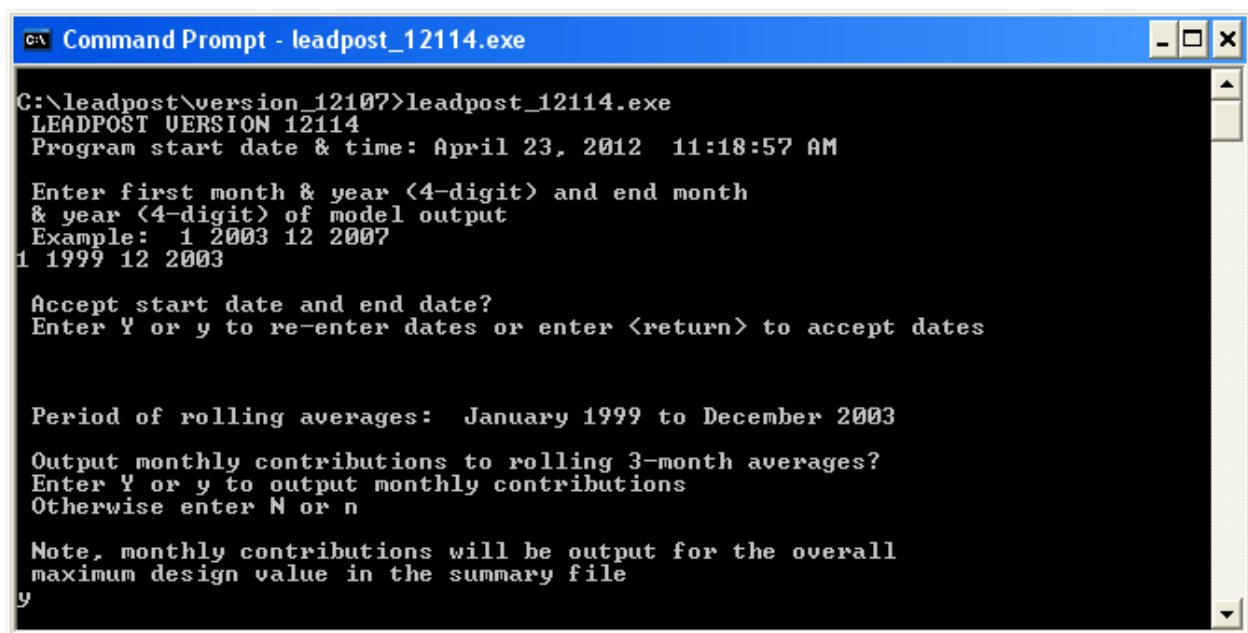


User instructions for LEADPOST (Version 12114) program

Addendum

Beginning with version 12114, LEADPOST allows the option to output the monthly concentrations that constitute the rolling 3-month average concentrations (Figure 1). If the user chooses the option to output the monthly concentrations, the monthly concentrations are added to the summary file of rolling 3-month average concentrations by receptor (Figure 2) and the summary file of maximum 3-month rolling averages by receptor (Figure 3). The monthly concentrations are output for the total source group and the individual source groups and are listed as additional columns with the concentration and dates. Additionally, regardless of whether the user has selected the option to output the monthly contributions to the 3-month averages, the monthly contributions to the overall maximum rolling 3-month average are output to the screen and the output file, lead.out (Figure 4).

In addition to the output of monthly concentrations contributing to the rolling 3-month averages, LEADPOST has been modified to perform more quality assurances on the user inputs such as start and end dates.



```
C:\leadpost\version_12107>leadpost_12114.exe
LEADPOST VERSION 12114
Program start date & time: April 23, 2012 11:18:57 AM

Enter first month & year <4-digit> and end month
& year <4-digit> of model output
Example: 1 2003 12 2007
1 1999 12 2003

Accept start date and end date?
Enter Y or y to re-enter dates or enter <return> to accept dates

Period of rolling averages: January 1999 to December 2003

Output monthly contributions to rolling 3-month averages?
Enter Y or y to output monthly contributions
Otherwise enter N or n

Note, monthly contributions will be output for the overall
maximum design value in the summary file
y
```

Figure 1. Prompt for user to output monthly contributions to rolling 3-month averages.

X-coordinate	Y-coordinate	Receptor elevation	Hill height scale	Flagpole height	Average 3-month rolling conc.	Source group	Month year	Month 1 conc.	Month year	Month 2 conc.	Month year	Month 3 conc.	Month year
34,72964	196,96155	32.20	127.00	0.00	0.341300E+01	STACK1	March 1999	0.413390E+01	January 1999	0.417800E+01	February 1999	0.192800E+01	March 1999
34,72964	196,96155	32.20	127.00	0.00	0.511947E+01	STACK2	March 1999	0.420300E+01	January 1999	0.426700E+01	February 1999	0.285200E+01	March 1999
34,72964	196,96155	32.20	127.00	0.00	0.480447E+01	STACK3	March 1999	0.454700E+01	January 1999	0.463700E+01	February 1999	0.345000E+01	March 1999
34,72964	196,96155	32.20	127.00	0.00	0.230557E+00	STACK4	March 1999	0.247700E+00	January 1999	0.250400E+00	February 1999	0.155400E+00	March 1999
34,72964	196,96155	32.20	127.00	0.00	0.340850E+00	STACK5	March 1999	0.412770E+00	January 1999	0.417250E+00	February 1999	0.192500E+00	March 1999
34,72964	196,96155	32.20	127.00	0.00	0.511277E+00	STACK6	March 1999	0.419160E+00	January 1999	0.423470E+00	February 1999	0.248800E+00	March 1999
34,72964	196,96155	32.20	127.00	0.00	0.480933E+00	STACK7	March 1999	0.425890E+00	January 1999	0.434700E+00	February 1999	0.285100E+00	March 1999
34,72964	196,96155	32.20	127.00	0.00	0.189221E+01	ALL	March 1999	0.229140E+01	January 1999	0.231630E+01	February 1999	0.186800E+01	March 1999
43,41204	244,23193	67.20	127.00	0.00	0.244703E+01	STACK1	March 1999	0.393400E+01	January 1999	0.393900E+01	February 1999	0.192400E+01	March 1999
43,41204	244,23193	67.20	127.00	0.00	0.370347E+01	STACK2	March 1999	0.455790E+01	January 1999	0.455900E+01	February 1999	0.198400E+01	March 1999
43,41204	244,23193	67.20	127.00	0.00	0.493447E+01	STACK3	March 1999	0.497800E+01	January 1999	0.497800E+01	February 1999	0.244800E+01	March 1999
43,41204	244,23193	67.20	127.00	0.00	0.147840E+00	STACK4	March 1999	0.182390E+00	January 1999	0.182500E+00	February 1999	0.794000E+00	March 1999
43,41204	244,23193	67.20	127.00	0.00	0.244373E+00	STACK5	March 1999	0.393410E+00	January 1999	0.393500E+00	February 1999	0.132200E+00	March 1999
43,41204	244,23193	67.20	127.00	0.00	0.3409160E+00	STACK6	March 1999	0.455110E+00	January 1999	0.455270E+00	February 1999	0.198300E+00	March 1999
43,41204	244,23193	67.20	127.00	0.00	0.4495917E+00	STACK7	March 1999	0.497300E+00	January 1999	0.497240E+00	February 1999	0.244400E+00	March 1999

Figure 2. Format of summary file of rolling 3-month average concentrations by receptor with monthly contributions to rolling 3-month averages.

X-coordinate	Y-coordinate	Receptor elevation	Hill height scale	Flagpole height	Average 3-month rolling conc.	Source group	Month year	Month 1 conc.	Month year	Month 2 conc.	Month year	Month 3 conc.	Month year
34,72964	196,96155	32.20	127.00	0.00	0.241865E+01	ALL	August 2000	0.419790E+01	June 2000	0.484800E+01	July 2000	0.381860E+01	August 2000
43,41204	244,23193	67.20	127.00	0.00	0.189163E+01	ALL	August 2000	0.384201E+01	June 2000	0.413370E+01	July 2000	0.288580E+01	August 2000
50,29645	295,44032	71.50	127.00	0.00	0.144484E+01	ALL	August 2000	0.133717E+01	June 2000	0.103482E+01	July 2000	0.970530E+00	August 2000
69,75686	344,68071	94.50	127.00	0.00	0.145847E+01	ALL	August 2000	0.137315E+01	June 2000	0.102793E+01	July 2000	0.974730E+00	August 2000
69,45527	393,92310	103.30	185.80	0.00	0.856943E+00	ALL	August 2000	0.142141E+01	June 2000	0.374890E+00	July 2000	0.374730E+00	August 2000
76,14146	443,16346	105.50	185.50	0.00	0.406447E+00	ALL	August 2000	0.189649E+01	June 2000	0.412803E+00	July 2000	0.404900E+00	August 2000
86,82409	495,43287	107.00	114.70	0.00	0.465997E+00	ALL	August 2000	0.782305E+00	June 2000	0.489710E+00	July 2000	0.457990E+00	August 2000
95,09830	542,64829	109.80	112.80	0.00	0.344147E+00	ALL	August 2000	0.474400E+00	June 2000	0.201840E+00	July 2000	0.244900E+00	August 2000
136,18890	590,88644	104.00	125.90	0.00	0.475241E+00	ALL	August 2000	0.789360E+00	June 2000	0.322300E+00	July 2000	0.311870E+00	August 2000
112,87133	640,12504	102.40	125.30	0.00	0.471823E+00	ALL	August 2000	0.779260E+00	June 2000	0.329950E+00	July 2000	0.304240E+00	August 2000
121,55373	689,36842	101.50	181.50	0.00	0.445173E+00	ALL	August 2000	0.735190E+00	June 2000	0.315790E+00	July 2000	0.284540E+00	August 2000
150,23813	738,40083	102.10	182.10	0.00	0.391160E+00	ALL	August 2000	0.441320E+00	June 2000	0.177710E+00	July 2000	0.193400E+00	August 2000
136,91855	787,84619	101.20	181.20	0.00	0.388875E+00	ALL	August 2000	0.488950E+00	June 2000	0.268300E+00	July 2000	0.234780E+00	August 2000

Figure 3. Format of summary file of maximum 3-month concentration by receptor with monthly contributions to maximum 3-month rolling averages.

```

##### SUMMARY #####
Overall maximum 3-month averaged concentration
With individual source contributions
Month      Year      X      Y      Elev  Hill ht  Flagpole
August     2003      153.20889  128.55753  24.20  127.00   0.00
Group      Concentration
ALL        0.980523E+01
STACK7     0.353372E+01
STACK6     0.264937E+01
STACK5     0.176624E+01
STACK4     0.105999E+01
STACK3     0.353740E+00
STACK2     0.265307E+00
STACK1     0.176867E+00
Monthly average concentrations for maximum 3-month average concentration
ALL        0.729010E+01 June      2003
STACK7     0.262729E+01 June      2003
STACK6     0.196978E+01 June      2003
STACK5     0.131319E+01 June      2003
STACK4     0.788090E+00 June      2003
STACK3     0.263000E+00 June      2003
STACK2     0.197250E+00 June      2003
STACK1     0.131500E+00 June      2003
ALL        0.121056E+02 July      2003
STACK7     0.436274E+01 July      2003
STACK6     0.327092E+01 July      2003
STACK5     0.218061E+01 July      2003
STACK4     0.130867E+01 July      2003
STACK3     0.436730E+00 July      2003
STACK2     0.327550E+00 July      2003
STACK1     0.218360E+00 July      2003
ALL        0.100200E+02 August    2003
STACK7     0.361113E+01 August    2003
STACK6     0.270740E+01 August    2003
STACK5     0.180493E+01 August    2003
STACK4     0.108321E+01 August    2003
STACK3     0.361490E+00 August    2003
STACK2     0.271120E+00 August    2003
STACK1     0.180740E+00 August    2003

```

Figure 4. Lead.out file with overall maximum rolling 3-month average concentration and monthly contributions.