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\*\* AERMOD Input Produced by:

\*\* SCAIL-AGRICULTURE V1.0.0

\*\* 25/05/2012

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\*\* AERMOD Control Pathway

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CO STARTING

TITLEONE SCAIL-AGRICULTURE TEST CASE

MODELOPT CONC FLAT NOSTD

AVERTIME 1 24 PERIOD

POLLUTID GENERIC

RUNORNOT RUN

CO FINISHED

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\*\* AERMOD Source Pathway

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SO STARTING

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

LOCATION SSTK01 VOLUME 451471 479680 0.0

LOCATION NSTK01 VOLUME 451471 479680 0.0

LOCATION OSTK01 VOLUME 451471 479680 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 1.265e-02 3.66 5.20847169457467 1.70232558139535

SRCPARAM NSTK01 1.032e-01 3.66 5.20847169457467 1.70232558139535

SRCPARAM OSTK01 5.460e-01 3.66 5.20847169457467 1.70232558139535

\*\* 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

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\*\* AERMOD Receptor Pathway

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RE STARTING

\*\* Habitat location input from interface

DISCCART 452531 479680

RE FINISHED

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\*\* AERMOD Meteorology Pathway

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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

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\*\* AERMOD Output Pathway

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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 planning application NYM/2020/0293/fl\* CHURCH FARM , KILBURN  
NORTH YORKSHIRE  
\*\*REGION England  
\*\*RADIUS 2  
\*\*RUNMODE Conservative  
\*\*DWDIR Average  
\*\*ALTEREDREF  
\*\*METNAME CHUR  
\*\*LOCATION 1,1,Snape Hill  
Quarry,450883.3\_478796.8,Habitat,3192,1061,SSSI,HAB  
\*\*SOURCE 1,CHURCH FARM,451471\_479680,OGRP0,SGRP0,NGRP0  
\*\*STACK 1,1,CATTLE STORE,cattle,New,CATTLE  
STORE,451471\_479680,Housing,7.32M,Select,,,Beef cattle (>1 year),Straw-  
bedded farmyard manure loose  
housing,100,501.6,399,,3255,,17218929000,,,true,,210