



ΠΑΡΑΡΤΗΜΑ ΙΙ

**Οδηγός και Παραδείγματα Αρχείων
Ελέγχου και Εισαγωγής Δεδομένων
του Μοντέλου VADOFT**

Ι.Ι Οδηγός δημιουργίας αρχείου ελέγχου του προγράμματος PRZM-3

I.II Οδηγός δημιουργίας αρχείων εισαγωγής δεδομένων του προγράμματος VADOFT

I.III Παραδείγματα αρχείων ελέγχου

Δοκιμαστική εφαρμογή για έλεγχο αξιοπιστίας του μοντέλου

*** option records

```
PRZM          OFF
VADOFT        ON
MONTE CARLO   OFF
TRANSPORT     ON
```

*** zone records

```
VADOFT ZONES  1
ENDRUN
```

*** input file records

```
PATH
VADOFT INPUT  1    EXAMPLE2.INP
```

*** output file records

```
PATH
TIME SERIES   1    EXMP1.ZTS
VADOFT OUTPUT 1    EXMP1.OUT
```

*** scratch file records

```
PATH
VADOFT FLOW RST 1  VFLOW.RST
VADOFT TRANS RST 1 VTRANS.RST
VADOFT TAPE10  1  VADF.TAP
ENDFILES
```

*** global records

```
START DATE    010158
END DATE      200158
NUMBER OF CHEMICALS  1
PARENT OF 2    0
PARENT OF 3    0
ENDDATA
```

*** display records

```
ECHO          6
TRACE         OFF
```

Εφαρμογή στον Χ.Υ.Τ.Α. Αμαρίου

*** option records

PRZM OFF
VADOFT ON
MONTE CARLO OFF
TRANSPORT ON

*** zone records

VADOFT ZONES 1
ENDRUN

*** input file records

PATH
VADOFT INPUT 1 EXAMPLEL.INP

*** output file records

PATH
TIME SERIES 1 EXMP1.ZTS
VADOFT OUTPUT 1 EXMP1.OUT

*** scratch file records

PATH
VADOFT FLOW RST 1 VFLOW.RST
VADOFT TRANS RST 1 VTRANS.RST
VADOFT TAPE10 1 VADF.TAP
ENDFILES

*** global records

START DATE 010156
END DATE 010186
NUMBER OF CHEMICALS 1
PARENT OF 2 0
PARENT OF 3 0
ENDDATA

*** display records

ECHO 6
TRACE OFF

I.IV Παραδείγματα αρχείων εισαγωγής δεδομένων

Δοκιμαστική εφαρμογή για έλεγχο αξιοπιστίας του μοντέλου

*****FLOW*****

1 CHEMICAL, 3 HORIZON, 2 MATERIAL, VADOSE ZONE FLOW SIMULATION

85 2 0 1 1 1 1 1 0 0

20 2 1 0.01

1 1 0 5 5 1 2 0

0.0 1.0 1.0 1.0

3

1 4 1 20.0

2 24 2 120.0

3 56 1 280.0

0.0 0

0 1 0.0 0.0 1 0 0.0 0.0

713.0 0.43 0.0 0.0

6.24 0.41 0.0 0.0

0.105 0.0 0.145 2.68 0.63

0.232 0.0 0.019 1.31 0.24

16

0.0 1.0 2.0 3.0 4.0 5.0 6.0 7.0

10.0 11.0 12.0 13.0 15.0 16.0 17.0 20.0

0.0 0.0 1.9 0.5 0.05 0.5 0.5 0.0

0.0 0.0 0.0 0.0 0.0 0.0 0.5 0.5

5 10

DAY

*****TRANSPORT*****

1 CHEMICAL, 3 HORIZON, 2 MATERIAL, VADOSE ZONE TRANS. SIMULATION

85 2 0 1 0 1 1 1 0 0

0 1 0 5 5 1 2 0

0.0 1.0 1.0 1.0

3

1 4 1 20.0

2 24 2 120.0

3 56 1 280.0

0.0 1

1 0 1.0 0.0 0 0 0.0 0.0

1.0 0.43

1.1 0.001

1.0 0.41

1.5 0.001

1 0.0 0.2 0.0

1 0.00274 0.0

2 0.0 0.2 0.0
2 0.00274 0.0
1 1
5 10
DAY

Εφαρμογή στον Χ.Υ.Τ.Α. Αμαρίου

ΣΕΝΑΡΙΟ 1

*****FLOW*****

1 CHEMICAL, 1 HORIZON, 1 MATERIAL, VADOSE ZONE FLOW SIMULATION

96 1 0 1 1 1 1 1 0 0

20 2 1 0.01

1 1 0 10 0 0 0 0

0.0 1.0 1.0 1.0

1

1 95 1 5000.0

0.0 0

0 1 0.01 0.0 0 0 0.0 0.0

0.0864 0.2 0.0 0.0

0.35 0.0 0.005 1.09 0.0825

MNTH

*****TRANSPORT*****

1 CHEMICAL, 1 HORIZON, 1 MATERIAL, VADOSE ZONE TRANS. SIMULATION

96 1 0 1 0 1 1 1 0 0

0 1 0 10 0 0 0 0

0.0 1.0 1.0 1.0

1

1 95 1 5000.0

0.0 1

1 0 1.0 0.0 0 0 0.0 0.0

500.0 0.2

1.0 0.0001

1 0.0 0.0 1.0

1 0.001 0.0

1 1

MNTH

ΣENAPIO 2

*****FLOW*****

1 CHEMICAL, 1 HORIZON, 1 MATERIAL, VADOSE ZONE FLOW SIMULATION

96 1 0 1 1 1 1 1 0 0

20 2 1 0.01

1 1 0 10 0 0 0 0

0.0 1.0 1.0 1.0

1

1 95 1 5000.0

0.0 0

0 1 0.03 0.0 0 0 0.0 0.0

0.0864 0.2 0.0 0.0

0.35 0.0 0.005 1.09 0.0825

MNTH

*****TRANSPORT*****

1 CHEMICAL, 1 HORIZON, 1 MATERIAL, VADOSE ZONE TRANS. SIMULATION

96 1 0 1 0 1 1 1 0 0

0 1 0 10 0 0 0 0

0.0 1.0 1.0 1.0

1

1 95 1 5000.0

0.0 1

1 0 1.0 0.0 0 0 0.0 0.0

300.0 0.2

1.0 0.0001

1 0.0 0.0 1.0

1 0.001 0.0

1 1

MNTH

ΣENAPIO 3

*****FLOW*****

1 CHEMICAL, 1 HORIZON, 1 MATERIAL, VADOSE ZONE FLOW SIMULATION

96 1 0 1 1 1 1 1 0 0

20 2 1 0.01

1 1 0 10 0 0 0 0

0.0 1.0 1.0 1.0

1

1 95 1 5000.0

0.0 0

0 1 0.03 0.0 0 0 0.0 0.0

0.0864 0.2 0.0 0.0

0.35 0.0 0.005 1.09 0.0825

MNTH

*****TRANSPORT*****

1 CHEMICAL, 1 HORIZON, 1 MATERIAL, VADOSE ZONE TRANS SIMULATION

96 1 0 1 0 1 1 1 0 0
0 1 0 10 0 0 0 0
0.0 1.0 1.0 1.0
1
1 95 1 5000.0
0.0 1
1 0 1.0 0.0 0 0 0.0 0.0
500.0 0.2
1.0 0.0001
1 0.0 0.0 1.0
1 0.001 0.0
1 1
MNTH

ΣENAPIO 4

*****FLOW*****

1 CHEMICAL, 1 HORIZON, 1 MATERIAL, VADOSE ZONE FLOW SIMULATION

96 1 0 1 1 1 1 1 0 0
20 2 1 0.01
1 1 0 10 0 0 0 0
0.0 1.0 1.0 1.0
1
1 95 1 5000.0
0.0 0
0 1 0.05 0.0 0 0 0.0 0.0
0.0864 0.2 0.0 0.0
0.35 0.0 0.005 1.09 0.0825
MNTH

*****TRANSPORT*****

1 CHEMICAL, 1 HORIZON, 1 MATERIAL, VADOSE ZONE TRANS. SIMULATION

96 1 0 1 0 1 1 1 0 0
0 1 0 10 0 0 0 0
0.0 1.0 1.0 1.0
1
1 95 1 5000.0
0.0 1
1 0 1.0 0.0 0 0 0.0 0.0
500.0 0.2
1.0 0.0001
1 0.0 0.0 1.0
1 0.001 0.0
1 1
MNTH

ΣENAPIO 5

*****FLOW*****

1 CHEMICAL, 1 HORIZON, 1 MATERIAL, VADOSE ZONE FLOW SIMULATION

96 1 0 1 1 1 1 1 0 0
20 2 1 0.01
1 1 0 10 0 0 0 0
0.0 1.0 1.0 1.0
1
1 95 1 5000.0
0.0 0
0 1 0.1 0.0 0 0 0.0 0.0
0.0864 0.2 0.0 0.0
0.35 0.0 0.005 1.09 0.0825

MNTH

*****TRANSPORT*****

1 CHEMICAL, 1 HORIZON, 1 MATERIAL, VADOSE ZONE TRANS. SIMULATION

96 1 0 1 0 1 1 1 0 0
0 1 0 10 0 0 0 0
0.0 1.0 1.0 1.0
1
1 95 1 5000.0
0.0 1
1 0 1.0 0.0 0 0 0.0 0.0
500.0 0.2
1.0 0.0001
1 0.0 0.0 1.0
1 0.001 0.0
1 1

MNTH

ΣENAPIO 13

*****FLOW*****

1 CHEMICAL, 1 HORIZON, 1 MATERIAL, VADOSE ZONE FLOW SIMULATION

96 1 0 1 1 1 1 1 0 0
20 2 1 0.01
1 1 0 10 0 0 0 0
0.0 1.0 1.0 1.0
1
1 95 1 5000.0
0.0 0
0 1 0.44 0.0 0 0 0.0 0.0
0.4752 0.2 0.0 0.0
0.35 0.0 0.005 1.09 0.0825

MNTH

*****TRANSPORT*****

1 CHEMICAL, 1 HORIZON, 1 MATERIAL, VADOSE ZONE TRANS. SIMULATION

96 1 0 1 0 1 1 1 0 0

0 1 0 10 0 0 0 0

0.0 1.0 1.0 1.0

1

1 95 1 5000.0

0.0 1

1 0 1.0 0.0 0 0 0.0 0.0

500.0 0.2

1.0 0.0001

1 0.0 0.0 1.0

1 0.001 0.0

1 1

MNTH

ΣENAPIO 17

*****FLOW*****

1 CHEMICAL, 1 HORIZON, 1 MATERIAL, VADOSE ZONE FLOW SIMULATION

96 1 0 1 1 1 1 1 0 0

20 2 1 0.01

1 1 0 10 0 0 0 0

0.0 1.0 1.0 1.0

1

1 95 1 10000.0

0.0 0

0 1 0.42 0.0 0 0 0.0 0.0

0.4752 0.2 0.0 0.0

0.35 0.0 0.005 1.09 0.0825

MNTH

*****TRANSPORT*****

1 CHEMICAL, 1 HORIZON, 1 MATERIAL, VADOSE ZONE TRANS. SIMULATION

96 1 0 1 0 1 1 1 0 0

0 1 0 10 0 0 0 0

0.0 1.0 1.0 1.0

1

1 95 1 10000.0

0.0 1

1 0 1.0 0.0 0 0 0.0 0.0

1000.0 0.2

1.0 0.0001

1 0.0 0.0 1.0

1 0.001 0.0

1 1

MNTH

ΣΕΝΑΡΙΟ 20

*****FLOW*****

1 CHEMICAL, 1 HORIZON, 1 MATERIAL, VADOSE ZONE FLOW SIMULATION

96 1 0 1 1 1 1 1 0 0

20 2 1 0.01

1 1 0 10 0 0 0 0

0.0 1.0 1.0 1.0

1

1 95 1 5000.0

0.0 0

0 1 0.5 0.0 0 0 0.0 0.0

0.4752 0.2 0.0 0.0

0.35 0.0 0.005 1.09 0.0825

MNTH

*****TRANSPORT*****

1 CHEMICAL, 1 HORIZON, 1 MATERIAL, VADOSE ZONE TRANS. SIMULATION

96 1 0 1 0 1 1 1 0 0

0 1 0 10 0 0 0 0

0.0 1.0 1.0 1.0

1

1 95 1 5000.0

0.0 1

1 0 1.0 0.0 0 0 0.0 0.0

500.0 0.2

1.0 0.0001

1 0.0 0.0 1.0

1 0.001 0.0

1 1

MNTH