
** AERMOD Input Produced by:

** SCAIL-AGRICULTURE V1.0.0

** 25/05/2012

** AERMOD Control Pathway

CO STARTING

TITLEONE SCAIL-AGRICULTURE TEST CASE

MODELOPT CONC FLAT NOSTD

AVERTIME 1 24 PERIOD

POLLUTID GENERIC

RUNORNOT RUN

CO FINISHED

** AERMOD Source Pathway

SO STARTING

** Source ID - Type - X Coord. - Y Coord. **

LOCATION SSTK01 VOLUME 497054 495008 0.0

LOCATION NSTK01 VOLUME 497054 495008 0.0

LOCATION OSTK01 VOLUME 497054 495008 0.0

** Source Parameters <<<<emission rate (in g/s), height, temp and velocity data from interface>>>> **

** NAME g/s Height Temp Velocity Dia

SRCPARAM SSTK01 1.494e-02 2.055 5.87383119565835 0.955813953488372

SRCPARAM NSTK01 3.219e-01 2.055 5.87383119565835 0.955813953488372

SRCPARAM OSTK01 2.847e-01 2.055 5.87383119565835 0.955813953488372

** Grouping of stacks into sources (group name, stacks in group) based on sources from interface

SRCGROUP SALL SSTK01

SRCGROUP NALL NSTK01

SRCGROUP OALL OSTK01

SRCGROUP SGRP0 SSTK01

SRCGROUP NGRP0 NSTK01

SRCGROUP OGRP0 OSTK01

SO FINISHED

** AERMOD Receptor Pathway

RE STARTING

** Habitat location input from interface

DISCCART 499754 495008
DISCCART 500905 495008
DISCCART 500905 495008
DISCCART 500909 495008
DISCCART 501195 495008
DISCCART 501371 495008
DISCCART 501396 495008
DISCCART 501554 495008
DISCCART 501822 495008
DISCCART 502105 495008
DISCCART 502106 495008
DISCCART 503489 495008
DISCCART 503775 495008
DISCCART 504041 495008
DISCCART 505720 495008
DISCCART 506514 495008
DISCCART 506644 495008
DISCCART 506834 495008
DISCCART 507019 495008

RE FINISHED

** AERMOD Meteorology Pathway

ME STARTING

** Filename for met file (either based on location information or directly input from interface)

SURFFILE CHUR.SFC
PROFFILE CHUR.PFL

** Defaults

SURFDATA 7050 2005
UAIRDATA 0 2005
PROFBASE 0 METERS

ME FINISHED

** AERMOD Output Pathway

OU STARTING

RECTABLE 1 176
RECTABLE 24 36
RECTABLE 24 8

** Output files by source grouping

** PLOTFILE PERIOD ALL testcase_allsources.PLT

PLOTFILE PERIOD SALL res_sall.txt
PLOTFILE PERIOD NALL res_nall.txt
PLOTFILE 1 OALL 176 res_oall.txt
PLOTFILE PERIOD SGRP0 res_sgrp0.txt
PLOTFILE PERIOD NGRP0 res_ngrp0.txt
PLOTFILE 1 OGRP0 176 res_ogrp0.txt
OU FINISHED

**NOTES

**PROJNOTES

**REGION England

**RADIUS 10

**RUNMODE Conservative

**DWDIR Average

**ALTEREDREF

**METNAME CHUR

**LOCATION 1,1,Castlebeck & Scar Woods,495092.6_496864.6,Habitat,2927,2701,SSSI,HAB
**LOCATION 2,2,North York Moors,494659.3_498024.1,Habitat,UK0030228,3851,SAC,HAB
**LOCATION 3,3,North York Moors,494662.3_498026.7,Habitat,4003,3851,SSSI,HAB
**LOCATION 4,4,North York Moors,494663.9_498032.7,Habitat,UK9006161,3855,SPA,HAB
**LOCATION 5,5,Harwood Dale Moor,496111.4_499040.3,Habitat,2890,4141,SSSI,HAB
**LOCATION 6,6,Hayburn Wyke,500840.3_497082.5,Habitat,3165,4317,SSSI,HAB
**LOCATION 7,7,Hackness Rock Pit,496525.4_490697.6,Habitat,3285,4343,SSSI,HAB
**LOCATION 8,8,Hackness Head Quarry,496408.6_490554.4,Habitat,3158,4500,SSSI,HAB
**LOCATION 9,9,Iron Scar & Hundale Point To Scalby
Ness,501601_496445.3,Habitat,3168,4769,SSSI,HAB
**LOCATION 10,10,Beast Cliff - Whitby (Robin Hood`s
Bay),500431.1_498764.1,Habitat,UK0030086,5051,SAC,HAB
**LOCATION 11,11,Robin Hoods Bay: Maw Wyke To Beast
Cliff,500357.6_498830.5,Habitat,3814,5052,SSSI,HAB
**LOCATION 12,12,Cockrah Wood,496635.3_488586.6,Habitat,3146,6435,SSSI,HAB
**LOCATION 13,13,Biller Howe Dale,492590.7_500033.8,Habitat,3310,6722,SSSI,HAB
**LOCATION 14,14,Raincliffe & Forge Valley
Woods,499559.1_488485.5,Habitat,3175,6987,SSSI,HAB
**LOCATION 15,15,Spikers Hill Quarry,498076_486402.4,Habitat,2935,8666,SSSI,HAB
**LOCATION 16,16,North Bay To South Toll House
Cliff,504614.7_489321.3,Habitat,3193,9461,SSSI,HAB
**LOCATION 17,17,Troutsdale & Rosekirk Dale
Fens,490467.4_488037.7,Habitat,3200,9590,SSSI,HAB
**LOCATION 18,18,Betton Farm Quarries,500173.5_485737.8,Habitat,3134,9781,SSSI,HAB
**LOCATION 19,19,Bride Stones,487698.5_491574.5,Habitat,3140,9966,SSSI,HAB
**SOURCE 1,PROPOSED CALVING YARD,497054_495008,OGRP0,SGRP0,NGRP0
**STACK 1,1,PROPOSED CALVING YARD,cattle,New,PROPOSED CALVING
YARD,497054_495008,Housing,4.11,Select,,,Dairy cows,Straw-bedded farmyard manure loose
housing,30,637.94,471,,10151,,8978310150,,,true,,365