
00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00
SINKS 1 (UG/CM**2) 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.
00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00
LIG.INPUT 1 (UG/CM**2) 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.
00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00
VOLATILIZATION MULT.-1 1.00E+00 1.00E+00 1.00E+00 1.00E+00 1.00E+00 1.00E+00 1.
00E+00 1.00E+00 1.00E+00 1.00E+00 1.00E+00 1.00E+00
1

YEAR 8 MONTHLY INPUT PARAMETERS

-- CLIMATIC INPUT PARAMETERS ARE SAME AS LAST YEAR

-- POLLUTANT INPUT PARAMETERS --

POL. INP 1 (UG/CM**2) 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.
00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00
TRNSFORMD-1 (UG/CM**2) 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.
00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00
SINKS-1 (UG/CM**2) 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.
00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00
LIG.INPUT 1 (UG/CM**2) 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.
00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00
VOLATILIZATION MULT.-1 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.
00E+00 0.00E+00 0.00E+00 0.00E+00 1.00E+00 1.00E+00
SURFACE RUNOFF MULT. 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.
00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00
POL. IN RAIN (FRAC-SL) 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.
00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00

POL. INP 2 (UG/CM**2) [illegible] 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.
[illegible] 0.00E+00 [illegible] 0.00E+00
TRNSFORM. 2 (UG/CM**2) [illegible] 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.
[illegible] 0.00E+00 0.00E+00 0.00E+00 0.00E+00
[illegible] 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.
[illegible]
[illegible] 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.
[illegible] 0.00E+00 [illegible]
[illegible] 1.00E+00 1.
[illegible]

POL. INP-3 (UG/CM**2) 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.
00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00
TRNSFORMD-3 (UG/CM**2) 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.
00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00
SINKS-3 (UG/CM**2) 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.
00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00
LIG.INPUT-3 (UG/CM**2) 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.
00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00
VOLATILIZATION MULT. 3 1.00E+00 1.00E+00 1.00E+00 1.00E+00 1.00E+00 1.00E+00 1.
00E+00 1.00E+00 1.00E+00 1.00E+00 1.00E+00 1.00E+00 1.00E+00

POL. INP-L (UG/CM**2) 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.
00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00
TRNSFORMD-L (UG/CM**2) 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.
00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00
SINKS-L (UG/CM**2) 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.
00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00
LIG.INPUT-L (UG/CM**2) 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.
00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00
VOLATILIZATION MULT. L 1.00E+00 1.00E+00 1.00E+00 1.00E+00 1.00E+00 1.00E+00 1.
00E+00 1.00E+00 1.00E+00 1.00E+00 1.00E+00 1.00E+00 1.00E+00
1

YEAR - 9 MONTHLY INPUT PARAMETERS

-- CLIMATIC INPUT PARAMETERS ARE SAME AS LAST YEAR

-- POLLUTANT INPUT PARAMETERS --

POL. INP-1 (UG/CM**2) 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.
00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00
TRNSFORMD-1 (UG/CM**2) 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.
00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00
SINKS-1 (UG/CM**2) 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.
00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00
LIG.INPUT-1 (UG/CM**2) 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.
00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00
VOLATILIZATION MULT.-1 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.
00E+00 0.00E+00 0.00E+00 0.00E+00 1.00E+00 1.00E+00 1.00E+00
SURFACE RUNOFF MULT. 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.
00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00
POL. IN RAIN (FRAC-SL) 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.
00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00

POL. INP-2 (UG/CM**2) 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.
00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00
TRNSFORMD-2 (UG/CM**2) 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.
00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00
SINKS-2 (UG/CM**2) 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.
00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00
LIG.INPUT-2 (UG/CM**2) 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.
00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00
VOLATILIZATION MULT.-2 1.00E+00 1.00E+00 1.00E+00 1.00E+00 1.00E+00 1.00E+00 1.
00E+00 1.00E+00 1.00E+00 1.00E+00 1.00E+00 1.00E+00 1.00E+00

POL. INP-3 (UG/CM**2) 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.
00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00
TRNSFORMD-3 (UG/CM**2) 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.
00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00

LIG.INPUT-3 (UG/CM**2) 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.
00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00
VOLATILIZATION MULT.-3 1.00E+00 1.00E+00 1.00E+00 1.00E+00 1.00E+00 1.00E+00 1.
00E+00 1.00E+00 1.00E+00 1.00E+00 1.00E+00 1.00E+00 1.00E+00

POL. INP-L (UG/CM**2) 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.
00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00
TRNSFORMD-L (UG/CM**2) 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.
00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00
SINKS-L (UG/CM**2) 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.
00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00
LIG.INPUT-L (UG/CM**2) 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.
00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00
VOLATILIZATION MULT.-L 1.00E+00 1.00E+00 1.00E+00 1.00E+00 1.00E+00 1.00E+00 1.
00E+00 1.00E+00 1.00E+00 1.00E+00 1.00E+00 1.00E+00 1.00E+00

YEAR -10 MONTHLY INPUT PARAMETERS
======== ==========

-- CLIMATIC INPUT PARAMETERS ARE SAME AS LAST YEAR

-- POLLUTANT INPUT PARAMETERS --

POL. INP-1 (UG/CM**2) 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.
00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00
TRNSFORMD-1 (UG/CM**2) 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.
00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00
SINKS-1 (UG/CM**2) 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.
00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00
LIG.INPUT-1 (UG/CM**2) 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.
00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00
VOLATILIZATION MULT.-1 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.
00E+00 0.00E+00 0.00E+00 0.00E+00 1.00E+00 1.00E+00 1.00E+00
SURFACE RUNOFF MULT.- 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.
00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00
POL. IN RAIN (FRAC-SL) 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.
00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00

POL. INP-2 (UG/CM**2) 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.
00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00
TRNSFORMD-2 (UG/CM**2) 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.
00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00
SINKS-2 (UG/CM**2) 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.
00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00
LIG.INPUT-2 (UG/CM**2) 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.
00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00
VOLATILIZATION MULT.-2 1.00E+00 1.00E+00 1.00E+00 1.00E+00 1.00E+00 1.00E+00 1.
00E+00 1.00E+00 1.00E+00 1.00E+00 1.00E+00 1.00E+00 1.00E+00

POL. INP-3 (UG/CM**2) 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.
00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00
TRNSFORMD-3 (UG/CM**2) 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.
00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00
SINKS-3 (UG/CM**2) 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.
00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00
LIG.INPUT-3 (UG/CM**2) 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.
00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00
VOLATILIZATION MULT.-3 1.00E+00 1.00E+00 1.00E+00 1.00E+00 1.00E+00 1.00E+00 1.
00E+00 1.00E+00 1.00E+00 1.00E+00 1.00E+00 1.00E+00 1.00E+00

POL. INP-L (UG/CM**2) 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00

TRNSFORMD-L (UG/CM**2) 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00

SINKS-L (UG/CM**2) 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00

LIG.INPUT-L (UG/CM**2) 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00

VOLATILIZATION MULT.-L 1.00E+00 1.00E+00 1.00E+00 1.00E+00 1.00E+00 1.00E+00 1.00E+00 1.00E+00 1.00E+00 1.00E+00 1.00E+00 1.00E+00

YEAR -11 MONTHLY INPUT PARAMETERS

-- CLIMATIC INPUT PARAMETERS ARE SAME AS LAST YEAR

-- POLLUTANT INPUT PARAMETERS --

POL. INP-1 (UG/CM**2) 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00

TRNSFORMD-1 (UG/CM**2) 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00

SINKS-1 (UG/CM**2) 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00

LIG.INPUT-1 (UG/CM**2) 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00

VOLATILIZATION MULT.-1 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 1.00E+00 1.00E+00

SURFACE RUNOFF MULT. 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00

POL. IN RAIN (FRAC-SL) 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00

POL. INP-2 (UG/CM**2) 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00

TRNSFORMD-2 (UG/CM**2) 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00

SINKS-2 (UG/CM**2) 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00

LIG.INPUT-2 (UG/CM**2) 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00

VOLATILIZATION MULT.-2 1.00E+00 1.00E+00 1.00E+00 1.00E+00 1.00E+00 1.00E+00 1.00E+00 1.00E+00 1.00E+00 1.00E+00 1.00E+00 1.00E+00

POL. INP-3 (UG/CM**2) 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00

TRNSFORMD-3 (UG/CM**2) 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00

SINKS-3 (UG/CM**2) 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00

LIG.INPUT-3 (UG/CM**2) 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00

VOLATILIZATION MULT.-3 1.00E+00 1.00E+00 1.00E+00 1.00E+00 1.00E+00 1.00E+00 1.00E+00 1.00E+00 1.00E+00 1.00E+00 1.00E+00 1.00E+00

POL. INP-L (UG/CM**2) 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00

TRNSFORMD-L (UG/CM**2) 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00

LIG.INPUT-L (UG/CM**2) 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00

VOLATILIZATION MULT.-L 1.00E+00 1.00E+00 1.00E+00 1.00E+00 1.00E+00 1.00E+00 1.00E+00 1.00E+00 1.00E+00 1.00E+00 1.00E+00 1.00E+00

YEAR -12 MONTHLY INPUT PARAMETERS

-- CLIMATIC INPUT PARAMETERS ARE SAME AS LAST YEAR

-- POLLUTANT INPUT PARAMETERS --

POL. INP-1 (UG/CM**2) 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00

TRNSFORMD-1 (UG/CM**2) 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00

SINKS-1 (UG/CM**2) 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00

LIG.INPUT-1 (UG/CM**2) 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00

VOLATILIZATION MULT.-1 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 1.00E+00 1.00E+00

SURFACE RUNOFF MULT. 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00

POL. IN RAIN (FRAC-SL) 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00

POL. INP-2 (UG/CM**2) 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00

TRNSFORMD-2 (UG/CM**2) 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00

SINKS-2 (UG/CM**2) 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00

LIG.INPUT-2 (UG/CM**2) 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00

VOLATILIZATION MULT.-2 1.00E+00 1.00E+00 1.00E+00 1.00E+00 1.00E+00 1.00E+00 1.00E+00 1.00E+00 1.00E+00 1.00E+00 1.00E+00 1.00E+00

POL. INP-3 (UG/CM**2) 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00

TRNSFORMD-3 (UG/CM**2) 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00

SINKS-3 (UG/CM**2) 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00

LIG.INPUT-3 (UG/CM**2) 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00

VOLATILIZATION MULT.-3 1.00E+00 1.00E+00 1.00E+00 1.00E+00 1.00E+00 1.00E+00 1.00E+00 1.00E+00 1.00E+00 1.00E+00 1.00E+00 1.00E+00

POL. INP-L (UG/CM**2) 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00

TRNSFORMD-L (UG/CM**2) 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00

SINKS-L (UG/CM**2) 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00

LIG.INPUT-L (UG/CM**2) 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00

VOLATILIZATION MULT.-L 1.00E+00 1.00E+00 1.00E+00 1.00E+00 1.00E+00 1.00E+00 1.00E+00 1.00E+00 1.00E+00 1.00E+00 1.00E+00 1.00E+00

-- CLIMATIC INPUT PARAMETERS ARE SAME AS LAST YEAR

-- POLLUTANT INPUT PARAMETERS --

POL. INP-1 (UG/CM**2) 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00

TRNSFORMD-1 (UG/CM**2) 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00

SINKS-1 (UG/CM**2) 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00

LIG.INPUT-1 (UG/CM**2) 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00

VOLATILIZATION MULT.-1 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 1.00E+00 1.00E+00

SURFACE RUNOFF MULT. 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00

POL. IN RAIN (FRAC-SL) 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00

POL. INP-2 (UG/CM**2) 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00

TRNSFORMD-2 (UG/CM**2) 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00

SINKS-2 (UG/CM**2) 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00

LIG.INPUT-2 (UG/CM**2) 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00

VOLATILIZATION MULT.-2 1.00E+00 1.00E+00 1.00E+00 1.00E+00 1.00E+00 1.00E+00 1.00E+00 1.00E+00 1.00E+00 1.00E+00 1.00E+00 1.00E+00

POL. INP-3 (UG/CM**2) 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00

TRNSFORMD-3 (UG/CM**2) 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00

SINKS-3 (UG/CM**2) 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00

LIG.INPUT-3 (UG/CM**2) 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00

VOLATILIZATION MULT.-3 1.00E+00 1.00E+00 1.00E+00 1.00E+00 1.00E+00 1.00E+00 1.00E+00 1.00E+00 1.00E+00 1.00E+00 1.00E+00 1.00E+00

POL. INP-L (UG/CM**2) 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00

TRNSFORMD-L (UG/CM**2) 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00

SINKS-L (UG/CM**2) 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00

LIG.INPUT-L (UG/CM**2) 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00

VOLATILIZATION MULT.-L 1.00E+00 1.00E+00 1.00E+00 1.00E+00 1.00E+00 1.00E+00 1.00E+00 1.00E+00 1.00E+00 1.00E+00 1.00E+00 1.00E+00

YEAR -1 MONTHLY INPUT PARAMETERS

-- CLIMATIC INPUT PARAMETERS ARE SAME AS LAST YEAR

-- POLLUTANT INPUT PARAMETERS --

INP-1 (UG/CM**2) 0.00E-00 [illegible]

TRNSFORMD-1 (UG/CM**2) 0.00E-00 [illegible]

SINKS-1 (UG/CM**2) 0.00E+00 0.00E [illegible]

LIG.INPUT-1 (UG/CM**2) 0.00E+00 0.00E-00 [illegible]

VOLATILIZATION MULT.-1 0.00E+00 0.00E+00 0.00E-00 0.00E+00 0.00E+00 0.00E+00 0.

SURFACE RUNOFF MULT. 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.

POL. IN RAIN (FRAC-SL) 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.

POL. INP-2 (UG/CM**2) 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.

TRNSFORMD-2 (UG/CM**2) 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.

SINKS-2 (UG/CM**2) 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.

LIG.INPUT-2 (UG/CM**2) 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.

VOLATILIZATION MULT.-2 1.00E+00 1.00E+00 1.00E+00 1.00E+00 1.00E+00 1.00E+00 1.

POL. INP-3 (UG/CM**2) 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.

TRNSFORMD-3 (UG/CM**2) 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.

SINKS-3 (UG/CM**2) 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.

LIG.INPUT-3 (UG/CM**2) 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.

VOLATILIZATION MULT.-3 1.00E+00 1.00E+00 1.00E+00 1.00E+00 1.00E+00 1.00E+00 1.

POL. INP-L (UG/CM**2) 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.

TRNSFORMD-L (UG/CM**2) 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.

SINKS-L (UG/CM**2) 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.

LIG.INPUT-L (UG/CM**2) 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.

VOLATILIZATION MULT.-L 1.00E+00 1.00E+00 1.00E+00 1.00E+00 1.00E+00 1.00E+00 1.

1

YEAR - 15 MONTHLY INPUT PARAMETERS

-- CLIMATIC INPUT PARAMETERS ARE SAME AS LAST YEAR

-- POLLUTANT INPUT PARAMETERS --

INP-1 (UG/CM**2) 0.00E-00 [illegible]

POL. INP-2 (UG/CM**2) 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00

TRNSFORMD-2 (UG/CM**2) 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00

SINKS-2 (UG/CM**2) 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00

LIG.INPUT-2 (UG/CM**2) 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00

VOLATILIZATION MULT.-2 1.00E+00 1.00E+00 1.00E+00 1.00E+00 1.00E+00 1.00E+00 1.00E+00 1.00E+00 1.00E+00 1.00E+00 1.00E+00 1.00E+00

POL. INP-3 (UG/CM**2) 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00

TRNSFORMD-3 (UG/CM**2) 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00

SINKS-3 (UG/CM**2) 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00

LIG.INPUT-3 (UG/CM**2) 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00

VOLATILIZATION MULT.-3 1.00E+00 1.00E+00 1.00E+00 1.00E+00 1.00E+00 1.00E+00 1.00E+00 1.00E+00 1.00E+00 1.00E+00 1.00E+00 1.00E+00

POL. INP-L (UG/CM**2) 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00

TRNSFORMD-L (UG/CM**2) 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00

SINKS-L (UG/CM**2) 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00

LIG.INPUT-L (UG/CM**2) 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00

VOLATILIZATION MULT.-L 1.00E+00 1.00E+00 1.00E+00 1.00E+00 1.00E+00 1.00E+00 1.00E+00 1.00E+00 1.00E+00 1.00E+00 1.00E+00 1.00E+00

YEAR -19 MONTHLY INPUT PARAMETERS

-- CLIMATIC INPUT PARAMETERS ARE SAME AS LAST YEAR

-- POLLUTANT INPUT PARAMETERS --

POL. INP-1 (UG/CM**2) 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00

TRNSFORMD-1 (UG/CM**2) 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00

SINKS-1 (UG/CM**2) 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00

LIG.INPUT-1 (UG/CM**2) 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00

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[illegible] MULT. [illegible]
[illegible]
[illegible]
[illegible]

POL. INP-2 (UG/CM**2) [illegible] 0.00E+00 0.00E+00 0.
00E+00 [illegible]
TENSFORMD-2 (UG/CM**2) 0.00E+00 0.00E+00 [illegible] 0.00E+00 0.00E+00 0.00E+00 0
00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00
SINKS-2 (UG/CM**2) 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.
00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00
LIG.INPUT-2 (UG/CM**2) 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0
00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00
VOLATILIZATION MULT.-2 1.00E+00 1.00E+00 1.00E+00 1.00E+00 1.00E+00 1.00E+00 1.
00E+00 1.00E+00 1.00E+00 1.00E+00 1.00E+00 1.00E+00

POL. INP-3 (UG/CM**2) 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0
00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00
TENSFORMD-3 (UG/CM**2) 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.
00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00
SINKS-3 (UG/CM**2) 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0
00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00
LIG.INPUT-3 (UG/CM**2) 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.
00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00
VOLATILIZATION MULT.-3 1.00E+00 1.00E+00 1.00E+00 1.00E+00 1.00E+00 1.00E+00 1.
00E+00 1.00E+00 1.00E+00 1.00E+00 1.00E+00 1.00E+00

POL. INP-L (UG/CM**2) 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.
00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00
TENSFORMD-L (UG/CM**2) 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0
00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00
SINKS-L (UG/CM**2) 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.
00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00
LIG.INPUT-L (UG/CM**2) 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0
00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00
VOLATILIZATION MULT.-L 1.00E+00 1.00E+00 1.00E+00 1.00E+00 1.00E+00 1.00E+00 1.
00E+00 1.00E+00 1.00E+00 1.00E+00 1.00E+00 1.00E+00

    YEAR -17     MONTHLY INPUT PARAMETERS
    ========     ========================

    -- CLIMATIC INPUT PARAMETERS ARE SAME AS LAST YEAR


    -- POLLUTANT INPUT PARAMETERS --

POL. INP-1 (UG/CM**2) 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.
00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00
TENSFORMD-1 (UG/CM**2) 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0
00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00
SINKS-1 (UG/CM**2) 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.
00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00
LIG.INPUT-1 (UG/CM**2) 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0
00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00
VOLATILIZATION MULT. 1 [illegible] 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.
00E+00 0.00E+00 0.00E+00 0.00E+00 [illegible]
SURFACE RUNOFF MULT. 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.
00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00
[illegible]
```

```
... 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.
0.00E ... 0.00E+00 0.00E+00 0.00E ...
TRNSFORMD-2 (UG/CM**2) 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.
...E+00 0.00E+00 0.00E+00 0.00E+00 ...
SINKS-2 (UG/CM**2) 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.
00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00
LIG.INPUT-2 (UG/CM**2) 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.
00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00
VOLATILIZATION MULT.-2 1.00E+00 1.00E+00 1.00E+00 1.00E+00 1.00E+00 1.00E+00 1.
00E+00 1.00E+00 1.00E+00 1.00E+00 1.00E+00 1.00E+00

POL. INP-3 (UG/CM**2)  0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.
00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00
TRNSFORMD-3 (UG/CM**2) 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.
00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00
SINKS-3 (UG/CM**2)     0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.
00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00
LIG.INPUT-3 (UG/CM**2) 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.
00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00
VOLATILIZATION MULT.-3 1.00E+00 1.00E+00 1.00E+00 1.00E+00 1.00E+00 1.00E+00 1.
00E+00 1.00E+00 1.00E+00 1.00E+00 1.00E+00 1.00E+00

POL. INP-L (UG/CM**2)  0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.
00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00
TRNSFORMD-L (UG/CM**2) 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.
00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00
SINKS-L (UG/CM**2)     0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.
00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00
LIG.INPUT-L (UG/CM**2) 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.
00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00
VOLATILIZATION MULT.-L 1.00E+00 1.00E+00 1.00E+00 1.00E+00 1.00E+00 1.00E+00 1.
00E+00 1.00E+00 1.00E+00 1.00E+00 1.00E+00 1.00E+00

    YEAR -18      MONTHLY INPUT PARAMETERS
    ========      ========================

    -- CLIMATIC INPUT PARAMETERS ARE SAME AS LAST YEAR


    -- POLLUTANT INPUT PARAMETERS --

POL. INP-1 (UG/CM**2)  0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.
00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00
TRNSFORMD-1 (UG/CM**2) 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.
00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00
SINKS-1 (UG/CM**2)     0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.
00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00
LIG.INPUT-1 (UG/CM**2) 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.
00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00
VOLATILIZATION MULT.-1 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.
00E+00 0.00E+00 0.00E+00 0.00E+00 1.00E+00 1.00E+00
SURFACE RUNOFF MULT.   0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.
00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00
POL. IN RAIN (FRAC-CL) 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.
00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00

POL. INP-2 (UG/CM**2)  0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00
00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00
...
```

LIG.INPUT-2 (UG/CM
00E+00 0.00E+0
VOLATILIZATI
E+00 1.00E-0

POL. INP-2 (UG/CM**2)
00E+00 0.00E+00 0.00E
TRNSFORMD-2 (UG/CM**2)
00E+00 0.00E+00 0.00E+
SINKS-3 (UG/CM**2) 0.00E+00
00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00
LAG.INPUT-3 (UG/CM**2) 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0
00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00
VOLATILIZATION MULT.-3 1.00E+00 1.00E+00 1.00E+00 1.00E+00 1.00E+00 1.00E+00 1.
00E+00 1.00E+00 1.00E+00 1.00E+00 1.00E+00 1.00E+00

POL. INP-L (UG/CM**2) 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0
00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00
TRNSFORMD-L (UG/CM**2) 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.
00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00
SINKS-L (UG/CM**2) 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0
00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00
LAG.INPUT-L (UG/CM**2) 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.
00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00
VOLATILIZATION MULT.-L 1.00E+00 1.00E+00 1.00E+00 1.00E+00 1.00E+00 1.00E+00 1.
00E+00 1.00E+00 1.00E+00 1.00E+00 1.00E+00 1.00E+00

YEAR -18 MONTHLY INPUT PARAMETERS
======== ========================

-- CLIMATIC INPUT PARAMETERS ARE SAME AS LAST YEAR

-- POLLUTANT INPUT PARAMETERS --

POL. INP-1 (UG/CM**2) 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0
00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00
TRNSFORMD-1 (UG/CM**2) 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.
00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00
SINKS-1 (UG/CM**2) 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0
00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00
LIG.INPUT-1 (UG/CM**2) 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.
00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00
VOLATILIZATION MULT.-1 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0
00E+00 0.00E+00 0.00E+00 0.00E+00 1.00E+00 1.00E+00
SURFACE RUNOFF MULT. 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0
00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00
POL. IN RAIN (TRAC-SL) 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.
00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00

POL. INP-2 (UG/CM**2) 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.
00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00
TRNSFORMD-2 (UG/CM**2) 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0
00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00
SINKS-2 (UG/CM**2) 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.
00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00
LIG.INPUT-2 (UG/CM**2) 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0
00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00
VOLATILIZATION MULT.-2 1.00E+00 1.00E+00 1.00E+00 1.00E+00 1.00E+00 1.00E+00 1

[illegible] 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.

[illegible] 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0

[illegible] 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0

[illegible] 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0

[illegible] 1.00E+00 1.00E+00 1.00E+00 1.00E+00 1.00E+00 1.00E+00 1.00E+00 1.00E+00 1.00E+00 1

POL. INP-L (UG/CM**2) 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00

TRNSFORMD-L (UG/CM**2) 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00

SINKS-L (UG/CM**2) 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00

LIG.INPUT-L (UG/CM**2) 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00

VOLATILIZATION MULT.-L 1.00E+00 1.00E+00 1.00E+00 1.00E+00 1.00E+00 1.00E+00 1.00E+00 1.00E+00 1.00E+00 1.00E+00 1.00E+00 1.00E+00

YEAR -20 MONTHLY INPUT PARAMETERS

-- CLIMATIC INPUT PARAMETERS ARE SAME AS LAST YEAR

-- POLLUTANT INPUT PARAMETERS --

POL. INP-1 (UG/CM**2) 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00

TRNSFORMD-1 (UG/CM**2) 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00

SINKS-1 (UG/CM**2) 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00

LIG.INPUT-1 (UG/CM**2) 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00

VOLATILIZATION MULT.-1 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 1.00E+00 1.00E+00

SURFACE RUNOFF MULT. 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00

POL. IN RAIN (FRAC-SL) 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00

POL. INP-2 (UG/CM**2) 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00

TRNSFORMD-2 (UG/CM**2) 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00

SINKS-2 (UG/CM**2) 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00

LIG.INPUT-2 (UG/CM**2) 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00

VOLATILIZATION MULT.-2 1.00E+00 1.00E+00 1.00E+00 1.00E+00 1.00E+00 1.00E+00 1.00E+00 1.00E+00 1.00E+00 1.00E+00 1.00E+00 1.00E+00

POL. INP-3 (UG/CM**2) 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00

[illegible] 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00

[illegible] (UG/CM**2) 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00

[illegible] 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00

[illegible] 1.00E+00 1.00E+00 1.00E+00 1.00E+00 1.00E+00 1.00E+00 1.00E+00 1.00E+00 1.00E+00 1.00E+00 1.00E+00 1.00E+00

[illegible] 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00

[illegible] (UG/CM**2) 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00

[illegible] 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00

[illegible] (UG/CM**2) 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00

[illegible] 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00

[illegible] 1.00E+00 1.00E+00 1.00E+00 1.00E+00 1.00E+00 1.00E+00 1.00E+00 1.00E+00 1.00E+00 1.00E+00 1.00E+00 1.00E+00

YEAR -2 MONTHLY INPUT PARAMETERS

-- CLIMATIC INPUT PARAMETERS ARE SAME AS LAST YEAR

-- POLLUTANT INPUT PARAMETERS --

POL. INP-1 (UG/CM**2) 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00

TRNSFORMD-1 (UG/CM**2) 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00

SINKS-1 (UG/CM**2) 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00

LIG.INPUT-1 (UG/CM**2) 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00

VOLATILIZATION MULT.-1 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 1.00E+00 1.00E+00

SURFACE RUNOFF MULT. 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00

POL. IN RAIN (FRAC-SL) 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00

POL. INP-2 (UG/CM**2) 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00

TRNSFORMD-2 (UG/CM**2) 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00

SINKS-2 (UG/CM**2) 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00

LIG.INPUT-2 (UG/CM**2) 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00

VOLATILIZATION MULT.-2 1.00E+00 1.00E+00 1.00E+00 1.00E+00 1.00E+00 1.00E+00 1.00E+00 1.00E+00 1.00E+00 1.00E+00 1.00E+00 1.00E+00

POL. INP-3 (UG/CM**2) 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00

TRNSFORMD-3 (UG/CM**2) 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00

SINKS-3 (UG/CM**2) 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00

LIG.INPUT-3 (UG/CM**2) 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00

VOLATILIZATION MULT.-3 1.00E+00 1.00E+00 1.00E+00 1.00E+00 1.00E+00 1.00E+00 1.00E+00 1.00E+00 1.00E+00 1.00E+00 1.00E+00 1.00E+00

POL. INP-1 (UG/CM**2) 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00

TRNSFORMD-1 (UG/CM**2) 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00

SINKS-1 (UG/CM**2) 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00

LIG.INPUT-1 (UG/CM**2) 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00

VOLATILIZATION MULT.-1 1.00E+00 1.00E+00 1.00E+00 1.00E+00 1.00E+00 1.00E+00 1.00E+00 1.00E+00 1.00E+00 1.00E+00 1.00E+00 1.00E+00

YEAR -23 MONTHLY INPUT PARAMETERS

-- CLIMATIC INPUT PARAMETERS ARE SAME AS LAST YEAR

-- POLLUTANT INPUT PARAMETERS --

POL. INP-1 (UG/CM**2) 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00

TRNSFORMD-1 (UG/CM**2) 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00

SINKS-1 (UG/CM**2) 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00

LIG.INPUT-1 (UG/CM**2) 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00

VOLATILIZATION MULT.-1 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 1.00E+00 1.00E+00

SURFACE RUNOFF MULT. 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00

POL. IN RAIN (FRAC-SL) 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00

POL. INP-2 (UG/CM**2) 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00

TRNSFORMD-2 (UG/CM**2) 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00

SINKS-2 (UG/CM**2) 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00

LIG.INPUT-2 (UG/CM**2) 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00

VOLATILIZATION MULT.-2 1.00E+00 1.00E+00 1.00E+00 1.00E+00 1.00E+00 1.00E+00 1.00E+00 1.00E+00 1.00E+00 1.00E+00 1.00E+00 1.00E+00

POL. INP-3 (UG/CM**2) 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00

TRNSFORMD-3 (UG/CM**2) 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00

SINKS-3 (UG/CM**2) 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00

LIG.INPUT-3 (UG/CM**2) 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00

VOLATILIZATION MULT.-3 1.00E+00 1.00E+00 1.00E+00 1.00E+00 1.00E+00 1.00E+00 1.00E+00 1.00E+00 1.00E+00 1.00E+00 1.00E+00 1.00E+00

POL. INP-4 (UG/CM**2) 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00

TRNSFORMD-4 (UG/CM**2) 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00

SINKS-4 (UG/CM**2) 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00

LIG.INPUT-4 (UG/CM**2) 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00

VOLATILIZATION MULT.-4 1.00E+00 1.00E+00 1.00E+00 1.00E+00 1.00E+00 1.00E+00 1.00E+00 1.00E+00 1.00E+00 1.00E+00 1.00E+00 1.00E+00

-- POLLUTANT INPUT PARAMETERS --

POL. INP-1 (UG/CM**2) 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00

TRNSFORMD-1 (UG/CM**2) 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00

SINKS-1 (UG/CM**2) 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00

LIG.INPUT-1 (UG/CM**2) 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00

VOLATILIZATION MULT.-1 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 1.00E+00 1.00E+00

SURFACE RUNOFF MULT. 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00

POL. IN RAIN (FRAC-SL) 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00

POL. INP-2 (UG/CM**2) 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00

TRNSFORMD-2 (UG/CM**2) 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00

SINKS-2 (UG/CM**2) 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00

LIG.INPUT-2 (UG/CM**2) 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00

VOLATILIZATION MULT.-2 1.00E+00 1.00E+00 1.00E+00 1.00E+00 1.00E+00 1.00E+00 1.00E+00 1.00E+00 1.00E+00 1.00E+00 1.00E+00 1.00E+00

POL. INP-3 (UG/CM**2) 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00

TRNSFORMD-3 (UG/CM**2) 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00

SINKS-3 (UG/CM**2) 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00

LIG.INPUT-3 (UG/CM**2) 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00

VOLATILIZATION MULT.-3 1.00E+00 1.00E+00 1.00E+00 1.00E+00 1.00E+00 1.00E+00 1.00E+00 1.00E+00 1.00E+00 1.00E+00 1.00E+00 1.00E+00

POL. INP-4 (UG/CM**2) 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00

TRNSFORMD-4 (UG/CM**2) 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00

SINKS-4 (UG/CM**2) 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00

LIG.INPUT-4 (UG/CM**2) 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00

VOLATILIZATION MULT.-4 1.00E+00 1.00E+00 1.00E+00 1.00E+00 1.00E+00 1.00E+00 1.00E+00 1.00E+00 1.00E+00 1.00E+00 1.00E+00 1.00E+00

--- POLLUTANT INPUT PARAMETERS ARE SAME AS LAST YEAR

POLLUTANT INPUT PARAMETERS---

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POL. INP-1 (UG/CM**2)  0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.
00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00
TRANSFORMD-1 (UG/CM**2) 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.
00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00
SINKS-1 (UG/CM**2)      0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.
00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00
LIG.INPUT-1 (UG/CM**2) 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.
00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00
VOLATILIZATION MULT.-1 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.
00E+00 0.00E+00 0.00E+00 0.00E+00 1.00E+00 1.00E+00
SURFACE RUNOFF MULT.   0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.
00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00
POL. IN RAIN (FRAC-SL) 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.
00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00

POL. INP-2 (UG/CM**2)  0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.
00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00
TRNSFORMD-2 (UG/CM**2) 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.
00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00
SINKS-2 (UG/CM**2)      0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.
00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00
LIG.INPUT-2 (UG/CM**2) 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.
00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00
VOLATILIZATION MULT.-2 1.00E+00 1.00E+00 1.00E+00 1.00E+00 1.00E+00 1.00E+00 1.
00E+00 1.00E+00 1.00E+00 1.00E+00 1.00E+00 1.00E+00

POL. INP-3 (UG/CM**2)  0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.
00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00
TRNSFORMD-3 (UG/CM**2) 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.
00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00
SINKS-3 (UG/CM**2)      0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.
00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00
LIG.INPUT-3 (UG/CM**2) 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.
00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00
VOLATILIZATION MULT.-3 1.00E+00 1.00E+00 1.00E+00 1.00E+00 1.00E+00 1.00E+00 1.
00E+00 1.00E+00 1.00E+00 1.00E+00 1.00E+00 1.00E+00

POL. INP-L (UG/CM**2)  0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.
00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00
TRNSFORMD-L (UG/CM**2) 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.
00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00
SINKS-L (UG/CM**2)      0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.
00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00
LIG.INPUT-L (UG/CM**2) 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.
00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00
VOLATILIZATION MULT.-L 1.00E+00 1.00E+00 1.00E+00 1.00E+00 1.00E+00 1.00E+00 1.
00E+00 1.00E+00 1.00E+00 1.00E+00 1.00E+00 1.00E+00
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YEAR 2 --- MONTHLY INPUT PARAMETERS

--- [illegible] INPUT PARAMETERS ARE SAME AS LAST YEAR