```
TPH-diesel              4.190E-20     3.274E-20     0.000E+00     0.000E+00     1.196E+24*    4.486E+02
Receptor Location X, Y, Z, (meters):  7.550E+01, 1.200E+03, 0.000E+00
  Contaminant Name       Maximum       Average       Maximum       Average       Limiting      Peak Time
                       Concentration Concentration    Impacts       Impacts     Concentration   (years)
                         (mg/L)        (mg/L)         (MCL)         (MCL)         (mg/kg)
-----------------------------------------------------------------------------------------------------------
TPH-diesel              1.470E-26     2.195E-27     0.000E+00     0.000E+00     1.784E+31*    4.811E+02

TIME OF RUN 17:58:35.9
DATE OF RUN 04/22/98
FILE NAME: c:\mydocu~1\WAG4\new\out\dsl-748.max
 ***************************************************
 *                                                 *
 *     This output was produced by the model:      *
 *                    GWMENU                       *
 *         Version 1.01: Beta Test Version         *
 * A menu-driven pre-processor for the groundwater *
 * pathway screening model GWSCREEN Version 2.5    *
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 ===================================================================

TITLE: CFA-748-B (tank), diesel, max
----------------- MODEL OPTIONS -------------------
Type of Output:        Limiting Conc
Integration Method:    Gaussian Quad
Source Model Type:     Surface/Buried
Dose Criteria:         MCL for Non-radiological Contaminant
--------------- SOURCE PARAMETERS -----------------
X Coordinate (m):   -6.503E+02  Y Coordinate (m):    2.266E+02
Source Length (m):   4.210E+00  Source Width (m):    2.740E+00
Thickness (m):       1.680E+00  Bulk Density (g/cc): 1.500E+00
Percolation (m/y):   1.000E-01  Moisture Content:    3.000E-01
------------ UNSATURATED ZONE PARAMETERS -----------
Unsat Thickness (m): 1.100E+01  Moisture Content:    3.000E-01
Total Porosity:      4.870E-01  Bulk Density:        1.500E+00
---------------- AQUIFER PARAMETERS ----------------
Solution Type:    2D Averaged
Pore Velocity (m/y):        5.700E+02 Aquifer Porosity:          1.000E-01
Longitudinal Disp (m):      9.000E+00 Transverse Disp (m):       4.000E+00
Vertical Disp (m):          n/a       Well Screen Thickness (m): 1.500E+01
Bulk Density (g/cc):        1.900E+00 Number of Receptors:       10
--------------- EXPOSURE PARAMETERS ----------------
Dose Impacts Base on: MCL (mg/L)
Body Weight (kg):           7.000E+01 Averaging Time (d):        2.556E+04
Water Ingestion Rate (L/d): 2.000E+00 Exposure Frequency (d/y):  3.500E+02
Exposure Duration (y):      3.000E+01
------------------------------------------------- CONTAMINANT PARAMETERS -------------------------------------------------
Contaminant Name          Inventory     Dose      Molar    Half Life  Kd Source  Kd Unsat  Kd Aquifer Additional Solubility
                                       Factor    Weight                                                Loss Rate   Limit
                            (mg)     MCL (mg/L) (g/mole)    (years)    (mL/g)     (mL/g)     (mL/g)     (1/y)     (mg/L)
-----------------------------------------------------------------------------------------------------------------------
TPH-diesel                3.220E+09  1.000E+00  1.720E+01  1.000E+06  1.780E+00  1.780E+00  1.780E+00  0.000E+00  1.000E+06
------------------------------------------- RESULTS ----------------------------------------------
```

* = Limiting pore water concentration exceeds solubility

Receptor Location X, Y, Z, (meters): 7.550E+01,-2.000E+02, 0.000E+00

Contaminant Name	Maximum Concentration (mg/L)	Average Concentration (mg/L)	Maximum Impacts (MCL)	Average Impacts (MCL)	Limiting Concentration (mg/kg)	Peak Time (years)
TPH-diesel	3.586E-07	3.144E-07	0.000E+00	0.000E+00	3.524E+11*	3.987E+02

Receptor Location X, Y, Z, (meters): 7.550E+01, 0.000E+00, 0.000E+00

Contaminant Name	Maximum Concentration (mg/L)	Average Concentration (mg/L)	Maximum Impacts (MCL)	Average Impacts (MCL)	Limiting Concentration (mg/kg)	Peak Time (years)
TPH-diesel	4.082E-03	3.536E-03	0.000E+00	0.000E+00	3.133E+07*	3.878E+02

Receptor Location X, Y, Z, (meters): 7.550E+01, 1.000E+02, 0.000E+00

Contaminant Name	Maximum Concentration (mg/L)	Average Concentration (mg/L)	Maximum Impacts (MCL)	Average Impacts (MCL)	Limiting Concentration (mg/kg)	Peak Time (years)
TPH-diesel	7.341E-02	6.218E-02	0.000E+00	0.000E+00	1.781E+06	3.835E+02

Receptor Location X, Y, Z, (meters): 7.550E+01, 2.000E+02, 0.000E+00

Contaminant Name	Maximum Concentration (mg/L)	Average Concentration (mg/L)	Maximum Impacts (MCL)	Average Impacts (MCL)	Limiting Concentration (mg/kg)	Peak Time (years)
TPH-diesel	2.718E-01	2.317E-01	0.000E+00	0.000E+00	4.781E+05	3.823E+02

Receptor Location X, Y, Z, (meters): 7.550E+01, 3.000E+02, 0.000E+00

Contaminant Name	Maximum Concentration (mg/L)	Average Concentration (mg/L)	Maximum Impacts (MCL)	Average Impacts (MCL)	Limiting Concentration (mg/kg)	Peak Time (years)
TPH-diesel	1.815E-01	1.559E-01	0.000E+00	0.000E+00	7.105E+05	3.834E+02

Receptor Location X, Y, Z, (meters): 7.550E+01, 4.000E+02, 0.000E+00

Contaminant Name	Maximum Concentration (mg/L)	Average Concentration (mg/L)	Maximum Impacts (MCL)	Average Impacts (MCL)	Limiting Concentration (mg/kg)	Peak Time (years)
TPH-diesel	2.265E-02	1.944E-02	0.000E+00	0.000E+00	5.698E+06*	3.853E+02

Receptor Location X, Y, Z, (meters): 7.550E+01, 6.000E+02, 0.000E+00

Contaminant Name	Maximum Concentration (mg/L)	Average Concentration (mg/L)	Maximum Impacts (MCL)	Average Impacts (MCL)	Limiting Concentration (mg/kg)	Peak Time (years)
TPH-diesel	6.222E-06	5.505E-06	0.000E+00	0.000E+00	2.012E+10*	3.965E+02

Receptor Location X, Y, Z, (meters): 7.550E+01, 8.000E+02, 0.000E+00

Contaminant Name	Maximum Concentration (mg/L)	Average Concentration (mg/L)	Maximum Impacts (MCL)	Average Impacts (MCL)	Limiting Concentration (mg/kg)	Peak Time (years)
TPH-diesel	5.047E-11	4.502E-11	0.000E+00	0.000E+00	2.461E+15*	4.088E+02

Receptor Location X, Y, Z, (meters): 7.550E+01, 1.000E+03, 0.000E+00

Contaminant Name	Maximum Concentration (mg/L)	Average Concentration (mg/L)	Maximum Impacts (MCL)	Average Impacts (MCL)	Limiting Concentration (mg/kg)	Peak Time (years)
TPH-diesel	6.670E-17	5.264E-17	0.000E+00	0.000E+00	2.104E+21*	4.206E+02

Receptor Location X, Y, Z, (meters): 7.550E+01, 1.200E+03, 0.000E+00

Contaminant Name	Maximum Concentration (mg/L)	Average Concentration (mg/L)	Maximum Impacts (MCL)	Average Impacts (MCL)	Limiting Concentration (mg/kg)	Peak Time (years)
TPH-diesel	1.731E-23	1.350E-23	0.000E+00	0.000E+00	8.204E+27*	4.602E+02

TIME OF RUN 17:58:46.1
DATE OF RUN 04/22/98
FILE NAME: c:\mydocu~1\WAG4\new\out\dsl-750.max

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**************************************************
*                                                *
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*     This output was produced by the model:      *
*                    GWMENU                       *
*         Version 1.01: Beta Test Version         *
* A menu-driven pre-processor for the groundwater *
* pathway screening model GWSCREEN Version 2.5    *
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*                   K-Spar Inc.                   *
*         493 N 4154 E Rigby Idaho 83442          *
*         (208) 745-8068 email asr@srv.net        *
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```


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```
TITLE: CFA-750 (tank), diesel, max
----------------- MODEL OPTIONS -------------------
Type of Output:        Limiting Conc
Integration Method:    Gaussian Quad
Source Model Type:     Surface/Buried
Dose Criteria:         MCL for Non-radiological Contaminant
--------------- SOURCE PARAMETERS -----------------
X Coordinate (m):   -4.880E+02  Y Coordinate (m):    2.530E+02
Source Length (m):   5.670E+00  Source Width (m):    3.050E+00
Thickness (m):       2.900E+00  Bulk Density (g/cc): 1.500E+00
Percolation (m/y):   1.000E-01  Moisture Content:    3.000E-01
----------- UNSATURATED ZONE PARAMETERS -----------
Unsat Thickness (m): 1.200E+01  Moisture Content:    3.000E-01
Total Porosity:      4.870E-01  Bulk Density:        1.500E+00
---------------- AQUIFER PARAMETERS ----------------
Solution Type:    2D Averaged
Pore Velocity (m/y):        5.700E+02 Aquifer Porosity:          1.000E-01
Longitudinal Disp (m):      9.000E+00 Transverse Disp (m):       4.000E+00
Vertical Disp (m):         n/a        Well Screen Thickness (m):  1.500E+01
Bulk Density (g/cc):        1.900E+00 Number of Receptors:      10
--------------- EXPOSURE PARAMETERS ----------------
Dose Impacts Base on: MCL (mg/L)
Body Weight (kg):           7.000E+01 Averaging Time (d):        2.556E+04
Water Ingestion Rate (L/d): 2.000E+00 Exposure Frequency (d/y):  3.500E+02
Exposure Duration (y):      3.000E+01
------------------------------------------------- CONTAMINANT PARAMETERS -------------------------------------------------
Contaminant Name          Inventory    Dose      Molar    Half Life  Kd Source  Kd Unsat  Kd Aquifer Additional Solubility
                                       Factor    Weight                                                Loss Rate    Limit
                            (mg)     MCL (mg/L) (g/mole)   (years)    (mL/g)     (mL/g)     (mL/g)     (1/y)      (mg/L)
--------------------------------------------------------------------------------------------------------------------------
TPH-diesel                3.220E+09  1.000E+00  1.720E+01  1.000E+06  1.780E+00  1.780E+00  1.780E+00  0.000E+00  1.000E+06
---------------------------------------------- RESULTS ----------------------------------------------
* = Limiting pore water concentration exceeds solubility
Receptor Location X, Y, Z, (meters):  7.550E+01,-2.000E+02, 0.000E+00
  Contaminant Name      Maximum       Average       Maximum       Average       Limiting      Peak Time
                      Concentration Concentration   Impacts       Impacts     Concentration   (years)
                         (mg/L)        (mg/L)        (MCL)         (MCL)        (mg/kg)
--------------------------------------------------------------------------------------------------------
TPH-diesel            3.323E-09     2.998E-09     0.000E+00     0.000E+00     1.428E+13*    4.247E+02
Receptor Location X, Y, Z, (meters):  7.550E+01, 0.000E+00, 0.000E+00
  Contaminant Name      Maximum       Average       Maximum       Average       Limiting      Peak Time
                      Concentration Concentration   Impacts       Impacts     Concentration   (years)
                         (mg/L)        (mg/L)        (MCL)         (MCL)        (mg/kg)
--------------------------------------------------------------------------------------------------------
TPH-diesel            3.113E-04     2.813E-04     0.000E+00     0.000E+00     1.522E+08*    4.126E+02
```

Receptor Location X, Y, Z, (meters): 7.550E+01, 1.000E+02, 0.000E+00

Contaminant Name	Maximum Concentration (mg/L)	Average Concentration (mg/L)	Maximum Impacts (MCL)	Average Impacts (MCL)	Limiting Concentration (mg/kg)	Peak Time (years)
TPH-diesel	1.699E-02	1.515E-02	0.000E+00	0.000E+00	2.825E+06*	4.071E+02

Receptor Location X, Y, Z, (meters): 7.550E+01, 2.000E+02, 0.000E+00

Contaminant Name	Maximum Concentration (mg/L)	Average Concentration (mg/L)	Maximum Impacts (MCL)	Average Impacts (MCL)	Limiting Concentration (mg/kg)	Peak Time (years)
TPH-diesel	1.570E-01	1.391E-01	0.000E+00	0.000E+00	3.077E+05	4.043E+02

Receptor Location X, Y, Z, (meters): 7.550E+01, 3.000E+02, 0.000E+00

Contaminant Name	Maximum Concentration (mg/L)	Average Concentration (mg/L)	Maximum Impacts (MCL)	Average Impacts (MCL)	Limiting Concentration (mg/kg)	Peak Time (years)
TPH-diesel	1.678E-01	1.489E-01	0.000E+00	0.000E+00	2.874E+05	4.043E+02

Receptor Location X, Y, Z, (meters): 7.550E+01, 4.000E+02, 0.000E+00

Contaminant Name	Maximum Concentration (mg/L)	Average Concentration (mg/L)	Maximum Impacts (MCL)	Average Impacts (MCL)	Limiting Concentration (mg/kg)	Peak Time (years)
TPH-diesel	2.049E-02	1.812E-02	0.000E+00	0.000E+00	2.362E+06*	4.063E+02

Receptor Location X, Y, Z, (meters): 7.550E+01, 6.000E+02, 0.000E+00

Contaminant Name	Maximum Concentration (mg/L)	Average Concentration (mg/L)	Maximum Impacts (MCL)	Average Impacts (MCL)	Limiting Concentration (mg/kg)	Peak Time (years)
TPH-diesel	2.223E-06	2.017E-06	0.000E+00	0.000E+00	2.122E+10*	4.184E+02

Receptor Location X, Y, Z, (meters): 7.550E+01, 8.000E+02, 0.000E+00

Contaminant Name	Maximum Concentration (mg/L)	Average Concentration (mg/L)	Maximum Impacts (MCL)	Average Impacts (MCL)	Limiting Concentration (mg/kg)	Peak Time (years)
TPH-diesel	5.927E-12	5.434E-12	0.000E+00	0.000E+00	7.877E+15*	4.326E+02

Receptor Location X, Y, Z, (meters): 7.550E+01, 1.000E+03, 0.000E+00

Contaminant Name	Maximum Concentration (mg/L)	Average Concentration (mg/L)	Maximum Impacts (MCL)	Average Impacts (MCL)	Limiting Concentration (mg/kg)	Peak Time (years)
TPH-diesel	3.091E-18	2.827E-18	0.000E+00	0.000E+00	1.514E+22*	4.546E+02

Receptor Location X, Y, Z, (meters): 7.550E+01, 1.200E+03, 0.000E+00

Contaminant Name	Maximum Concentration (mg/L)	Average Concentration (mg/L)	Maximum Impacts (MCL)	Average Impacts (MCL)	Limiting Concentration (mg/kg)	Peak Time (years)
TPH-diesel	1.122E-24	2.909E-25	0.000E+00	0.000E+00	1.471E+29*	4.700E+02

TIME OF RUN 18:00:06.8
DATE OF RUN 04/22/98
FILE NAME: c:\mydocu~1\WAG4\new\out\oil-610.max

```
*************************************************
*                                               *
*     This output was produced by the model:    *
*                    GWMENU                     *
*         Version 1.01: Beta Test Version        *
* A menu-driven pre-processor for the groundwater *
* pathway screening model GWSCREEN Version 2.5   *
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*         493 N 4154 E Rigby Idaho 83442         *
*         (208) 745-8068 email asr@srv.net       *
*************************************************
```

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TITLE: CFA-610 (tank), heating oil, max

---------- MODEL OPTIONS ----------

Type of Output: Limiting Conc
Integration Method: Gaussian Quad
Source Model Type: Surface/Buried
Dose Criteria: MCL for Non-radiological Contaminant

---------- SOURCE PARAMETERS ----------

X Coordinate (m): -7.705E+02 Y Coordinate (m): 2.101E+02
Source Length (m): 3.540E+00 Source Width (m): 2.440E+00
Thickness (m): 2.900E+00 Bulk Density (g/cc): 1.500E+00
Percolation (m/y): 1.000E-01 Moisture Content: 3.000E-01

---------- UNSATURATED ZONE PARAMETERS ----------

Unsat Thickness (m): 1.300E+01 Moisture Content: 3.000E-01
Total Porosity: 4.870E-01 Bulk Density: 1.500E+00

---------- AQUIFER PARAMETERS ----------

Solution Type: 2D Averaged
Pore Velocity (m/y): 5.700E+02 Aquifer Porosity: 1.000E-01
Longitudinal Disp (m): 9.000E+00 Transverse Disp (m): 4.000E+00
Vertical Disp (m): n/a Well Screen Thickness (m): 1.500E+01
Bulk Density (g/cc): 1.900E+00 Number of Receptors: 10

---------- EXPOSURE PARAMETERS ----------

Dose Impacts Base on: MCL (mg/L)
Body Weight (kg): 7.000E+01 Averaging Time (d): 2.556E+04
Water Ingestion Rate (L/d): 2.000E+00 Exposure Frequency (d/y): 3.500E+02
Exposure Duration (y): 3.000E+01

---------- CONTAMINANT PARAMETERS ----------

Contaminant Name	Inventory (mg)	Dose Factor MCL (mg/L)	Molar Weight (g/mole)	Half Life (years)	Kd Source (mL/g)	Kd Unsat (mL/g)	Kd Aquifer (mL/g)	Additional Loss Rate (1/y)	Solubility Limit (mg/L)
TPH-heating_oil	1.870E+09	1.000E+00	1.720E+01	1.000E+06	1.980E+00	1.980E+00	1.980E+00	0.000E+00	1.000E+06

---------- RESULTS ----------

* = Limiting pore water concentration exceeds solubility

Receptor Location X, Y, Z, (meters): 7.550E+01,-2.000E+02, 0.000E+00

Contaminant Name	Maximum Concentration (mg/L)	Average Concentration (mg/L)	Maximum Impacts (MCL)	Average Impacts (MCL)	Limiting Concentration (mg/kg)	Peak Time (years)
TPH-heating_oil	1.200E-06	1.109E-06	0.000E+00	0.000E+00	4.489E+10*	5.131E+02

Receptor Location X, Y, Z, (meters): 7.550E+01, 0.000E+00, 0.000E+00

Contaminant Name	Maximum Concentration (mg/L)	Average Concentration (mg/L)	Maximum Impacts (MCL)	Average Impacts (MCL)	Limiting Concentration (mg/kg)	Peak Time (years)
TPH-heating_oil	3.694E-03	3.389E-03	0.000E+00	0.000E+00	1.468E+07*	5.016E+02

Receptor Location X, Y, Z, (meters): 7.550E+01, 1.000E+02, 0.000E+00

Contaminant Name	Maximum Concentration (mg/L)	Average Concentration (mg/L)	Maximum Impacts (MCL)	Average Impacts (MCL)	Limiting Concentration (mg/kg)	Peak Time (years)
TPH-heating_oil	3.666E-02	3.416E-02	0.000E+00	0.000E+00	1.457E+06	5.009E+02

Receptor Location X, Y, Z, (meters): 7.550E+01, 2.000E+02, 0.000E+00

Contaminant Name	Maximum Concentration (mg/L)	Average Concentration (mg/L)	Maximum Impacts (MCL)	Average Impacts (MCL)	Limiting Concentration (mg/kg)	Peak Time (years)
TPH-heating_oil	8.943E-02	8.311E-02	0.000E+00	0.000E+00	5.988E+05	4.994E+02

Receptor Location X, Y, Z, (meters): 7.550E+01, 3.000E+02, 0.000E+00

Contaminant Name	Maximum Concentration (mg/L)	Average Concentration (mg/L)	Maximum Impacts (MCL)	Average Impacts (MCL)	Limiting Concentration (mg/kg)	Peak Time (years)
TPH-heating_oil	4.936E-02	4.559E-02	0.000E+00	0.000E+00	1.092E+06	4.994E+02
Receptor Location X, Y, Z, (meters):	7.550E+01, 4.000E+02, 0.000E+00					
Contaminant Name	Maximum Concentration (mg/L)	Average Concentration (mg/L)	Maximum Impacts (MCL)	Average Impacts (MCL)	Limiting Concentration (mg/kg)	Peak Time (years)
TPH-heating_oil	6.533E-03	6.030E-03	0.000E+00	0.000E+00	8.253E+06*	5.016E+02
Receptor Location X, Y, Z, (meters):	7.550E+01, 6.000E+02, 0.000E+00					
Contaminant Name	Maximum Concentration (mg/L)	Average Concentration (mg/L)	Maximum Impacts (MCL)	Average Impacts (MCL)	Limiting Concentration (mg/kg)	Peak Time (years)
TPH-heating_oil	3.204E-06	2.988E-06	0.000E+00	0.000E+00	1.666E+10*	5.131E+02
Receptor Location X, Y, Z, (meters):	7.550E+01, 8.000E+02, 0.000E+00					
Contaminant Name	Maximum Concentration (mg/L)	Average Concentration (mg/L)	Maximum Impacts (MCL)	Average Impacts (MCL)	Limiting Concentration (mg/kg)	Peak Time (years)
TPH-heating_oil	5.449E-11	5.179E-11	0.000E+00	0.000E+00	9.611E+14*	5.300E+02
Receptor Location X, Y, Z, (meters):	7.550E+01, 1.000E+03, 0.000E+00					
Contaminant Name	Maximum Concentration (mg/L)	Average Concentration (mg/L)	Maximum Impacts (MCL)	Average Impacts (MCL)	Limiting Concentration (mg/kg)	Peak Time (years)
TPH-heating_oil	1.299E-16	1.198E-16	0.000E+00	0.000E+00	4.154E+20*	5.446E+02
Receptor Location X, Y, Z, (meters):	7.550E+01, 1.200E+03, 0.000E+00					
Contaminant Name	Maximum Concentration (mg/L)	Average Concentration (mg/L)	Maximum Impacts (MCL)	Average Impacts (MCL)	Limiting Concentration (mg/kg)	Peak Time (years)
TPH-heating_oil	2.273E-22	2.529E-23	0.000E+00	0.000E+00	1.968E+27*	5.877E+02

TIME OF RUN 18:00:15.3
DATE OF RUN 04/22/98
FILE NAME: c:\mydocu~1\WAG4\new\out\oil-723.max

```
*************************************************
*                                               *
*     This output was produced by the model:    *
*                    GWMENU                     *
*        Version 1.01; Beta Test Version        *
* A menu-driven pre-processor for the groundwater *
* pathway screening model GWSCREEN Version 2.5  *
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*   Lockheed Martin Idaho Technologies Company  *
*      GWMENU (C) Copyright 1996, K-Spar Inc.   *
*                    09-15-97                   *
*                   K-Spar Inc.                 *
*        493 N 4154 E Rigby Idaho 83442         *
*        (208) 745-8068 email asr@srv.net       *
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```


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TITLE: CFA-723 (tank), heating oil, max
---------- MODEL OPTIONS ----------
Type of Output: Limiting Conc
Integration Method: Gaussian Quad

```
Source Model Type:     Surface/Buried
Dose Criteria:         MCL for Non-radiological Contaminant
--------------- SOURCE PARAMETERS -----------------
X Coordinate (m):   -4.884E+02  Y Coordinate (m):    2.530E+02
Source Length (m):   5.670E+00  Source Width (m):    3.050E+00
Thickness (m):       2.900E+00  Bulk Density (g/cc): 1.500E+00
Percolation (m/y):   1.000E-01  Moisture Content:    3.000E-01
------------ UNSATURATED ZONE PARAMETERS -----------
Unsat Thickness (m): 1.200E+01  Moisture Content:    3.000E-01
Total Porosity:      4.870E-01  Bulk Density:        1.500E+00
---------------- AQUIFER PARAMETERS ----------------
Solution Type:    2D Averaged
Pore Velocity (m/y):        5.700E+02 Aquifer Porosity:          1.000E-01
Longitudinal Disp (m):      9.000E+00 Transverse Disp (m):       4.000E+00
Vertical Disp (m):         n/a        Well Screen Thickness (m):  1.500E+01
Bulk Density (g/cc):        1.900E+00 Number of Receptors:       10
--------------- EXPOSURE PARAMETERS ----------------
Dose Impacts Base on: MCL (mg/L)
Body Weight (kg):           7.000E+01 Averaging Time (d):        2.556E+04
Water Ingestion Rate (L/d): 2.000E+00 Exposure Frequency (d/y):  3.500E+02
Exposure Duration (y):      3.000E+01
------------------------------------------------- CONTAMINANT PARAMETERS -------------------------------------------------
Contaminant Name          Inventory    Dose      Molar    Half Life  Kd Source  Kd Unsat  Kd Aquifer Additional Solubility
                                      Factor    Weight                                                Loss Rate    Limit
                            (mg)    MCL (mg/L) (g/mole)    (years)    (mL/g)     (mL/g)     (mL/g)     (1/y)     (mg/L)
--------------------------------------------------------------------------------------------------------------------------
TPH-heating_oil           3.750E+09 1.000E+00 1.720E+01 1.000E+06 1.980E+00 1.980E+00 1.980E+00 0.000E+00 1.000E+06
---------------------------------------------- RESULTS ----------------------------------------------
* = Limiting pore water concentration exceeds solubility
Receptor Location X, Y, Z, (meters): 7.550E+01,-2.000E+02, 0.000E+00
  Contaminant Name      Maximum      Average      Maximum      Average      Limiting     Peak Time
                      Concentration Concentration  Impacts      Impacts    Concentration   (years)
                         (mg/L)       (mg/L)       (MCL)        (MCL)        (mg/kg)
-----------------------------------------------------------------------------------------------------
TPH-heating_oil        3.538E-09    3.254E-09    0.000E+00    0.000E+00    1.532E+13*    4.682E+02
Receptor Location X, Y, Z, (meters): 7.550E+01, 0.000E+00, 0.000E+00
  Contaminant Name      Maximum      Average      Maximum      Average      Limiting     Peak Time
                      Concentration Concentration  Impacts      Impacts    Concentration   (years)
                         (mg/L)       (mg/L)       (MCL)        (MCL)        (mg/kg)
-----------------------------------------------------------------------------------------------------
TPH-heating_oil        3.300E-04    3.041E-04    0.000E+00    0.000E+00    1.639E+08*    4.548E+02
Receptor Location X, Y, Z, (meters): 7.550E+01, 1.000E+02, 0.000E+00
  Contaminant Name      Maximum      Average      Maximum      Average      Limiting     Peak Time
                      Concentration Concentration  Impacts      Impacts    Concentration   (years)
                         (mg/L)       (mg/L)       (MCL)        (MCL)        (mg/kg)
-----------------------------------------------------------------------------------------------------
TPH-heating_oil        1.797E-02    1.640E-02    0.000E+00    0.000E+00    3.040E+06*    4.487E+02
Receptor Location X, Y, Z, (meters): 7.550E+01, 2.000E+02, 0.000E+00
  Contaminant Name      Maximum      Average      Maximum      Average      Limiting     Peak Time
                      Concentration Concentration  Impacts      Impacts    Concentration   (years)
                         (mg/L)       (mg/L)       (MCL)        (MCL)        (mg/kg)
-----------------------------------------------------------------------------------------------------
TPH-heating_oil        1.658E-01    1.504E-01    0.000E+00    0.000E+00    3.314E+05     4.455E+02
Receptor Location X, Y, Z, (meters): 7.550E+01, 3.000E+02, 0.000E+00
  Contaminant Name      Maximum      Average      Maximum      Average      Limiting     Peak Time
                      Concentration Concentration  Impacts      Impacts    Concentration   (years)
                         (mg/L)       (mg/L)       (MCL)        (MCL)        (mg/kg)
-----------------------------------------------------------------------------------------------------
TPH-heating_oil        1.772E-01    1.602E-01    0.000E+00    0.000E+00    3.113E+05     4.451E+02
Receptor Location X, Y, Z, (meters): 7.550E+01, 4.000E+02, 0.000E+00
  Contaminant Name      Maximum      Average      Maximum      Average      Limiting     Peak Time
                      Concentration Concentration  Impacts      Impacts    Concentration   (years)
                         (mg/L)       (mg/L)       (MCL)        (MCL)        (mg/kg)
-----------------------------------------------------------------------------------------------------
TPH-heating_oil        2.168E-02    1.964E-02    0.000E+00    0.000E+00    2.538E+06*    4.478E+02
Receptor Location X, Y, Z, (meters): 7.550E+01, 6.000E+02, 0.000E+00
  Contaminant Name      Maximum      Average      Maximum      Average      Limiting     Peak Time
```

```
                    Concentration  Concentration     Impacts        Impacts     Concentration    (years)
                       (mg/L)         (mg/L)          (MCL)          (MCL)        (mg/kg)
-----------------------------------------------------------------------------------------------------------
TPH-heating_oil        2.362E-06      2.188E-06      0.000E+00      0.000E+00      2.278E+10*     4.612E+02
Receptor Location X, Y, Z, (meters):  7.550E+01, 8.000E+02, 0.000E+00
  Contaminant Name      Maximum        Average        Maximum        Average       Limiting      Peak Time
                    Concentration  Concentration     Impacts        Impacts     Concentration    (years)
                       (mg/L)         (mg/L)          (MCL)          (MCL)        (mg/kg)
-----------------------------------------------------------------------------------------------------------
TPH-heating_oil        6.321E-12      5.894E-12      0.000E+00      0.000E+00      8.458E+15*     4.769E+02
Receptor Location X, Y, Z, (meters):  7.550E+01, 1.000E+03, 0.000E+00
  Contaminant Name      Maximum        Average        Maximum        Average       Limiting      Peak Time
                    Concentration  Concentration     Impacts        Impacts     Concentration    (years)
                       (mg/L)         (mg/L)          (MCL)          (MCL)        (mg/kg)
-----------------------------------------------------------------------------------------------------------
TPH-heating_oil        3.290E-18      2.987E-18      0.000E+00      0.000E+00      1.669E+22*     5.009E+02
Receptor Location X, Y, Z, (meters):  7.550E+01, 1.200E+03, 0.000E+00
  Contaminant Name      Maximum        Average        Maximum        Average       Limiting      Peak Time
                    Concentration  Concentration     Impacts        Impacts     Concentration    (years)
                       (mg/L)         (mg/L)          (MCL)          (MCL)        (mg/kg)
-----------------------------------------------------------------------------------------------------------
TPH-heating_oil        1.289E-24      1.712E-25      0.000E+00      0.000E+00      2.912E+29*     5.358E+02

TIME OF RUN 18:00:23.3
DATE OF RUN 04/22/98
FILE NAME: c:\mydocu~1\WAG4\new\out\oil-726.max
  ***************************************************
  *                                                 *
  *     This output was produced by the model:      *
  *                    GWMENU                       *
  *         Version 1.01: Beta Test Version         *
  * A menu-driven pre-processor for the groundwater *
  * pathway screening model GWSCREEN Version 2.5    *
  *              GWSCREEN Copyright (C) 1992,       *
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  *      GWMENU (C) Copyright 1996, K-Spar Inc.     *
  *                    09-15-97                     *
  *                   K-Spar Inc.                   *
  *         493 N 4154 E Rigby Idaho 83442          *
  *         (208) 745-8068 email asr@srv.net        *
  ***************************************************
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 ==================================================================

TITLE: CFA-726 (tank), heating oil, max
------------------ MODEL OPTIONS -------------------
Type of Output:        Limiting Conc
Integration Method:    Gaussian Quad
Source Model Type:     Surface/Buried
Dose Criteria:         MCL for Non-radiological Contaminant
--------------- SOURCE PARAMETERS ------------------
X Coordinate (m):   -5.952E+02  Y Coordinate (m):    3.740E+02
Source Length (m):   3.870E+00  Source Width (m):    2.740E+00
Thickness (m):       1.980E+00  Bulk Density (g/cc): 1.500E+00
Percolation (m/y):   1.000E-01  Moisture Content:    3.000E-01
------------ UNSATURATED ZONE PARAMETERS -----------
Unsat Thickness (m): 1.600E+01  Moisture Content:    3.000E-01
Total Porosity:      4.870E-01  Bulk Density:        1.500E+00
---------------- AQUIFER PARAMETERS ----------------
Solution Type:    2D Averaged
Pore Velocity (m/y):        5.700E+02 Aquifer Porosity:          1.000E-01
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Longitudinal Disp (m):      9.000E+00 Transverse Disp (m):        4.000E+00
Vertical Disp (m):          n/a       Well Screen Thickness (m):  1.500E+01
Bulk Density (g/cc):        1.900E+00 Number of Receptors:        10
--------------- EXPOSURE PARAMETERS ---------------
Dose Impacts Base on: MCL (mg/L)
Body Weight (kg):           7.000E+01 Averaging Time (d):         2.556E+04
Water Ingestion Rate (L/d): 2.000E+00 Exposure Frequency (d/y):   3.500E+02
Exposure Duration (y):      3.000E+01
------------------------------------------------- CONTAMINANT PARAMETERS -------------------------------------------------
Contaminant Name          Inventory    Dose      Molar    Half Life  Kd Source  Kd Unsat  Kd Aquifer Additional Solubility
                                       Factor    Weight                                                Loss Rate    Limit
                            (mg)     MCL (mg/L) (g/mole)   (years)    (mL/g)     (mL/g)     (mL/g)     (1/y)     (mg/L)
--------------------------------------------------------------------------------------------------------------------------
TPH-heating_oil           1.870E+09  1.000E+00 1.720E+01 1.000E+06 1.980E+00 1.980E+00 1.980E+00 0.000E+00 1.000E+06
---------------------------------------------- RESULTS ----------------------------------------------
* = Limiting pore water concentration exceeds solubility
Receptor Location X, Y, Z, (meters): 7.550E+01,-2.000E+02, 0.000E+00
  Contaminant Name      Maximum      Average      Maximum      Average      Limiting     Peak Time
                      Concentration Concentration  Impacts      Impacts    Concentration   (years)
                         (mg/L)       (mg/L)       (MCL)        (MCL)       (mg/kg)
-----------------------------------------------------------------------------------------------------
TPH-heating_oil        7.440E-12    6.800E-12    0.000E+00    0.000E+00    8.732E+15*    6.125E+02
Receptor Location X, Y, Z, (meters): 7.550E+01, 0.000E+00, 0.000E+00
  Contaminant Name      Maximum      Average      Maximum      Average      Limiting     Peak Time
                      Concentration Concentration  Impacts      Impacts    Concentration   (years)
                         (mg/L)       (mg/L)       (MCL)        (MCL)       (mg/kg)
-----------------------------------------------------------------------------------------------------
TPH-heating_oil        1.471E-06    1.336E-06    0.000E+00    0.000E+00    4.445E+10*    5.979E+02
Receptor Location X, Y, Z, (meters): 7.550E+01, 1.000E+02, 0.000E+00
  Contaminant Name      Maximum      Average      Maximum      Average      Limiting     Peak Time
                      Concentration Concentration  Impacts      Impacts    Concentration   (years)
                         (mg/L)       (mg/L)       (MCL)        (MCL)       (mg/kg)
-----------------------------------------------------------------------------------------------------
TPH-heating_oil        2.060E-04    1.831E-04    0.000E+00    0.000E+00    3.243E+08*    5.903E+02
Receptor Location X, Y, Z, (meters): 7.550E+01, 2.000E+02, 0.000E+00
  Contaminant Name      Maximum      Average      Maximum      Average      Limiting     Peak Time
                      Concentration Concentration  Impacts      Impacts    Concentration   (years)
                         (mg/L)       (mg/L)       (MCL)        (MCL)       (mg/kg)
-----------------------------------------------------------------------------------------------------
TPH-heating_oil        8.858E-03    7.952E-03    0.000E+00    0.000E+00    7.467E+06*    5.859E+02
Receptor Location X, Y, Z, (meters): 7.550E+01, 3.000E+02, 0.000E+00
  Contaminant Name      Maximum      Average      Maximum      Average      Limiting     Peak Time
                      Concentration Concentration  Impacts      Impacts    Concentration   (years)
                         (mg/L)       (mg/L)       (MCL)        (MCL)       (mg/kg)
-----------------------------------------------------------------------------------------------------
TPH-heating_oil        8.389E-02    7.513E-02    0.000E+00    0.000E+00    7.903E+05     5.832E+02
Receptor Location X, Y, Z, (meters): 7.550E+01, 4.000E+02, 0.000E+00
  Contaminant Name      Maximum      Average      Maximum      Average      Limiting     Peak Time
                      Concentration Concentration  Impacts      Impacts    Concentration   (years)
                         (mg/L)       (mg/L)       (MCL)        (MCL)       (mg/kg)
-----------------------------------------------------------------------------------------------------
TPH-heating_oil        1.319E-01    1.171E-01    0.000E+00    0.000E+00    5.072E+05     5.820E+02
Receptor Location X, Y, Z, (meters): 7.550E+01, 6.000E+02, 0.000E+00
  Contaminant Name      Maximum      Average      Maximum      Average      Limiting     Peak Time
                      Concentration Concentration  Impacts      Impacts    Concentration   (years)
                         (mg/L)       (mg/L)       (MCL)        (MCL)       (mg/kg)
-----------------------------------------------------------------------------------------------------
TPH-heating_oil        1.478E-03    1.329E-03    0.000E+00    0.000E+00    4.467E+07*    5.883E+02
Receptor Location X, Y, Z, (meters): 7.550E+01, 8.000E+02, 0.000E+00
  Contaminant Name      Maximum      Average      Maximum      Average      Limiting     Peak Time
                      Concentration Concentration  Impacts      Impacts    Concentration   (years)
                         (mg/L)       (mg/L)       (MCL)        (MCL)       (mg/kg)
-----------------------------------------------------------------------------------------------------
TPH-heating_oil        7.876E-08    6.973E-08    0.000E+00    0.000E+00    8.516E+11*    5.988E+02
Receptor Location X, Y, Z, (meters): 7.550E+01, 1.000E+03, 0.000E+00
  Contaminant Name      Maximum      Average      Maximum      Average      Limiting     Peak Time
                      Concentration Concentration  Impacts      Impacts    Concentration   (years)
```

```
                        (mg/L)        (mg/L)        (MCL)         (MCL)        (mg/kg)
-----------------------------------------------------------------------------------------------------------
TPH-heating_oil         2.226E-13     2.047E-13     0.000E+00     0.000E+00    2.901E+17*    6.172E+02
Receptor Location X, Y, Z, (meters):  7.550E+01, 1.200E+03, 0.000E+00
  Contaminant Name       Maximum       Average       Maximum       Average      Limiting      Peak Time
                      Concentration Concentration    Impacts       Impacts    Concentration    (years)
                         (mg/L)        (mg/L)        (MCL)         (MCL)        (mg/kg)
-----------------------------------------------------------------------------------------------------------
TPH-heating_oil         1.476E-19     1.152E-19     0.000E+00     0.000E+00    5.157E+23*    6.471E+02

TIME OF RUN 18:00:34.3
DATE OF RUN 04/22/98
FILE NAME: c:\mydocu~1\WAG4\new\out\oil-728.max
 ***************************************************
 *                                                 *
 *     This output was produced by the model:      *
 *                    GWMENU                       *
 *        Version 1.01; Beta Test Version          *
 * A menu-driven pre-processor for the groundwater *
 * pathway screening model GWSCREEN Version 2.5    *
 *             GWSCREEN Copyright (C) 1992,        *
 *   Lockheed Martin Idaho Technologies Company   *
 *      GWMENU (C) Copyright 1996, K-Spar Inc.     *
 *                    09-15-97                     *
 *                   K-Spar Inc.                   *
 *        493 N 4154 E Rigby Idaho 83442           *
 *        (208) 745-8068 email asr@srv.net         *
 ***************************************************
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 ==================================================================

TITLE: CFA-728 (tank), heating oil, max
----------------- MODEL OPTIONS -------------------
Type of Output:        Limiting Conc
Integration Method:    Gaussian Quad
Source Model Type:     Surface/Buried
Dose Criteria:         MCL for Non-radiological Contaminant
--------------- SOURCE PARAMETERS -----------------
X Coordinate (m):   -6.452E+02  Y Coordinate (m):    3.918E+02
Source Length (m):   3.870E+00  Source Width (m):    2.740E+00
Thickness (m):       2.300E+00  Bulk Density (g/cc): 1.500E+00
Percolation (m/y):   1.000E-01  Moisture Content:    3.000E-01
------------ UNSATURATED ZONE PARAMETERS -----------
Unsat Thickness (m): 1.730E+01  Moisture Content:    3.000E-01
Total Porosity:      4.870E-01  Bulk Density:        1.500E+00
---------------- AQUIFER PARAMETERS ----------------
Solution Type:    2D Averaged
Pore Velocity (m/y):        5.700E+02 Aquifer Porosity:          1.000E-01
Longitudinal Disp (m):      9.000E+00 Transverse Disp (m):       4.000E+00
Vertical Disp (m):         n/a        Well Screen Thickness (m):  1.500E+01
Bulk Density (g/cc):        1.900E+00 Number of Receptors:       10
--------------- EXPOSURE PARAMETERS ----------------
Dose Impacts Base on: MCL (mg/L)
Body Weight (kg):           7.000E+01 Averaging Time (d):        2.556E+04
Water Ingestion Rate (L/d): 2.000E+00 Exposure Frequency (d/y):  3.500E+02
Exposure Duration (y):      3.000E+01
------------------------------------------------- CONTAMINANT PARAMETERS -------------------------------------------------
Contaminant Name          Inventory     Dose       Molar    Half Life  Kd Source  Kd Unsat  Kd Aquifer Additional Solubility
                                       Factor     Weight                                                Loss Rate    Limit
                            (mg)     MCL (mg/L)  (g/mole)    (years)    (mL/g)     (mL/g)     (mL/g)      (1/y)      (mg/L)
-----------------------------------------------------------------------------------------------------------------------------
```

```
TPH-heating_oil          2.060E+10  1.000E+00  1.720E+01  1.000E+06  1.980E+00  1.980E+00  1.980E+00  0.000E+00  1.000E+06
---------------------------------------------- RESULTS ----------------------------------------------
* = Limiting pore water concentration exceeds solubility
Receptor Location X, Y, Z, (meters):  7.550E+01,-2.000E+02, 0.000E+00
  Contaminant Name      Maximum       Average       Maximum       Average       Limiting      Peak Time
                      Concentration Concentration   Impacts       Impacts     Concentration    (years)
                         (mg/L)        (mg/L)        (MCL)         (MCL)        (mg/kg)
-----------------------------------------------------------------------------------------------------
TPH-heating_oil        6.347E-11     5.894E-11     0.000E+00     0.000E+00     9.554E+15*    6.604E+02
Receptor Location X, Y, Z, (meters):  7.550E+01, 0.000E+00, 0.000E+00
  Contaminant Name      Maximum       Average       Maximum       Average       Limiting      Peak Time
                      Concentration Concentration   Impacts       Impacts     Concentration    (years)
                         (mg/L)        (mg/L)        (MCL)         (MCL)        (mg/kg)
-----------------------------------------------------------------------------------------------------
TPH-heating_oil        1.021E-05     9.344E-06     0.000E+00     0.000E+00     6.026E+10*    6.451E+02
Receptor Location X, Y, Z, (meters):  7.550E+01, 1.000E+02, 0.000E+00
  Contaminant Name      Maximum       Average       Maximum       Average       Limiting      Peak Time
                      Concentration Concentration   Impacts       Impacts     Concentration    (years)
                         (mg/L)        (mg/L)        (MCL)         (MCL)        (mg/kg)
-----------------------------------------------------------------------------------------------------
TPH-heating_oil        1.339E-03     1.228E-03     0.000E+00     0.000E+00     4.586E+08*    6.394E+02
Receptor Location X, Y, Z, (meters):  7.550E+01, 2.000E+02, 0.000E+00
  Contaminant Name      Maximum       Average       Maximum       Average       Limiting      Peak Time
                      Concentration Concentration   Impacts       Impacts     Concentration    (years)
                         (mg/L)        (mg/L)        (MCL)         (MCL)        (mg/kg)
-----------------------------------------------------------------------------------------------------
TPH-heating_oil        5.838E-02     5.305E-02     0.000E+00     0.000E+00     1.062E+07*    6.330E+02
Receptor Location X, Y, Z, (meters):  7.550E+01, 3.000E+02, 0.000E+00
  Contaminant Name      Maximum       Average       Maximum       Average       Limiting      Peak Time
                      Concentration Concentration   Impacts       Impacts     Concentration    (years)
                         (mg/L)        (mg/L)        (MCL)         (MCL)        (mg/kg)
-----------------------------------------------------------------------------------------------------
TPH-heating_oil        6.307E-01     5.747E-01     0.000E+00     0.000E+00     9.799E+05     6.303E+02
Receptor Location X, Y, Z, (meters):  7.550E+01, 4.000E+02, 0.000E+00
  Contaminant Name      Maximum       Average       Maximum       Average       Limiting      Peak Time
                      Concentration Concentration   Impacts       Impacts     Concentration    (years)
                         (mg/L)        (mg/L)        (MCL)         (MCL)        (mg/kg)
-----------------------------------------------------------------------------------------------------
TPH-heating_oil        1.309E+00     1.173E+00     0.000E+00     0.000E+00     4.798E+05     6.284E+02
Receptor Location X, Y, Z, (meters):  7.550E+01, 6.000E+02, 0.000E+00
  Contaminant Name      Maximum       Average       Maximum       Average       Limiting      Peak Time
                      Concentration Concentration   Impacts       Impacts     Concentration    (years)
                         (mg/L)        (mg/L)        (MCL)         (MCL)        (mg/kg)
-----------------------------------------------------------------------------------------------------
TPH-heating_oil        3.417E-02     3.085E-02     0.000E+00     0.000E+00     1.825E+07*    6.332E+02
Receptor Location X, Y, Z, (meters):  7.550E+01, 8.000E+02, 0.000E+00
  Contaminant Name      Maximum       Average       Maximum       Average       Limiting      Peak Time
                      Concentration Concentration   Impacts       Impacts     Concentration    (years)
                         (mg/L)        (mg/L)        (MCL)         (MCL)        (mg/kg)
-----------------------------------------------------------------------------------------------------
TPH-heating_oil        4.195E-06     3.804E-06     0.000E+00     0.000E+00     1.480E+11*    6.451E+02
Receptor Location X, Y, Z, (meters):  7.550E+01, 1.000E+03, 0.000E+00
  Contaminant Name      Maximum       Average       Maximum       Average       Limiting      Peak Time
                      Concentration Concentration   Impacts       Impacts     Concentration    (years)
                         (mg/L)        (mg/L)        (MCL)         (MCL)        (mg/kg)
-----------------------------------------------------------------------------------------------------
TPH-heating_oil        2.146E-11     1.976E-11     0.000E+00     0.000E+00     2.850E+16*    6.604E+02
Receptor Location X, Y, Z, (meters):  7.550E+01, 1.200E+03, 0.000E+00
  Contaminant Name      Maximum       Average       Maximum       Average       Limiting      Peak Time
                      Concentration Concentration   Impacts       Impacts     Concentration    (years)
                         (mg/L)        (mg/L)        (MCL)         (MCL)        (mg/kg)
-----------------------------------------------------------------------------------------------------
TPH-heating_oil        2.641E-17     1.653E-17     0.000E+00     0.000E+00     3.408E+22*    6.737E+02

TIME OF RUN 18:00:46.4
DATE OF RUN 04/22/98
FILE NAME: c:\mydocu~1\WAG4\new\out\oil-733.max
```

```
*************************************************
*                                               *
*     This output was produced by the model:    *
*                    GWMENU                     *
*         Version 1.01: Beta Test Version       *
* A menu-driven pre-processor for the groundwater *
* pathway screening model GWSCREEN Version 2.5  *
*             GWSCREEN Copyright (C) 1992.      *
*   Lockheed Martin Idaho Technologies Company  *
*      GWMENU (C) Copyright 1996, K-Spar Inc.   *
*                    09-15-97                   *
*                   K-Spar Inc.                 *
*        493 N 4154 E Rigby Idaho 83442         *
*        (208) 745-8068 email asr@srv.net       *
*************************************************
```


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Numerical Recipes, Cambridge University Press.
=====================================================================
```


```
TITLE: CFA-733 (tank), heating oil, max
----------------- MODEL OPTIONS -------------------
Type of Output:        Limiting Conc
Integration Method:    Gaussian Quad
Source Model Type:     Surface/Buried
Dose Criteria:         MCL for Non-radiological Contaminant
--------------- SOURCE PARAMETERS -----------------
X Coordinate (m):   -4.884E+02  Y Coordinate (m):    2.530E+02
Source Length (m):   5.670E+00  Source Width (m):    3.050E+00
Thickness (m):       2.900E+00  Bulk Density (g/cc): 1.500E+00
Percolation (m/y):   1.000E-01  Moisture Content:    3.000E-01
------------ UNSATURATED ZONE PARAMETERS -----------
Unsat Thickness (m): 1.200E+01  Moisture Content:    3.000E-01
Total Porosity:      4.870E-01  Bulk Density:        1.500E+00
---------------- AQUIFER PARAMETERS ----------------
Solution Type:    2D Averaged
Pore Velocity (m/y):        5.700E+02 Aquifer Porosity:          1.000E-01
Longitudinal Disp (m):      9.000E+00 Transverse Disp (m):       4.000E+00
Vertical Disp (m):         n/a        Well Screen Thickness (m):  1.500E+01
Bulk Density (g/cc):        1.900E+00 Number of Receptors:       10
--------------- EXPOSURE PARAMETERS ----------------
Dose Impacts Base on: MCL (mg/L)
Body Weight (kg):           7.000E+01 Averaging Time (d):        2.556E+04
Water Ingestion Rate (L/d): 2.000E+00 Exposure Frequency (d/y):  3.500E+02
Exposure Duration (y):      3.000E+01
------------------------------------------------- CONTAMINANT PARAMETERS -------------------------------------------------
Contaminant Name          Inventory     Dose      Molar    Half Life  Kd Source  Kd Unsat  Kd Aquifer Additional Solubility
                                       Factor    Weight                                                Loss Rate    Limit
                            (mg)     MCL (mg/L) (g/mole)    (years)    (mL/g)     (mL/g)     (mL/g)      (1/y)     (mg/L)
--------------------------------------------------------------------------------------------------------------------------
TPH-heating_oil           3.750E+09  1.000E+00  1.720E+01  1.000E+06  1.980E+00  1.980E+00  1.980E+00  0.000E+00  1.000E+06
---------------------------------------------- RESULTS ----------------------------------------------
* = Limiting pore water concentration exceeds solubility
Receptor Location X, Y, Z, (meters):  7.550E+01,-2.000E+02, 0.000E+00
  Contaminant Name       Maximum       Average       Maximum       Average       Limiting      Peak Time
                      Concentration  Concentration    Impacts       Impacts     Concentration    (years)
                         (mg/L)         (mg/L)         (MCL)         (MCL)         (mg/kg)
--------------------------------------------------------------------------------------------------------
TPH-heating_oil         3.538E-09      3.254E-09      0.000E+00     0.000E+00     1.532E+13*    4.682E+02
Receptor Location X, Y, Z, (meters):  7.550E+01, 0.000E+00, 0.000E+00
  Contaminant Name       Maximum       Average       Maximum       Average       Limiting      Peak Time
                      Concentration  Concentration    Impacts       Impacts     Concentration    (years)
                         (mg/L)         (mg/L)         (MCL)         (MCL)         (mg/kg)
```

```
-----------------------------------------------------------------------------------------------------------
TPH-heating_oil          3.300E-04      3.041E-04      0.000E+00      0.000E+00      1.639E+08*     4.548E+02
Receptor Location X, Y, Z, (meters):  7.550E+01, 1.000E+02, 0.000E+00
  Contaminant Name       Maximum        Average        Maximum        Average        Limiting       Peak Time
                       Concentration  Concentration     Impacts        Impacts      Concentration    (years)
                          (mg/L)         (mg/L)         (MCL)          (MCL)          (mg/kg)
-----------------------------------------------------------------------------------------------------------
TPH-heating_oil          1.797E-02      1.640E-02      0.000E+00      0.000E+00      3.040E+06*     4.487E+02
Receptor Location X, Y, Z, (meters):  7.550E+01, 2.000E+02, 0.000E+00
  Contaminant Name       Maximum        Average        Maximum        Average        Limiting       Peak Time
                       Concentration  Concentration     Impacts        Impacts      Concentration    (years)
                          (mg/L)         (mg/L)         (MCL)          (MCL)          (mg/kg)
-----------------------------------------------------------------------------------------------------------
TPH-heating_oil          1.658E-01      1.504E-01      0.000E+00      0.000E+00      3.314E+05      4.455E+02
Receptor Location X, Y, Z, (meters):  7.550E+01, 3.000E+02, 0.000E+00
  Contaminant Name       Maximum        Average        Maximum        Average        Limiting       Peak Time
                       Concentration  Concentration     Impacts        Impacts      Concentration    (years)
                          (mg/L)         (mg/L)         (MCL)          (MCL)          (mg/kg)
-----------------------------------------------------------------------------------------------------------
TPH-heating_oil          1.772E-01      1.602E-01      0.000E+00      0.000E+00      3.113E+05      4.451E+02
Receptor Location X, Y, Z, (meters):  7.550E+01, 4.000E+02, 0.000E+00
  Contaminant Name       Maximum        Average        Maximum        Average        Limiting       Peak Time
                       Concentration  Concentration     Impacts        Impacts      Concentration    (years)
                          (mg/L)         (mg/L)         (MCL)          (MCL)          (mg/kg)
-----------------------------------------------------------------------------------------------------------
TPH-heating_oil          2.168E-02      1.964E-02      0.000E+00      0.000E+00      2.538E+06*     4.478E+02
Receptor Location X, Y, Z, (meters):  7.550E+01, 6.000E+02, 0.000E+00
  Contaminant Name       Maximum        Average        Maximum        Average        Limiting       Peak Time
                       Concentration  Concentration     Impacts        Impacts      Concentration    (years)
                          (mg/L)         (mg/L)         (MCL)          (MCL)          (mg/kg)
-----------------------------------------------------------------------------------------------------------
TPH-heating_oil          2.362E-06      2.188E-06      0.000E+00      0.000E+00      2.278E+10*     4.612E+02
Receptor Location X, Y, Z, (meters):  7.550E+01, 8.000E+02, 0.000E+00
  Contaminant Name       Maximum        Average        Maximum        Average        Limiting       Peak Time
                       Concentration  Concentration     Impacts        Impacts      Concentration    (years)
                          (mg/L)         (mg/L)         (MCL)          (MCL)          (mg/kg)
-----------------------------------------------------------------------------------------------------------
TPH-heating_oil          6.321E-12      5.894E-12      0.000E+00      0.000E+00      8.458E+15*     4.769E+02
Receptor Location X, Y, Z, (meters):  7.550E+01, 1.000E+03, 0.000E+00
  Contaminant Name       Maximum        Average        Maximum        Average        Limiting       Peak Time
                       Concentration  Concentration     Impacts        Impacts      Concentration    (years)
                          (mg/L)         (mg/L)         (MCL)          (MCL)          (mg/kg)
-----------------------------------------------------------------------------------------------------------
TPH-heating_oil          3.290E-18      2.987E-18      0.000E+00      0.000E+00      1.669E+22*     5.009E+02
Receptor Location X, Y, Z, (meters):  7.550E+01, 1.200E+03, 0.000E+00
  Contaminant Name       Maximum        Average        Maximum        Average        Limiting       Peak Time
                       Concentration  Concentration     Impacts        Impacts      Concentration    (years)
                          (mg/L)         (mg/L)         (MCL)          (MCL)          (mg/kg)
-----------------------------------------------------------------------------------------------------------
TPH-heating_oil          1.289E-24      1.712E-25      0.000E+00      0.000E+00      2.912E+29*     5.358E+02

TIME OF RUN 18:01:38.2
DATE OF RUN 04/22/98
FILE NAME: c:\mydocu~1\WAG4\new\out\oil-734.max
  ***************************************************
  *                                                 *
  *     This output was produced by the model:      *
  *                    GWMENU                       *
  *         Version 1.01: Beta Test Version         *
  * A menu-driven pre-processor for the groundwater *
  * pathway screening model GWSCREEN Version 2.5    *
  *              GWSCREEN Copyright (C) 1992,       *
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  *      GWMENU (C) Copyright 1996, K-Spar Inc.     *
  *                    09-15-97                     *
  *                   K-Spar Inc.                   *
  *         493 N 4154 E Rigby Idaho 83442          *
```

```
*        (208) 745-8068 email asr@srv.net        *
**************************************************
```


```
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```


```
TITLE: CFA-734 (tank), heating oil, max
----------------- MODEL OPTIONS ------------------
Type of Output:        Limiting Conc
Integration Method:    Gaussian Quad
Source Model Type:     Surface/Buried
Dose Criteria:         MCL for Non-radiological Contaminant
--------------- SOURCE PARAMETERS -----------------
X Coordinate (m):   -7.995E+02  Y Coordinate (m):    2.678E+02
Source Length (m):   4.050E+00  Source Width (m):    2.440E+00
Thickness (m):       2.300E+00  Bulk Density (g/cc): 1.500E+00
Percolation (m/y):   1.000E-01  Moisture Content:    3.000E-01
------------ UNSATURATED ZONE PARAMETERS -----------
Unsat Thickness (m): 1.600E+01  Moisture Content:    3.000E-01
Total Porosity:      4.870E-01  Bulk Density:        1.500E+00
---------------- AQUIFER PARAMETERS ----------------
Solution Type:    2D Averaged
Pore Velocity (m/y):        5.700E+02 Aquifer Porosity:          1.000E-01
Longitudinal Disp (m):      9.000E+00 Transverse Disp (m):       4.000E+00
Vertical Disp (m):         n/a        Well Screen Thickness (m):  1.500E+01
Bulk Density (g/cc):        1.900E+00 Number of Receptors:       10
--------------- EXPOSURE PARAMETERS ----------------
Dose Impacts Base on: MCL (mg/L)
Body Weight (kg):           7.000E+01 Averaging Time (d):        2.556E+04
Water Ingestion Rate (L/d): 2.000E+00 Exposure Frequency (d/y):  3.500E+02
Exposure Duration (y):      3.000E+01
------------------------------------------------- CONTAMINANT PARAMETERS -------------------------------------------------
Contaminant Name          Inventory    Dose      Molar    Half Life  Kd Source  Kd Unsat  Kd Aquifer Additional Solubility
                                      Factor    Weight                                                Loss Rate    Limit
                            (mg)    MCL (mg/L) (g/mole)    (years)    (mL/g)     (mL/g)     (mL/g)     (1/y)     (mg/L)
--------------------------------------------------------------------------------------------------------------------------
TPH-heating_oil           1.870E+09 1.000E+00 1.720E+01 1.000E+06 1.980E+00 1.980E+00 1.980E+00 0.000E+00 1.000E+06
------------------------------------------- RESULTS ----------------------------------------------
* = Limiting pore water concentration exceeds solubility
Receptor Location X, Y, Z, (meters):  7.550E+01,-2.000E+02, 0.000E+00
  Contaminant Name       Maximum       Average       Maximum       Average      Limiting      Peak Time
                      Concentration Concentration    Impacts       Impacts    Concentration    (years)
                         (mg/L)        (mg/L)        (MCL)         (MCL)        (mg/kg)
--------------------------------------------------------------------------------------------------------
TPH-heating_oil         1.040E-07     9.644E-08     0.000E+00     0.000E+00     5.687E+11*    6.175E+02
Receptor Location X, Y, Z, (meters):  7.550E+01, 0.000E+00, 0.000E+00
  Contaminant Name       Maximum       Average       Maximum       Average      Limiting      Peak Time
                      Concentration Concentration    Impacts       Impacts    Concentration    (years)
                         (mg/L)        (mg/L)        (MCL)         (MCL)        (mg/kg)
--------------------------------------------------------------------------------------------------------
TPH-heating_oil         7.701E-04     7.015E-04     0.000E+00     0.000E+00     7.819E+07*    6.037E+02
Receptor Location X, Y, Z, (meters):  7.550E+01, 1.000E+02, 0.000E+00
  Contaminant Name       Maximum       Average       Maximum       Average      Limiting      Peak Time
                      Concentration Concentration    Impacts       Impacts    Concentration    (years)
                         (mg/L)        (mg/L)        (MCL)         (MCL)        (mg/kg)
--------------------------------------------------------------------------------------------------------
TPH-heating_oil         1.451E-02     1.327E-02     0.000E+00     0.000E+00     4.133E+06*    6.002E+02
Receptor Location X, Y, Z, (meters):  7.550E+01, 2.000E+02, 0.000E+00
  Contaminant Name       Maximum       Average       Maximum       Average      Limiting      Peak Time
                      Concentration Concentration    Impacts       Impacts    Concentration    (years)
                         (mg/L)        (mg/L)        (MCL)         (MCL)        (mg/kg)
--------------------------------------------------------------------------------------------------------
```

```
TPH-heating_oil          7.667E-02      6.976E-02      0.000E+00      0.000E+00      7.863E+05      5.979E+02
Receptor Location X, Y, Z, (meters):  7.550E+01, 3.000E+02, 0.000E+00
  Contaminant Name       Maximum        Average        Maximum        Average        Limiting       Peak Time
                       Concentration  Concentration     Impacts        Impacts     Concentration    (years)
                          (mg/L)         (mg/L)         (MCL)          (MCL)         (mg/kg)
-----------------------------------------------------------------------------------------------------------
TPH-heating_oil          9.905E-02      9.038E-02      0.000E+00      0.000E+00      6.069E+05      5.979E+02
Receptor Location X, Y, Z, (meters):  7.550E+01, 4.000E+02, 0.000E+00
  Contaminant Name       Maximum        Average        Maximum        Average        Limiting       Peak Time
                       Concentration  Concentration     Impacts        Impacts     Concentration    (years)
                          (mg/L)         (mg/L)         (MCL)          (MCL)         (mg/kg)
-----------------------------------------------------------------------------------------------------------
TPH-heating_oil          3.077E-02      2.810E-02      0.000E+00      0.000E+00      1.952E+06      5.995E+02
Receptor Location X, Y, Z, (meters):  7.550E+01, 6.000E+02, 0.000E+00
  Contaminant Name       Maximum        Average        Maximum        Average        Limiting       Peak Time
                       Concentration  Concentration     Impacts        Impacts     Concentration    (years)
                          (mg/L)         (mg/L)         (MCL)          (MCL)         (mg/kg)
-----------------------------------------------------------------------------------------------------------
TPH-heating_oil          6.494E-05      5.925E-05      0.000E+00      0.000E+00      9.258E+08*     6.075E+02
Receptor Location X, Y, Z, (meters):  7.550E+01, 8.000E+02, 0.000E+00
  Contaminant Name       Maximum        Average        Maximum        Average        Limiting       Peak Time
                       Concentration  Concentration     Impacts        Impacts     Concentration    (years)
                          (mg/L)         (mg/L)         (MCL)          (MCL)         (mg/kg)
-----------------------------------------------------------------------------------------------------------
TPH-heating_oil          3.072E-09      2.837E-09      0.000E+00      0.000E+00      1.933E+13*     6.207E+02
Receptor Location X, Y, Z, (meters):  7.550E+01, 1.000E+03, 0.000E+00
  Contaminant Name       Maximum        Average        Maximum        Average        Limiting       Peak Time
                       Concentration  Concentration     Impacts        Impacts     Concentration    (years)
                          (mg/L)         (mg/L)         (MCL)          (MCL)         (mg/kg)
-----------------------------------------------------------------------------------------------------------
TPH-heating_oil          1.371E-14      1.286E-14      0.000E+00      0.000E+00      4.265E+18*     6.374E+02
Receptor Location X, Y, Z, (meters):  7.550E+01, 1.200E+03, 0.000E+00
  Contaminant Name       Maximum        Average        Maximum        Average        Limiting       Peak Time
                       Concentration  Concentration     Impacts        Impacts     Concentration    (years)
                          (mg/L)         (mg/L)         (MCL)          (MCL)         (mg/kg)
-----------------------------------------------------------------------------------------------------------
TPH-heating_oil          3.683E-20      1.172E-20      0.000E+00      0.000E+00      4.679E+24*     6.482E+02

TIME OF RUN 18:01:50.0
DATE OF RUN 04/22/98
FILE NAME: c:\mydocu~1\WAG4\new\out\oil-735.max
  ***************************************************
  *                                                 *
  *     This output was produced by the model:      *
  *                    GWMENU                       *
  *         Version 1.01; Beta Test Version         *
  * A menu-driven pre-processor for the groundwater *
  * pathway screening model GWSCREEN Version 2.5    *
  *             GWSCREEN Copyright (C) 1992,        *
  *   Lockheed Martin Idaho Technologies Company    *
  *      GWMENU (C) Copyright 1996, K-Spar Inc.     *
  *                    09-15-97                     *
  *                   K-Spar Inc.                   *
  *         493 N 4154 E Rigby Idaho 83442          *
  *         (208) 745-8068 email asr@srv.net        *
  ***************************************************
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 ==================================================================

TITLE: CFA-735 (tank), heating oil, max
------------------ MODEL OPTIONS -------------------
```

```
Type of Output:        Limiting Conc
Integration Method:    Gaussian Quad
Source Model Type:     Surface/Buried
Dose Criteria:         MCL for Non-radiological Contaminant
-------------- SOURCE PARAMETERS -----------------
X Coordinate (m):   -8.416E+02  Y Coordinate (m):    1.740E+02
Source Length (m):   3.800E+00  Source Width (m):    2.440E+00
Thickness (m):       2.600E+00  Bulk Density (g/cc): 1.500E+00
Percolation (m/y):   1.000E-01  Moisture Content:    3.000E-01
------------ UNSATURATED ZONE PARAMETERS -----------
Unsat Thickness (m): 1.450E+01  Moisture Content:    3.000E-01
Total Porosity:      4.870E-01  Bulk Density:        1.500E+00
--------------- AQUIFER PARAMETERS ---------------
Solution Type:    2D Averaged
Pore Velocity (m/y):        5.700E+02 Aquifer Porosity:          1.000E-01
Longitudinal Disp (m):      9.000E+00 Transverse Disp (m):       4.000E+00
Vertical Disp (m):         n/a        Well Screen Thickness (m):  1.500E+01
Bulk Density (g/cc):        1.900E+00 Number of Receptors:       10
-------------- EXPOSURE PARAMETERS ---------------
Dose Impacts Base on: MCL (mg/L)
Body Weight (kg):           7.000E+01 Averaging Time (d):        2.556E+04
Water Ingestion Rate (L/d): 2.000E+00 Exposure Frequency (d/y):  3.500E+02
Exposure Duration (y):      3.000E+01
---------------------------------------------------- CONTAMINANT PARAMETERS ----------------------------------------------------
Contaminant Name          Inventory    Dose      Molar    Half Life  Kd Source  Kd Unsat  Kd Aquifer Additional Solubility
                                      Factor    Weight                                                Loss Rate    Limit
                            (mg)    MCL (mg/L) (g/mole)    (years)    (mL/g)     (mL/g)     (mL/g)      (1/y)     (mg/L)
-------------------------------------------------------------------------------------------------------------------------------
TPH-heating_oil           1.870E+09 1.000E+00 1.720E+01 1.000E+06 1.980E+00 1.980E+00 1.980E+00 0.000E+00 1.000E+06
-------------------------------------------- RESULTS ----------------------------------------------
* = Limiting pore water concentration exceeds solubility
Receptor Location X, Y, Z, (meters): 7.550E+01,-2.000E+02, 0.000E+00
  Contaminant Name      Maximum       Average       Maximum       Average       Limiting      Peak Time
                      Concentration Concentration   Impacts       Impacts     Concentration    (years)
                         (mg/L)        (mg/L)        (MCL)         (MCL)        (mg/kg)
-----------------------------------------------------------------------------------------------------
TPH-heating_oil        1.328E-05     1.235E-05     0.000E+00     0.000E+00     4.186E+09*    5.650E+02
Receptor Location X, Y, Z, (meters): 7.550E+01, 0.000E+00, 0.000E+00
  Contaminant Name      Maximum       Average       Maximum       Average       Limiting      Peak Time
                      Concentration Concentration   Impacts       Impacts     Concentration    (years)
                         (mg/L)        (mg/L)        (MCL)         (MCL)        (mg/kg)
-----------------------------------------------------------------------------------------------------
TPH-heating_oil        1.214E-02     1.115E-02     0.000E+00     0.000E+00     4.640E+06*    5.542E+02
Receptor Location X, Y, Z, (meters): 7.550E+01, 1.000E+02, 0.000E+00
  Contaminant Name      Maximum       Average       Maximum       Average       Limiting      Peak Time
                      Concentration Concentration   Impacts       Impacts     Concentration    (years)
                         (mg/L)        (mg/L)        (MCL)         (MCL)        (mg/kg)
-----------------------------------------------------------------------------------------------------
TPH-heating_oil        6.460E-02     5.923E-02     0.000E+00     0.000E+00     8.731E+05     5.523E+02
Receptor Location X, Y, Z, (meters): 7.550E+01, 2.000E+02, 0.000E+00
  Contaminant Name      Maximum       Average       Maximum       Average       Limiting      Peak Time
                      Concentration Concentration   Impacts       Impacts     Concentration    (years)
                         (mg/L)        (mg/L)        (MCL)         (MCL)        (mg/kg)
-----------------------------------------------------------------------------------------------------
TPH-heating_oil        8.978E-02     8.254E-02     0.000E+00     0.000E+00     6.266E+05     5.522E+02
Receptor Location X, Y, Z, (meters): 7.550E+01, 3.000E+02, 0.000E+00
  Contaminant Name      Maximum       Average       Maximum       Average       Limiting      Peak Time
                      Concentration Concentration   Impacts       Impacts     Concentration    (years)
                         (mg/L)        (mg/L)        (MCL)         (MCL)        (mg/kg)
-----------------------------------------------------------------------------------------------------
TPH-heating_oil        3.185E-02     2.936E-02     0.000E+00     0.000E+00     1.762E+06     5.537E+02
Receptor Location X, Y, Z, (meters): 7.550E+01, 4.000E+02, 0.000E+00
  Contaminant Name      Maximum       Average       Maximum       Average       Limiting      Peak Time
                      Concentration Concentration   Impacts       Impacts     Concentration    (years)
                         (mg/L)        (mg/L)        (MCL)         (MCL)        (mg/kg)
-----------------------------------------------------------------------------------------------------
TPH-heating_oil        3.117E-03     2.893E-03     0.000E+00     0.000E+00     1.788E+07*    5.574E+02
```

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Receptor Location X, Y, Z, (meters):  7.550E+01, 6.000E+02, 0.000E+00
  Contaminant Name       Maximum        Average        Maximum        Average       Limiting      Peak Time
                       Concentration  Concentration     Impacts        Impacts     Concentration   (years)
                          (mg/L)         (mg/L)          (MCL)          (MCL)        (mg/kg)
-----------------------------------------------------------------------------------------------------------
TPH-heating_oil         1.214E-06      1.125E-06      0.000E+00      0.000E+00     4.599E+10*     5.675E+02
Receptor Location X, Y, Z, (meters):  7.550E+01, 8.000E+02, 0.000E+00
  Contaminant Name       Maximum        Average        Maximum        Average       Limiting      Peak Time
                       Concentration  Concentration     Impacts        Impacts     Concentration   (years)
                          (mg/L)         (mg/L)          (MCL)          (MCL)        (mg/kg)
-----------------------------------------------------------------------------------------------------------
TPH-heating_oil         2.186E-11      2.049E-11      0.000E+00      0.000E+00     2.524E+15*     5.811E+02
Receptor Location X, Y, Z, (meters):  7.550E+01, 1.000E+03, 0.000E+00
  Contaminant Name       Maximum        Average        Maximum        Average       Limiting      Peak Time
                       Concentration  Concentration     Impacts        Impacts     Concentration   (years)
                          (mg/L)         (mg/L)          (MCL)          (MCL)        (mg/kg)
-----------------------------------------------------------------------------------------------------------
TPH-heating_oil         6.874E-17      5.708E-17      0.000E+00      0.000E+00     9.059E+20*     5.979E+02
Receptor Location X, Y, Z, (meters):  7.550E+01, 1.200E+03, 0.000E+00
  Contaminant Name       Maximum        Average        Maximum        Average       Limiting      Peak Time
                       Concentration  Concentration     Impacts        Impacts     Concentration   (years)
                          (mg/L)         (mg/L)          (MCL)          (MCL)        (mg/kg)
-----------------------------------------------------------------------------------------------------------
TPH-heating_oil         3.282E-23      1.190E-23      0.000E+00      0.000E+00     4.346E+27*     6.542E+02

TIME OF RUN 18:02:18.6
DATE OF RUN 04/22/98
FILE NAME: c:\mydocu~1\WAG4\new\out\oil-747.max
  ***************************************************
  *                                                 *
  *     This output was produced by the model:      *
  *                    GWMENU                       *
  *         Version 1.01: Beta Test Version         *
  * A menu-driven pre-processor for the groundwater *
  * pathway screening model GWSCREEN Version 2.5    *
  *             GWSCREEN Copyright (C) 1992,        *
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  *      GWMENU (C) Copyright 1996, K-Spar Inc.     *
  *                    09-15-97                     *
  *                   K-Spar Inc.                   *
  *         493 N 4154 E Rigby Idaho 83442          *
  *         (208) 745-8068 email asr@srv.net        *
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 ==================================================================

TITLE: CFA-747 (tank), heating oil, max
----------------- MODEL OPTIONS -------------------
Type of Output:        Limiting Conc
Integration Method:    Gaussian Quad
Source Model Type:     Surface/Buried
Dose Criteria:         MCL for Non-radiological Contaminant
--------------- SOURCE PARAMETERS ------------------
X Coordinate (m):   -1.352E+03  Y Coordinate (m):    5.550E+02
Source Length (m):   4.570E+00  Source Width (m):    2.740E+00
Thickness (m):       4.720E+00  Bulk Density (g/cc): 1.500E+00
Percolation (m/y):   1.000E-01  Moisture Content:    3.000E-01
------------ UNSATURATED ZONE PARAMETERS -----------
Unsat Thickness (m): 4.700E+01  Moisture Content:    3.000E-01
Total Porosity:      4.870E-01  Bulk Density:        1.500E+00
---------------- AQUIFER PARAMETERS ----------------
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Solution Type:    2D Averaged
Pore Velocity (m/y):        5.700E+02 Aquifer Porosity:          1.000E-01
Longitudinal Disp (m):      9.000E+00 Transverse Disp (m):       4.000E+00
Vertical Disp (m):         n/a        Well Screen Thickness (m):  1.500E+01
Bulk Density (g/cc):        1.900E+00 Number of Receptors:       10
--------------- EXPOSURE PARAMETERS ---------------
Dose Impacts Base on: MCL (mg/L)
Body Weight (kg):           7.000E+01 Averaging Time (d):        2.556E+04
Water Ingestion Rate (L/d): 2.000E+00 Exposure Frequency (d/y):  3.500E+02
Exposure Duration (y):      3.000E+01
------------------------------------------------- CONTAMINANT PARAMETERS -------------------------------------------------
Contaminant Name          Inventory    Dose      Molar    Half Life  Kd Source  Kd Unsat  Kd Aquifer Additional Solubility
                                      Factor    Weight                                                Loss Rate    Limit
                            (mg)    MCL (mg/L) (g/mole)    (years)    (mL/g)     (mL/g)     (mL/g)     (1/y)     (mg/L)
--------------------------------------------------------------------------------------------------------------------------
TPH-heating_oil           3.750E+09 1.000E+00 1.720E+01 1.000E+06 1.980E+00 1.980E+00 1.980E+00 0.000E+00 1.000E+06
------------------------------------------- RESULTS -------------------------------------------
* = Limiting pore water concentration exceeds solubility
Receptor Location X, Y, Z, (meters): 7.550E+01,-2.000E+02, 0.000E+00
  Contaminant Name      Maximum       Average       Maximum       Average      Limiting      Peak Time
                      Concentration Concentration   Impacts       Impacts    Concentration    (years)
                         (mg/L)        (mg/L)       (MCL)         (MCL)        (mg/kg)
-----------------------------------------------------------------------------------------------------
TPH-heating_oil        2.338E-11     2.213E-11    0.000E+00     0.000E+00    1.911E+15*    1.681E+03
Receptor Location X, Y, Z, (meters): 7.550E+01, 0.000E+00, 0.000E+00
  Contaminant Name      Maximum       Average       Maximum       Average      Limiting      Peak Time
                      Concentration Concentration   Impacts       Impacts    Concentration    (years)
                         (mg/L)        (mg/L)       (MCL)         (MCL)        (mg/kg)
-----------------------------------------------------------------------------------------------------
TPH-heating_oil        3.047E-07     2.938E-07    0.000E+00     0.000E+00    1.440E+11*    1.672E+03
Receptor Location X, Y, Z, (meters): 7.550E+01, 1.000E+02, 0.000E+00
  Contaminant Name      Maximum       Average       Maximum       Average      Limiting      Peak Time
                      Concentration Concentration   Impacts       Impacts    Concentration    (years)
                         (mg/L)        (mg/L)       (MCL)         (MCL)        (mg/kg)
-----------------------------------------------------------------------------------------------------
TPH-heating_oil        1.557E-05     1.487E-05    0.000E+00     0.000E+00    2.845E+09*    1.667E+03
Receptor Location X, Y, Z, (meters): 7.550E+01, 2.000E+02, 0.000E+00
  Contaminant Name      Maximum       Average       Maximum       Average      Limiting      Peak Time
                      Concentration Concentration   Impacts       Impacts    Concentration    (years)
                         (mg/L)        (mg/L)       (MCL)         (MCL)        (mg/kg)
-----------------------------------------------------------------------------------------------------
TPH-heating_oil        4.111E-04     3.990E-04    0.000E+00     0.000E+00    1.060E+08*    1.666E+03
Receptor Location X, Y, Z, (meters): 7.550E+01, 3.000E+02, 0.000E+00
  Contaminant Name      Maximum       Average       Maximum       Average      Limiting      Peak Time
                      Concentration Concentration   Impacts       Impacts    Concentration    (years)
                         (mg/L)        (mg/L)       (MCL)         (MCL)        (mg/kg)
-----------------------------------------------------------------------------------------------------
TPH-heating_oil        5.316E-03     5.118E-03    0.000E+00     0.000E+00    8.264E+06*    1.660E+03
Receptor Location X, Y, Z, (meters): 7.550E+01, 4.000E+02, 0.000E+00
  Contaminant Name      Maximum       Average       Maximum       Average      Limiting      Peak Time
                      Concentration Concentration   Impacts       Impacts    Concentration    (years)
                         (mg/L)        (mg/L)       (MCL)         (MCL)        (mg/kg)
-----------------------------------------------------------------------------------------------------
TPH-heating_oil        3.098E-02     2.984E-02    0.000E+00     0.000E+00    1.417E+06     1.659E+03
Receptor Location X, Y, Z, (meters): 7.550E+01, 6.000E+02, 0.000E+00
  Contaminant Name      Maximum       Average       Maximum       Average      Limiting      Peak Time
                      Concentration Concentration   Impacts       Impacts    Concentration    (years)
                         (mg/L)        (mg/L)       (MCL)         (MCL)        (mg/kg)
-----------------------------------------------------------------------------------------------------
TPH-heating_oil        8.140E-02     7.779E-02    0.000E+00     0.000E+00    5.438E+05     1.656E+03
Receptor Location X, Y, Z, (meters): 7.550E+01, 8.000E+02, 0.000E+00
  Contaminant Name      Maximum       Average       Maximum       Average      Limiting      Peak Time
                      Concentration Concentration   Impacts       Impacts    Concentration    (years)
                         (mg/L)        (mg/L)       (MCL)         (MCL)        (mg/kg)
-----------------------------------------------------------------------------------------------------
TPH-heating_oil        6.576E-03     6.339E-03    0.000E+00     0.000E+00    6.673E+06*    1.660E+03
Receptor Location X, Y, Z, (meters): 7.550E+01, 1.000E+03, 0.000E+00
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Contaminant Name	Maximum Concentration (mg/L)	Average Concentration (mg/L)	Maximum Impacts (MCL)	Average Impacts (MCL)	Limiting Concentration (mg/kg)	Peak Time (years)
TPH-heating_oil	2.228E-05	2.132E-05	0.000E+00	0.000E+00	1.984E+09*	1.667E+03

Receptor Location X, Y, Z, (meters): 7.550E+01, 1.200E+03, 0.000E+00

Contaminant Name	Maximum Concentration (mg/L)	Average Concentration (mg/L)	Maximum Impacts (MCL)	Average Impacts (MCL)	Limiting Concentration (mg/kg)	Peak Time (years)
TPH-heating_oil	5.504E-09	5.316E-09	0.000E+00	0.000E+00	7.958E+12*	1.681E+03