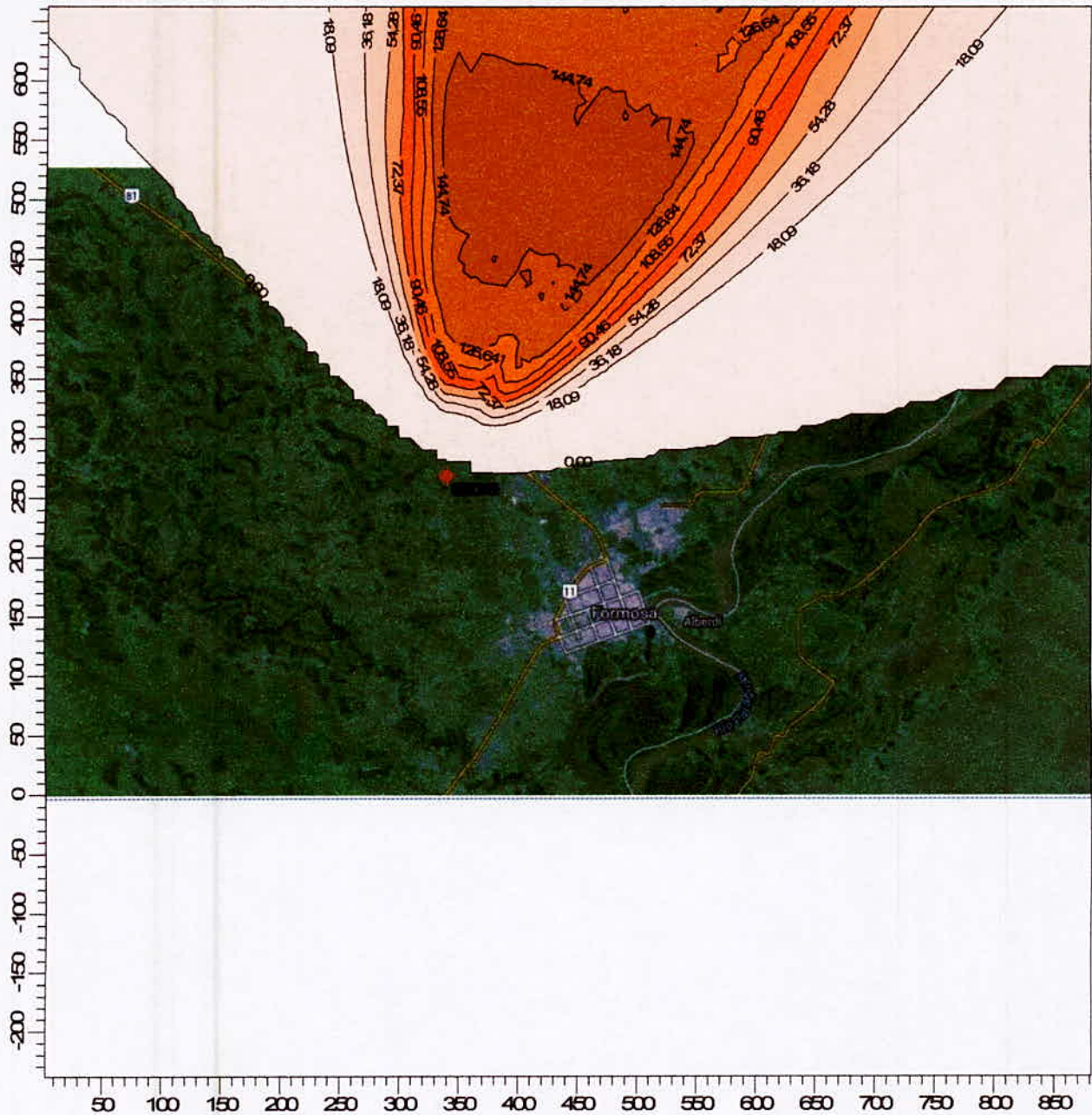


PROJECT TITLE:

NOx



PLOT FILE OF HIGH-1ST HIGH 1-HR VALUES FOR SOURCE GROUP: ALL

ug/m³



COMMENTS:

SOURCES:

6

COMPANY NAME:

RECEPTORS:

10000

MODELER:

OUTPUT TYPE:

Concentration

SCALE:

1:5.510

0

0,2 km

MAX:

162,82755 ug/m³

DATE:

15/05/2014

PROJECT NO.:

Dispersion Options

Titles C:\Documents and Settings\XPMUser\Escritorio\Dioxit\Dioxit.isc	
Dispersion Options ☒ Regulatory Default ☐ Non-Default Options	Dispersion Coefficient Rural
	Output Type ☒ Concentration ☐ Total Deposition (Dry & Wet) ☐ Dry Deposition ☐ Wet Deposition
	Plume Depletion ☐ Dry Removal ☐ Wet Removal

Pollutant / Averaging Time / Terrain Options

Pollutant Type OTHER - NH3	Exponential Decay Option not available
Averaging Time Options Hours ☒ 1 ☐ 2 ☐ 3 ☐ 4 ☐ 6 ☐ 8 ☐ 12 ☐ 24 ☐ Month ☒ Period ☐ Annual	Terrain Height Options ☒ Flat ☐ Elevated
Flagpole Receptors ☐ Yes ☒ No Default Height = 0.00 m	Terrain Calculation Algorithms Simple Terrain Only

Source Pathway - Source Inputs

ISCST3

Point Sources

Source Type	Source ID	X Coordinate [m]	Y Coordinate [m]	Base Elevation (Optional)	Release Height [m]	Emission Rate [g/s]	Gas Exit Temp. [K]	Gas Exit Velocity [m/s]	Stack Inside Diameter [m]
POINT	STCK1	341.60	267.24	0.00	14.00	0.00504	296.23	9.86	0.20
		Planta Disolucion N°1							
	STCK2	340.80	267.24	0.00	14.00	0.05697	298.19	7.45	0.22
		Planta Disolucion N°2							
	STCK3	338.19	267.24	0.00	14.00	0.00168	295.51	10.50	0.20
		Torre absorcion							
	STCK4	341.60	269.45	0.00	14.00	0.00267	304.19	12.25	0.20
		Planta Nitrito							
	STCK5	340.80	269.45	0.00	14.00	0.14700	459.02	2.33	0.20
		Calderas							
	STCK6	338.19	269.45	0.00	14.00	1.32180	303.94	4.95	1.97
		Serv. Generales							

Volume Sources

No Volume Sources Specified

Area Sources

No Area Sources Specified

Open Pit Sources

No Open Pit Sources Specified

Circular Area Sources

No Circular Area Sources Specified

Polygon Area Sources

No Polygon Area Sources Specified

Source Pathway - Source Inputs

ISCST3

Flare Sources

No Flare Sources Specified

Line Sources

No Line Sources Specified

Building Downwash Information

Option not in use

Emission Rate Units for Output

For Concentration

Unit Factor:	1E6
Emission Unit Label:	GRAMS/SEC
Concentration Unit Label:	MICROGRAMS/M**3

Data for Particulates

Option not in use

Variable Emission Rate

Seasonally Emission Rate Variation

Option not in use

Monthly Emission Rate Variation

Option not in use

Hourly Emission Rate Variation

Option not in use

Wind Speed / Stability Category Emission Rate Variation

Option not in use

Season / Hour-of-Day Emission Rate Variation

Option not in use

Season / Hour-of-Day / Day-of-Week Emission Rate Variation

Option not in use

Receptor Networks

Note: Terrain Elevations and Flagpole Heights for Network Grids are in Page RE2 - 1 (If applicable)
Generated Discrete Receptors for Multi-Tier (Risk) Grid and Receptor Locations for Fenceline Grid are in Page RE3 - 1 (If applicable)

Uniform Cartesian Grid

Receptor Network ID	Grid Origin X Coordinate [m]	Grid Origin Y Coordinate [m]	No. of X-Axis Receptors	No. of Y-Axis Receptors	Spacing for X-Axis [m]	Spacing for Y-Axis [m]
UCART1	0.00	0.00	100	100	10.00	10.00

Non-Uniform Cartesian Grid

Option not in use

Uniform Polar Grid

Option not in use

Non-Uniform Polar Grid

Option not in use

Discrete Receptors

Discrete Cartesian Receptors

Option not in use

Discrete Polar Receptors

Option not in use

Plant Boundary Receptors

Cartesian Plant Boundary

Primary

Option not in use

Intermediate

Option not in use

Polar Plant Boundary

Option not in use

Receptor Groups

No Receptor Groups Specified

Met Input Data

Meteorological Input Data File and Format

Filename: clima.prn
Format Type: Default ASCII Format

Anemometer Height

Height = 15,00 [m]

Optional Wind Direction

Rotation [deg]:

Surface Meteorological Station

Station No.: 12 Location [m] (Optional):
X Coord.:
Year: 2012 Y Coord.:
Station Name:

Upper Air Meteorological Station

Station No.: 12 Location [m] (Optional):
X Coord.:
Year: 2012 Y Coord.:
Station Name:

Data Period

Read All Met. File?

☒ Yes

☐ No

Wind Speed Categories

Stability Category	Wind Speed [m/s]	Stability Category	Wind Speed [m/s]
A	1.54	D	8.23
B	3.09	E	10.8
C	5.14	F	No Upper Bound

Tabular Printed Outputs

Short Term Averaging Period	RECTABLE Highest Values Table										MAXTABLE Maximum Values Table	DAYTABLE Daily Values Table
	1st	2nd	3rd	4th	5th	6th	7th	8th	9th	10th		
ALL												No
1												No

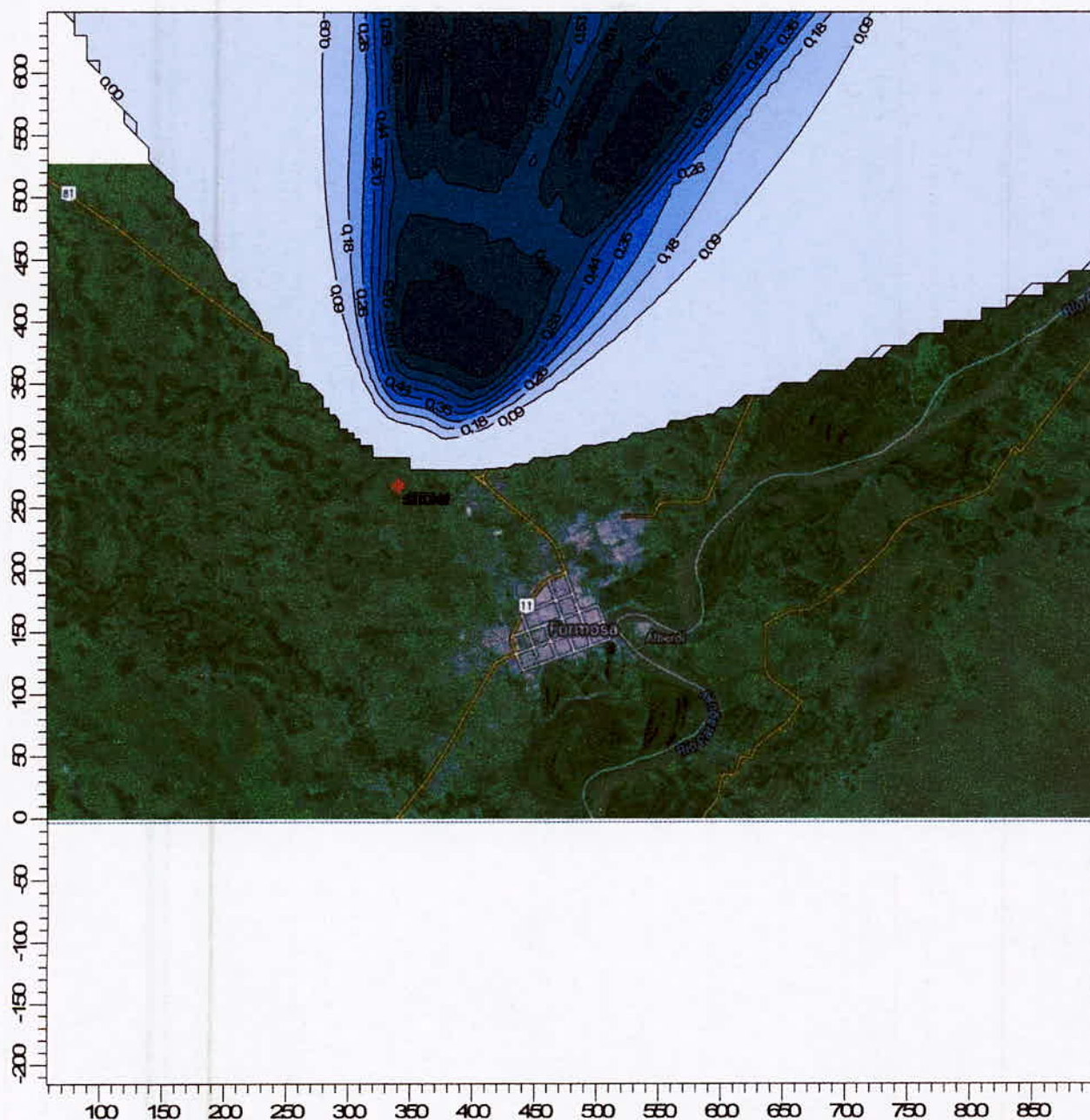
Contour Plot Files (PLOTFILE)

Path for PLOTFILES: NOXX3.IS

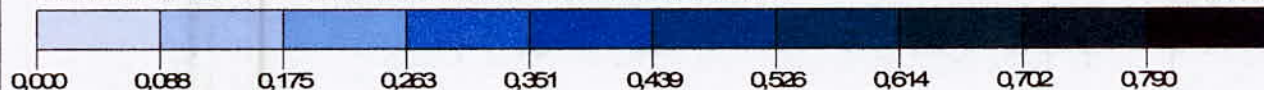
Averaging Period	Source Group ID	High Value	File Name
1	ALL	1st	01H1GALL.PLT
Period	ALL	N/A	PE00GALL.PLT

PROJECT TITLE:

NH3 - Simulado



PLOT FILE OF HIGH 1ST HIGH 1 HR VALUES FOR SOURCE GROUP. ALL

ug/m³

COMMENTS:

SOURCES:

4

COMPANY NAME:

RECEPTORS:

10000

MODELER:

OUTPUT TYPE:

Concentration

SCALE:

1:5.288

0

0,2 km

MAX:

0,78955 ug/m³

DATE:

15/05/2014

PROJECT NO.:

Dispersion Options

Titles C:\Documents and Settings\XPMUser\Escritorio\Dioxit\Dioxit.isc	
Dispersion Options ☒ Regulatory Default ☐ Non-Default Options	Dispersion Coefficient Rural
	Output Type ☒ Concentration ☐ Total Deposition (Dry & Wet) ☐ Dry Deposition ☐ Wet Deposition
	Plume Depletion ☐ Dry Removal ☐ Wet Removal

Pollutant / Averaging Time / Terrain Options

Pollutant Type OTHER - NH3	Exponential Decay Option not available
Averaging Time Options Hours ☒ 1 ☐ 2 ☐ 3 ☐ 4 ☐ 6 ☐ 8 ☐ 12 ☐ 24 ☐ Month ☐ Period ☐ Annual	Terrain Height Options ☒ Flat ☐ Elevated
Flagpole Receptors ☐ Yes ☒ No Default Height = 0.00 m	Terrain Calculation Algorithms Simple Terrain Only

Source Pathway - Source Inputs

ISCST3

Point Sources

Source Type	Source ID	X Coordinate [m]	Y Coordinate [m]	Base Elevation (Optional)	Release Height [m]	Emission Rate [g/s]	Gas Exit Temp. [K]	Gas Exit Velocity [m/s]	Stack Inside Diameter [m]
POINT	STCK1	341.60	267.24	0,00	14,00	0,00189	296,23	9,86	0,20
		Planta Disolucion N°1							
	STCK2	340.80	267.24	0,00	14,00	0,00003	298,19	7,45	0,22
		Planta Disolucion N°2							
	STCK3	338.19	267.24	0,00	14,00	0,00052	295,51	10,50	0,20
		Torre absorcion							
	STCK4	341.60	269.45	0,00	14,00	3.00E-6	304,19	12,25	0,20
		Planta Nittrato							

Volume Sources

No Volume Sources Specified

Area Sources

No Area Sources Specified

Open Pit Sources

No Open Pit Sources Specified

Circular Area Sources

No Circular Area Sources Specified

Polygon Area Sources

No Polygon Area Sources Specified

Flare Sources

No Flare Sources Specified

Source Pathway - Source Inputs

ISCST3

Line Sources

No Line Sources Specified

Building Downwash Information

Option not in use

Emission Rate Units for Output

For Concentration

Unit Factor:	1E6
Emission Unit Label:	GRAMS/SEC
Concentration Unit Label:	MICROGRAMS/M**3

Data for Particulates

Option not in use

Variable Emission Rate

Seasonally Emission Rate Variation

Option not in use

Monthly Emission Rate Variation

Option not in use

Hourly Emission Rate Variation

Option not in use

Wind Speed / Stability Category Emission Rate Variation

Option not in use

Season / Hour-of-Day Emission Rate Variation

Option not in use

Season / Hour-of-Day / Day-of-Week Emission Rate Variation

Option not in use

Meteorology Pathway

ISC

Met Input Data

Meteorological Input Data File and Format

Filename: clima.prn

Format Type: Default ASCII Format

Anemometer Height

Height = 15,00 [m]

Optional Wind Direction

Rotation [deg]:

Surface Meteorological Station

Location [m] (Optional):

Station No.: 12

X Coord.:

Year: 2012

Y Coord.:

Station Name:

Upper Air Meteorological Station

Location [m] (Optional):

Station No.: 12

X Coord.:

Year: 2012

Y Coord.:

Station Name:

Data Period

Read All Met. File?



Yes



No

Wind Speed Categories

Stability Category	Wind Speed [m/s]	Stability Category	Wind Speed [m/s]
A	1.54	D	8.23
B	3.09	E	10.8
C	5.14	F	No Upper Bound

Output Pathway

ISC

Tabular Printed Outputs

Short Term Averaging Period	RECTABLE Highest Values Table										MAXTABLE Maximum Values Table	DAYTABLE Daily Values Table
	1st	2nd	3rd	4th	5th	6th	7th	8th	9th	10th		
ALL												No
1												No

Output Pathway

ISC

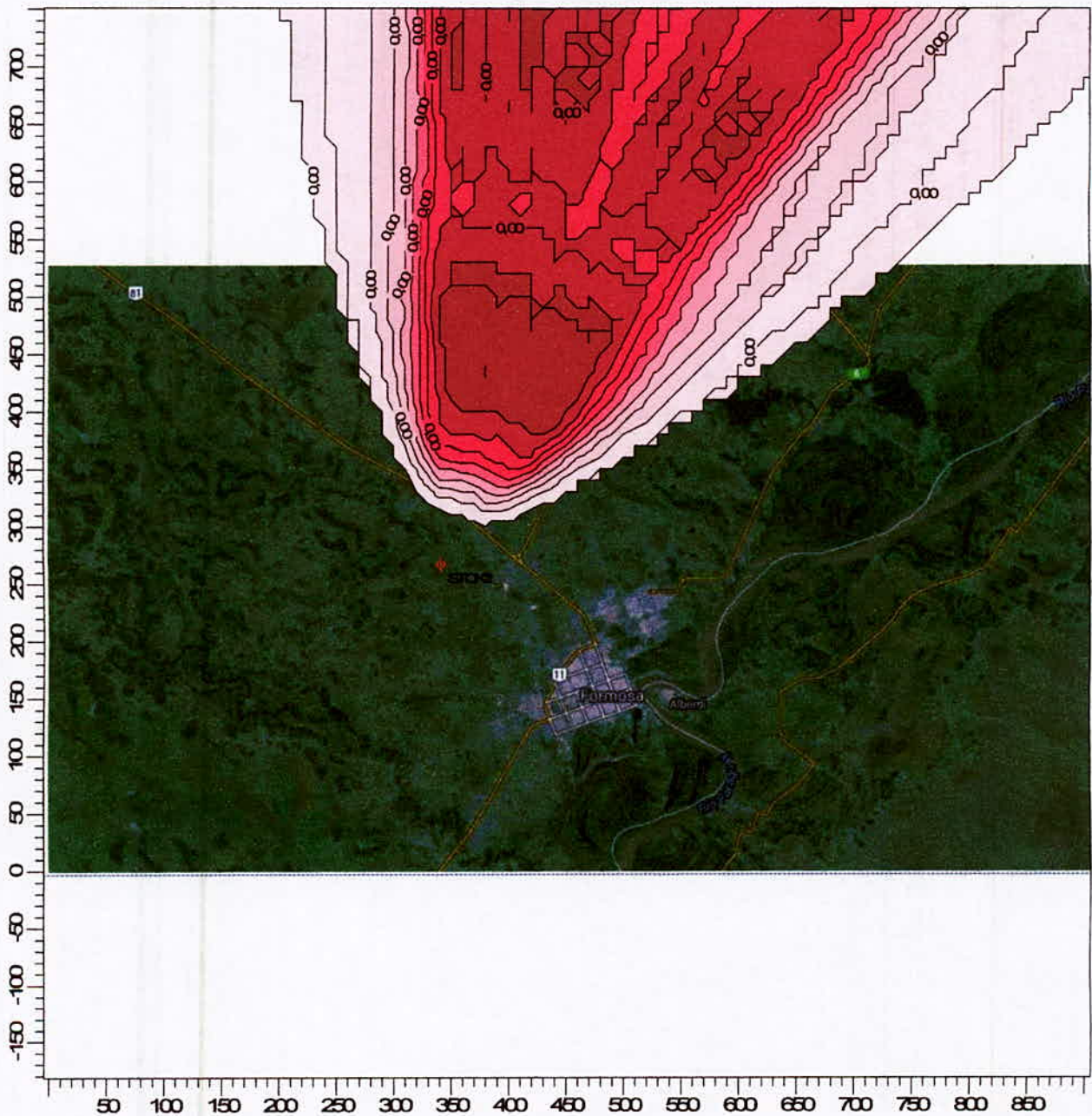
Contour Plot Files (PLOTFILE)

Path for PLOTFILES: NH3.IS

Averaging Period	Source Group ID	High Value	File Name
1	ALL	1st	01H1GALL.PLT
Period	ALL	N/A	PE00GALL.PLT

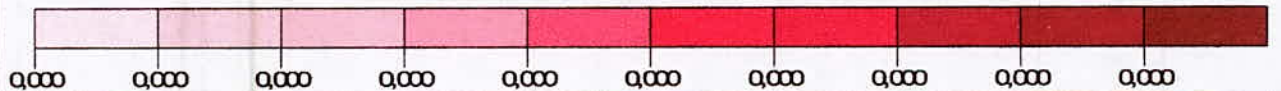
PROJECT TITLE:

VOC



PLOT FILE OF HIGH 1ST HIGH 1-HR VALUES FOR SOURCE GROUP ALL

ug/m³



COMMENTS:

SOURCES:

2

COMPANY NAME:

RECEPTORS:

10000

MODELER:

OUTPUT TYPE:

Concentration

SCALE:

1:5.705

0 0.2 km

MAX:

0,00019 ug/m³

DATE:

15/05/2014

PROJECT NO.:

Dispersion Options

Titles C:\Documents and Settings\XPMUser\Escritorio\Dioxit\NOx\voc1.isc	
Dispersion Options ☒ Regulatory Default ☐ Non-Default Options	Dispersion Coefficient Rural
	Output Type ☒ Concentration ☐ Total Deposition (Dry & Wet) ☐ Dry Deposition ☐ Wet Deposition
	Plume Depletion ☐ Dry Removal ☐ Wet Removal

Pollutant / Averaging Time / Terrain Options

Pollutant Type OTHER - VOC	Exponential Decay Option not available
Averaging Time Options Hours ☒ 1 ☐ 2 ☐ 3 ☐ 4 ☐ 6 ☐ 8 ☐ 12 ☐ 24 ☐ Month ☒ Period ☐ Annual	Terrain Height Options ☒ Flat ☐ Elevated
Flagpole Receptors ☐ Yes ☒ No Default Height = 0.00 m	Terrain Calculation Algorithms Simple Terrain Only

Source Pathway - Source Inputs

ISCST3

Point Sources

Source Type	Source ID	X Coordinate [m]	Y Coordinate [m]	Base Elevation (Optional)	Release Height [m]	Emission Rate [g/s]	Gas Exit Temp. [K]	Gas Exit Velocity [m/s]	Stack Inside Diameter [m]
POINT	STCK1	341.60	267.24	0,00	14,00	6.00E-8	302,98	16,35	0,20
		Planta Purificacion N°1							
	STCK2	340.80	267.24	0,00	14,00	9.00E-7	300,92	19,47	0,21
		Planta Purificacion N°2							

Volume Sources

No Volume Sources Specified

Area Sources

No Area Sources Specified

Open Pit Sources

No Open Pit Sources Specified

Circular Area Sources

No Circular Area Sources Specified

Polygon Area Sources

No Polygon Area Sources Specified

Flare Sources

No Flare Sources Specified

Line Sources

No Line Sources Specified

Building Downwash Information

Option not in use

Emission Rate Units for Output

For Concentration

Unit Factor:	1E6
Emission Unit Label:	GRAMS/SEC
Concentration Unit Label:	MICROGRAMS/M**3

Data for Particulates

Option not in use

Variable Emission Rate

Seasonally Emission Rate Variation

Option not in use

Monthly Emission Rate Variation

Option not in use

Hourly Emission Rate Variation

Option not in use

Wind Speed / Stability Category Emission Rate Variation

Option not in use

Season / Hour-of-Day Emission Rate Variation

Option not in use

Season / Hour-of-Day / Day-of-Week Emission Rate Variation

Option not in use

Receptor Networks

Note: Terrain Elevations and Flagpole Heights for Network Grids are in Page RE2 - 1 (If applicable)
Generated Discrete Receptors for Multi-Tier (Risk) Grid and Receptor Locations for Fenceline Grid are in Page RE3 - 1 (If applicable)

Uniform Cartesian Grid

Receptor Network ID	Grid Origin X Coordinate [m]	Grid Origin Y Coordinate [m]	No. of X-Axis Receptors	No. of Y-Axis Receptors	Spacing for X-Axis [m]	Spacing for Y-Axis [m]
UCART1	0.00	0.00	100	100	10.00	10.00

Non-Uniform Cartesian Grid

Option not in use

Uniform Polar Grid

Option not in use

Non-Uniform Polar Grid

Option not in use

Discrete Receptors

Discrete Cartesian Receptors

Option not in use

Discrete Polar Receptors

Option not in use

Plant Boundary Receptors

Cartesian Plant Boundary

Primary

Option not in use

Intermediate

Option not in use

Polar Plant Boundary

Option not in use

Receptor Groups

No Receptor Groups Specified

Meteorology Pathway

ISC

Met Input Data

Meteorological Input Data File and Format

Filename: C:\Documents and Settings\XPMUser\Escritorio\Dioxit\clima.prn

Format Type: Default ASCII Format

Anemometer Height

Height = 15,00 [m]

Optional Wind Direction

Rotation [deg]:

Surface Meteorological Station

Station No.: 12

Location [m] (Optional):

X Coord.:

Year: 2012

Y Coord.:

Station Name:

Upper Air Meteorological Station

Station No.: 12

Location [m] (Optional):

X Coord.:

Year: 2012

Y Coord.:

Station Name:

Data Period

Read All Met. File?



Yes



No

Wind Speed Categories

Stability Category	Wind Speed [m/s]	Stability Category	Wind Speed [m/s]
A	1.54	D	8.23
B	3.09	E	10.8
C	5.14	F	No Upper Bound

Tabular Printed Outputs

Short Term Averaging Period	RECTABLE Highest Values Table										MAXTABLE Maximum Values Table	DAYTABLE Daily Values Table
	1st	2nd	3rd	4th	5th	6th	7th	8th	9th	10th		
ALL												No
1												No

Contour Plot Files (PLOTFILE)

Path for PLOTFILES: VOCX3.IS

Averaging Period	Source Group ID	High Value	File Name
1	ALL	1st	01H1GALL.PLT
Period	ALL	N/A	PE00GALL.PLT