EMISSIONS DATA FROM TWO HIGH-RISE LAYER HOUSES IN INDIANA

Final Report for Site IN2H

of the

National Air Emissions Monitoring Study

Submitted to

John Thorne, Executive Director
Agricultural Air Research Council
C/O Crowell and Moring, LLP
1001 Pennsylvania Avenue, NW
Washington, DC 20004

and

Bill Schrock, Environmental Engineer
U.S. EPA Office of Air Quality Planning and Standards
Mail Code E143-03, 4930 Page Road
Durham, NC 27703

by

Albert J. Heber, Professor and NAEMS Science Advisor
Agricultural and Biological Engineering, Purdue University
225 S. University St., West Lafayette, IN 47907
Phone: 765-494-1214 Email: heber@purdue.edu

July 30, 2010

Contributors

Ji-Qin Ni, Claude A. Diehl, Bill W. Bogan, Lide Chen, Kaiying Wang
Agricultural and Biological Engineering
Purdue University
225 S University St.
West Lafayette, IN 47907

Albert J. Heber, Erin L. Cortus, Lilong Chai, Juan Carlos Ramirez, Changhe Xiao, Ilker Kilic
Agricultural and Biological Engineering
Purdue University
225 S. University St.
West Lafayette, IN 47907

Teng Teeh Lim
Agricultural Systems Management
University of Missouri
220 Agricultural Engineering Building
Columbia, MO 65211

Acknowledgments

This project was supported by the American Egg Board and
the Agricultural Air Research Council.

Citation

Ji-Qin Ni, Claude A. Diehl, Teng Teeh Lim, Bill W. Bogan, Lide Chen, Lilong Chai, and Albert J. Heber. 2010. National Air Emissions Monitoring Study: Emissions Data from Two High-Rise Layer Houses in Indiana - Site IN2H. Final Report. Purdue University, West Lafayette, IN, July 30.

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1. INTRODUCTION AND OBJECTIVES

1.1. Overview of NAEMS

The primary goals of the National Air Emissions Monitoring Study (NAEMS) were to: 1) quantify aerial pollutant emissions from dairy, pork, egg, and broiler production facilities, 2) provide reliable data for developing and validating emissions models for livestock and poultry production and for comparison with government regulatory thresholds, and 3) promote a national consensus on methods and procedures for measuring emissions from livestock operations. Emissions measurements were conducted at a total of 15 different barn monitoring sites and ten open source sites in the continental U.S.

The NAEMS was managed by Purdue University, in its role as Independent Research Contractor (IRC) to the Agricultural Air Research Council (AARC). Purdue selected equipment and methods in consultation with the U.S. EPA, and subcontracted with other universities to operate the monitoring sites. Purdue University also monitored one dairy, one swine, and two layer sites, maintained and calibrated equipment, collected samples, and conducted all other on-site activities. Purdue University data analysts provided rapid feedback (generally within 2-4 business days) to catch aberrations in the data, and later conducted final processing of the data. Purdue conducted reviews of the analyzed data.

The overall objective of this report is to present the quality-assured measurements of ammonia (NH_3), hydrogen sulfide (H_2S), particulate matter (PM), and volatile organic compounds (VOCs) from two high-rise layer houses at an Indiana egg facility. The specific objectives of the report are to:

1. Describe the farm, and the monitored buildings,
2. Describe the monitoring methods and quality assurance, and
3. Present tabulated daily averages of emissions.

2. CONFINED ANIMAL FEEDING OPERATION

2.1. Farm

This Indiana egg production facility consisted of two high-rise caged-layer houses, seven manure belt caged-layer houses, two cage-free laying houses, and one free-standing manure shed (Figure 1). The farm was located in an agricultural area with small pockets of trees. There were no identifiable off-farm livestock or poultry farms, other than fields that periodically received manure, within 1.6 km of the farm site.

The capacity of the complex was 2.9 million birds. Older houses were constructed in 1980 and remodeled in 2005. The high-rise houses were constructed in 1997, and the manure belt houses were constructed in 2004. All of the houses were oriented east-west and were spaced 17-18 m apart.

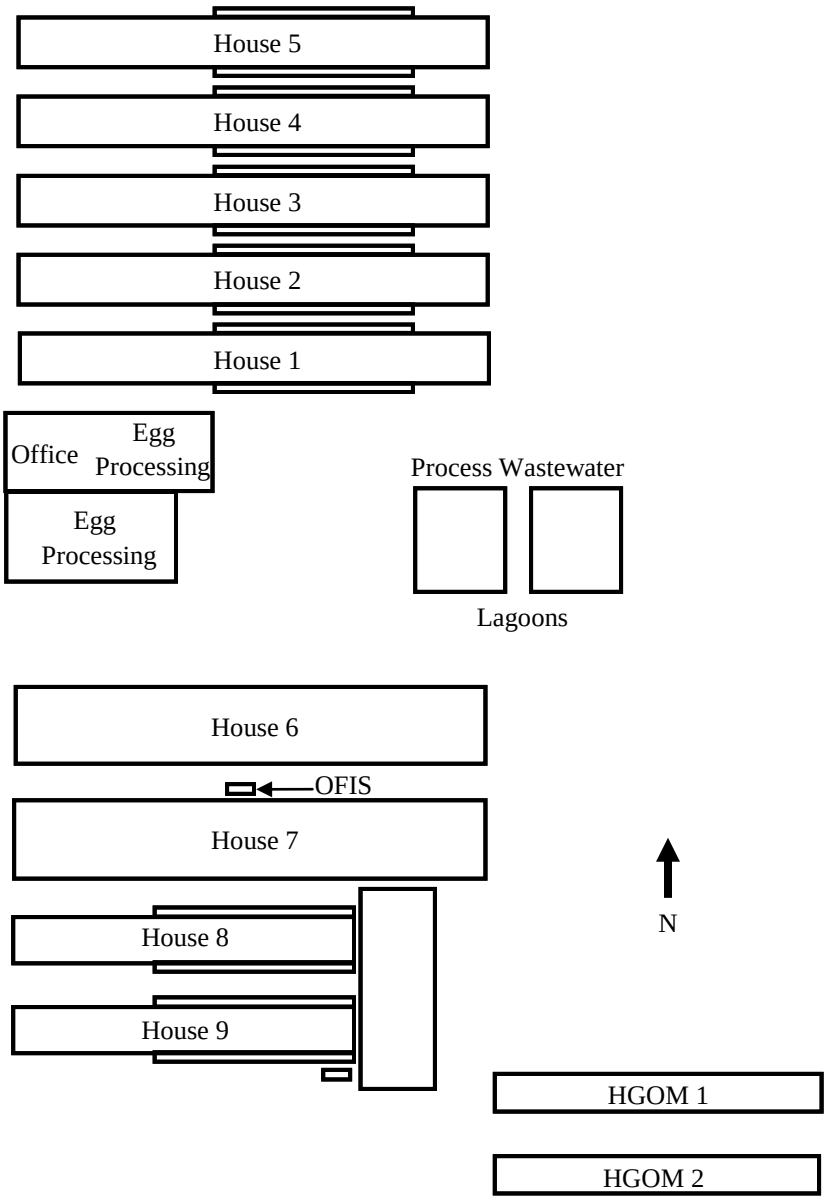

Figure 1. Facility layout. Houses 6 and 7 were monitored at IN2H site.

2.2. Monitored Houses

Emission monitoring was conducted at houses 6 and 7 as site IN2H. Emission monitoring was also conducted at houses 8 and 9 and results are provided in a companion report. Houses 6 and 7 were 198 m long and 30.5 m wide, and had a capacities of 250,000 hens. Each house was 198 m long and 30.5 m wide. The sidewall height of 5 m included a cage level of 2.6 m and a manure pit depth of 2.4 m. The characteristics of houses 6 and 7 were listed in Table 1.

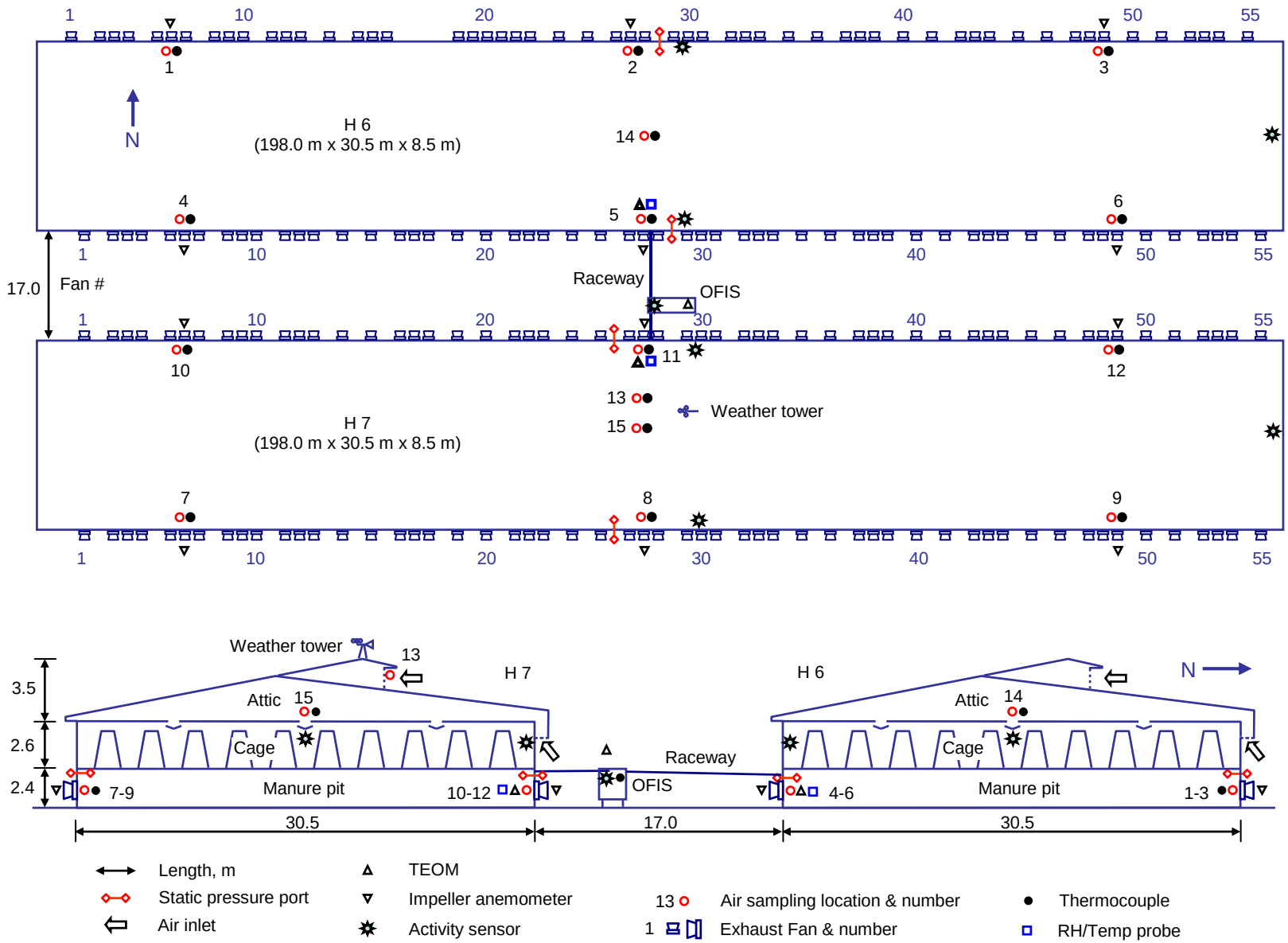

Figure 2. Floor plan (top) and east-side view (bottom) of the houses with approximate measurement and sampling locations.

Table 1. Characteristics of houses 6 and 7 at the IN2H site.

Descriptive Parameters	Each house
Year of construction	1997
House capacity and type	250,000 birds, high-rise
Bird space	0.04 m^2/bird
House orientation	E-W
Genetics of birds and average weight	W36, 1.5 kg
Bird occupation, d	700
Molt of the hens	Yes
Number of tiers and rows of cages	5 tiers 10 rows
Type of cages	Big Dutchman 520 N
House length x width, m	198 x 30.5
Ridge height, m	8.5
Sidewall and manure pit height, m	5 and 2.4
House spacing, m	17
Manure accumulation in pit, d	365
Manure collection method	Skid loader
Ventilation type	Mechanical
Number of pit circulation fans	50
Inlet number and type	3 V-shaped baffles
Inlet control basis/adjustment method	Temperature/cable
Control system vendor/manufacturer	Fancom
Walls with fans	North and south side walls
Number of single-speed and variable-speed fans	100 and 10
Fan manufacturer and fan diameter, m	Aerotech 1.2 m
Fan spacing	Varies
# ventilation stages	Variable-speed fan + 12 stages
# temperature sensors	12
Emergency ventilation	Gen Set

Birds were raised in ten rows of A-frame cages five tiers high in the cage level (upper floor) in low-density conditions, and were molted according to industry standards. Eggs were removed on conveyors into the egg processing plant. The cage lights were shut off for 8 h each night. Houses 6 and 7 were powered by grid power. A standby generator was used during power outages.

Houses 6 and 7 had four wells to provide water. The water from the four wells was mixed together to form a single source to the houses. Water consumption was recorded automatically each day and was provided by the producer each week. Feed was added four times daily at fixed schedule. Different cage tiers had slightly different feeding times (Table 2). Feed consumption was visually checked each week.

Ventilation air entered the second floor from the attic through three temperature-adjusted V-shaped baffled ceiling air inlets in three zones of control. There were 55, 1.2-m diameter belted exhaust fans (Aerotech Advantage 48″) fans distributed along the west sidewall and 55 on the east sidewall. Five of the fans were variable-frequency drive (VFD) variable-speed fans and 50

were single-speed fans on each sidewall. Each house had12 temperature sensors and was ventilated in 12 stages (Table 3). The VFD fans in each house were controlled via a 0 to 5 VDC signal controller and all operated at the same speed at all times. Purge fans (stage 9) operated for 1 min every 9 min. They were controlled the same way all year round. Fifty circulation fans in the manure pit assisted in drying the manure.

Manure dropped off slanted boards behind the cages directly into the first floor, where it was stored for up to one year or more.

Table 2. Feeder operation schedule in Houses 6 and 7.

Operations	Tiers 1 & 2	Tiers 3 & 4	Tier 5
1	4:00 – 4:30	4:32 – 5:02	5:07 – 5:37
2	8:00 – 8:20	8:22 – 8:42	8:47 – 9:07
3	12:00 – 12:23	12:25 – 12:48	12:53 – 13:16
4	17:30 – 18:00	18:02 – 18:32	18:37 – 19:07

Table 3. Fan numbers and ventilation stages for high-rise houses 6 and 7. All 10 stage-V fans were variable-speed fans controlled by single variable-frequency drives.

Stage	Accumulated quantity	ID of additional fans	
		North sidewall	South sidewall
V	10	6, 16, 27, 37, 49	6, 16, 27, 37, 49
1	10+6=16	1, 28, 54	1, 28, 54
2	16+6=22	11, 26, 45	11, 26, 45
3	22+6=28	5, 29, 50	5, 29, 50
4	28+7=35	3, 19, 35, 52	3, 23, 39
5	35+5=40	23, 39	19, 35, 52
6	40+6=46	8, 30, 48	8, 30, 48
7	46+6=52	13, 33, 42	13, 21, 42
8	52+6=58	10, 32, 46	10, 24, 46
9	58+12=70	14, 15, 20, 21, 34, 51	4, 15, 20, 33, 38, 47
10	70+12=82	7, 17, 31, 36, 40, 44	2, 7, 22, 25, 40, 44
11	82+12=94	4, 9, 22, 24, 47, 53	9, 17, 31, 36, 51, 55
12	94+16=110	2, 12, 18, 25, 38, 41, 43, 55	12, 14, 18, 32, 34, 41, 43, 53

2.3. Significant Events and Modifications

There were no significant weather events that affected emissions or the monitoring effort. The site management remained the same, and no changes to the facility were made during the study.

House 7 and house 6 started to replace the birds from June 13, 2007 and from March 31, 2009, respectively. The birds in house 6 began their molt in the week of April 26, 2008.

In June and July 2007, both houses started to remove manure from the pit. The removal lasted for approximately 1 month.

In August 2007 and from June to August 2008, the OFIS experienced excessively high temperatures due to insufficient cooling and HVAC failures.

There was water leakage observed in house 7 in July 2007 near fan N20, February 2008 at the cages between fan S11 and fan S12, and at fan N50, and in April 2009 in the south side of the house. Water leakage caused localized high ammonia concentrations.

Failures of major pollutant concentration measurement instruments occurred during the monitoring. They included the Innova problems in February 2008, from June to July 2008, and in March and May 2009, multiple failures of the TEI 45C H_2S analyzer, and damage of TEOM cable by mice in June 2007. A list of more detailed events in provided in Appendix D.

3. MONITORING AND SAMPLING METHODS

3.1. General Approach

The site setup and equipment installation followed an approved site monitoring plan, a quality assurance project plan, and instrument or method-specific standard operating procedures.

Target pollutants for this site were NH_3, H_2S, PM (PM_{10}, TSP, and $PM_{2.5}$), and VOC. Appendix A lists the target pollutants, and all measured supporting variables and metadata monitored at the site. The monitoring schemes for the two houses are shown in Figure 2. Table 4 lists the major air pollutant and their sampling locations.

The monitoring at IN2H started from the beginning of 2007 as a study site for the USDA research project (Grant IND046066G). Ammonia concentrations were measured with a chemiluminescence ammonia analyzer (Model TEI 17C, Thermo Electron Co., Franklin, MA) and a photoacoustic infrared refrigerant detector (Model IR, Mine Safety Appliances Company, Pittsburgh, PA) (Appendix A). In May, 2007, IN2H was converted to a NAEMS layer monitoring site by adding new instruments compatible with the NAEMS. An Innova 1412 multi-gas monitor (LumaSense Technologies A/S, Ballerup, Denmark) for NH_3, carbon dioxide, methane, ethanol and total non-methane, non-ethanol VOC measurements was introduced at the site on 5/9/07. The vibration sensors to monitor fan operations were updated to new versions by 5/10/07. Monitoring with NAEMS instrumentation started from 5/12/07 after initial measurement system tests. Valid data collection began from 6/1/07 and finished on 5/31/09.

3.2. Instrument Shelter

The on-farm instrument shelter (OFIS) was delivered to the site on 12/4/06 and set up between houses 6 and 7. All raceways, sampling lines, conductor cables, thermocouples, static pressure lines and sensors were installed between 12/4/06 and 1/4/07.

The IN2H trailer was a 1995 model, with less insulation than the other NAEMS trailers. The HVAC system was unable to control the OFIS temperature and daily mean inside temperatures were often above 40ºC on hot days. Trailer temperature control was restored in early June 2007 by insulating the floor of trailer with 5 cm of foam plastic insulation (R value =10), covering the

top of the roof with 0.17 cm reflective foam insulation, and restoring operation of the second window AC unit. The AC maintenance became an important task during the site engineer's summer visits as dust build-up on the air conditioner filters occasionally caused environmental control problems.

The OFIS was supplied with 120 VAC (100 A) electric power by the farm. The electrical lines for the OFIS ran from the control room of house 7 (at the west end of the house), along the outside of the N sidewall, and cross the 2.7 m of open ground between house 7 and the OFIS to reach the external pullout switch at the OFIS.

Table 4. Pollutant sampling locations for the IN2H site.

Pollutant*	Sampling location	Locations, n
Gases	Houses 6 and 7 fan N6	2
Gases	Houses 6 and 7 fan N27	2
Gases	Houses 6 and 7 fan N49	2
Gases	Houses 6 and 7 fan S6	2
Gases	Houses 6 and 7 fan S27	2
Gases	Houses 6 and 7 fan S49	2
Gases	Houses 6 and 7 ceiling air inlet in the attic	2
Gases	House 7 air inlet outside the attic curtain	1
PM	House 6 fan S27 and house 7 fan N27	2
PM	Inlet: 1.8 m above roof of OFIS between H6 and H7	1
VOC	House 6 fan S27 and house 7 fan N 27	

*Gases included NH_3, H_2S, and CO_2. PM included $PM_{2.5}$, PM_{10}, and TSP.
OFIS: On farm instrument shelter

3.3. Data Acquisition and Control System

The data acquisition and control system consisted of a personal computer, custom software (AirDAC) written in a commercial programming language (LabVIEW, National Instruments, Austin, TX), distributed I/O hardware (National Instruments FieldPoint modules), and Universal Serial Bus (USB) devices by National Instrument (NI) and Measurement Computing (MC, Norton, MA). The NI FieldPoint (FP) modules and MC USB devices (Table 5) were selected and configured to acquire data for all the on-line measurement variables (Appendix A).

Table 5. Data acquisition hardware configuration for IN2H.

Manufacturer and model	I/O type	# units	# channels	Notes
NI FP-AI-110	Analog input	1	8	Single-ended, 16-bit
NI FP-AI-112	Analog input	4	16	Single-ended, 16-bit
NI FP-TC-120	Thermocouple	3	8	
NI FP-DO-401	Digital output	2	16	2 A at 10-30 VDC
MC USB DIO 96H	Digital input	1	96	

The 16-channel NI FP-DO-401 digital output module was used to control: 1) sequential switching of multiple gas sampling lines, 2) the raceway heating system, and 3) the gas sampling

system cooling fan. Serial communication (RS232) was used to acquire data from the multi-gas monitor and calibration variables (calibration time, gas concentration, etc.) from the gas dilutor. Voltage or current analog signals from various analyzers and sensors were connected to FP-AI-112 modules. Type T thermocouples were connected to FP-TC-120 modules. Digital signals from fan stage relays were connected to the MC USB DIO96H device. Voltage pulses from proximity sensors used to measure fan rotational speed were detected by the MC USB 4303 counters.

AirDAC averaged the signals (after conversion to engineering units) over 15-s and 60-s intervals and recorded the means into two separate computer files. All real-time data were displayed in tabular and graphic forms for on-site or remote (pcAnywhere, Symantec, Mountain View, CA) viewing (Ni et al., 2009; Ni and Heber, 2010). Measurement alarms, data collection notifications, data files, graphs and statistics of the daily data sets, and modified configuration and fieldnote files were automatically emailed to several recipients after midnight.

3.4. Monitoring and Recording Farm and Building Operations

3.4.1. Animal Husbandry and Building Systems

Infrared motion sensors (activity sensors) were installed to monitor movement of birds and workers. Three activity sensors were installed in each house at cage level on north and south side walls to monitor bird activities and on the east end wall to monitor worker's activities. Another activity sensor was used to monitor researcher presence in the OFIS (Figure 2).

Data on egg production and water consumption were recorded automatically each day. The feed consumption was visually checked each week. The producer weighed 100 birds from the same identified cages in each house once weekly for an overall average house weight.

3.4.2. Thermal Environmental

Weather data were collected using a solar radiation shielded capacitance-type relative humidity and temperature probe (RH/T) (Model RHT-WM, Novus Automation, Porto Alegre, Brazil), a pyranometer (Model LI-200SL, LI-COR, Lincoln, NE) and a cup anemometer (Wind Sentry, RM Young, Traverse City, MI), which were mounted on a 1-m aluminum tower located on the ridge of house 7.

For the room environment conditions, capacitance-type relative humidity and temperature (RH/T) probes were located at fan south 27 in house 6 and north 27 in house 7. Thermocouples (TCs, Type T) were used to measure temperatures at each air sampling location that did not have an RH/T sensor. The TCs were positioned about 5 cm next to the air sampling probe inlets.

Thermocouples were also located in the heated raceways between the two houses and the OFIS. Two TCs were located in the OFIS to measure the temperature of the OFIS and the temperature-controlled TEOM tubing bundle. One TC monitored the temperature conditions in the inlet PM monitor enclosure.

3.4.3. Building Airflow

The farm used a Fancom system for fan operation control. The system recorded fan control log files to the computer so they could be used directly for quality control checks. The VFD control signals for houses 6 and 7 were monitored continuously and recorded in the on-site computer system. Additionally, 12 impeller anemometers (Model 27106RS, RM Young, Traverse City, MI) were installed downwind of fans 6, 27, and 49 in each side wall of the two houses to measure air velocity at the fan exhausts.

Voltage signals that controlled the staged single-speed fans in the two houses were recorded via 24 relays in the on-site computer. Vibration sensors developed by Ohio State University were installed on 48 fans to obtain on/off signals of individual fan operation against the fan stage signals.

Differential static pressures across the side walls were measured with differential static pressure sensors (Model 260, Setra Systems, Boxborough, MA). Static pressure was also measured inside the OFIS, to ensure that it was maintaining positive pressure.

The fan tester (Gates et al., 2004) was used to test fans in the houses. When any fan was inaccessible to the fan tester, the traversing method was used to test these fans. A total of 520 and 21 tests were conducted using the fan tester and the traverse method, respectively (Table 6). The test data were used to develop equations to calculate airflow as a function of differential pressure and fan rotational speed, and to assess the uncertainty in airflow predictions.

Table 6. Number of valid fan tests at IN2H.

Test time	House	Fan tester, n	Traverse, n
Aug. 2007	6 and 7	119	
Aug. to Sep. 2008	6	78	7
Oct. to Nov. 2008	7	57	
March to July 2009	6 and 7	266	14
Total		520	21

House ventilation rates were calculated by using the fan operation status, house differential pressures, and fan curves that describe the relationship between fan airflow rates and differential static pressures. The fan reference curves (Aerotech Model AT481Z1CP) were obtained from the Bioenvironmental and Structural Systems (BESS) Lab Project No. 06260 at the University of Illinois at Urbana-Champaign (BESS, 2006). The field fan curves were obtained during in-situ tests using the fan tester and traverse measurements, and the impeller anemometer signals.

Each performance record consisted of airflow (Q1) measured at several static pressures (P1), and at a relatively constant speeds (N1). For each fan type, the BESS fan curve was adjusted to the mean speed (N2) of the fan tests. The new, speed-indexed baseline curves were derived using the first ($Q_2 = Q_1(N_2/N_1)$) and second ($\Delta P_2 = \Delta P_1(N_2/N_1)^{0.5}$) fan laws, where Q_2 is the speed-adjusted BESS fan curve at speed N_2. The speed-corrected airflow prediction model is $Q_4 = (a\Delta P_4 + b)\cdot(N_4/N_2)\cdot Q_2$, where ΔP_4 and N_4 are measured fan static pressure and speed. For a given test using the portable fan tester or traverse method, the model is $Q_4 = (a\cdot\Delta P_3 + b)\cdot(N_3/N_2)\cdot Q_2$, where ΔP_3 and N_3 are the measured fan static pressure and speed during the fan test, and the fan

degradation factor $k = a \cdot \Delta P_3 + b$. The values for the coefficients a and b were those which minimized the sum of square differences between Q_4 and Q_3 for all the valid fan tests within a speed regime. The resulting fan models are shown in Table 7.

Table 7. Models and performance degradation factors for IN2H fans.

Fan type	Fan ventilation rate as the function of ΔP_s	Degradation factor
Single-speed fans	$Q = 2.17062E\text{-}05x^3 + 6.56962E\text{-}04x^2 + 6.46716E\text{-}02x + 1.05565E+01$	0.0021x+0.7594
Variable-speed fans	Q=13.3031x+1.2709	0.0021x+0.7594

Note: in the table, Q is the fan ventilation rate, and x is the ΔP_s across the wall that the specific fan was installed on.

3.4.4. Biomaterials Sampling Methods and Schedule

All analyses of biomaterials were performed by an independent laboratory (Midwest Laboratories, Omaha, NE).

Manure in the houses was sampled eight times from 3/7/08 to 8/14/09 for house pit manure (Table E1) and two times for load-out manure (Table E2). The in-house manure sampling was approximately every three months. The load-out manure was only sampled when the manure was loaded out. Each house had one manure load-out during the two year monitoring period.

The surface manure sampling in houses consisted of 21 samples from each house. The sample collected at the specified section of a windrow was a composite of eight sub-samples, which were collected into a bucket and mixed thoroughly before sealed into a labeled zip lock bag. The weight of each zip-bagged sample was 0.5 kg.

The load-out manure samples were taken at the load-out manure trucks. In each of the two load-out events, 80 manure samples, each consisting of three sub-samples, were taken from different truck loads. The sub-samples were thoroughly mixed in a bucket and a sample about 0.5 kg was picked and sealed in a zip lock bag.

The in-house pit manure samples were analyzed to determine pH, solids content, and ammoniacal N. Load-out samples were analyzed for solid and TKN. Ash content was determined for the house 7 load-out manure samples on 7/30/09.

A total of 56 feed samples were taken on 14 sampling events to analyze the solid and TKN contents (Table E3). Each feed sample consisted of 0.5 kg of feed.

A total of 57 egg samples, each consisting of 2 to 3 eggs, were taken during the same events to analyze the same contents as the feed samples (Table E4). Approximately four egg samples were taken at the cages at different locations in each house.

Water was evaluated based on analyses of eight samples of water provided to the birds (Table E5), taken on 10/29/08 (2 samples), 9/6/09 (2 samples), and 1/22/10 (4 samples). One water

sample was taken at the cage level from the bird drinking water source into a sample bottle each year in each barn. Each sample contained of 0.5 kg water.

3.5. Particulate Matter Monitoring

Real-time PM monitors (TEOM Model 1400a, Thermo Fisher Scientific, Waltham, MA) continuously sampled exhaust PM. A TEOM was placed at the inlet of south fan 27 in house 6 and another TEOM was placed at the inlet of north fan 27 in house 7. For ambient PM concentration, a third TEOM was installed at the top of the OFIS (Figure 2). At any one time, the sampled PM size class was either PM_{10}, $PM_{2.5}$ or TSP at all three TEOMs (Tables 8-10).

Table 8. Sampling periods for PM size fractions (PM_{10}, $PM_{2.5}$, TSP) in H6.

PM_{10}		$PM_{2.5}$		TSP	
Monitoring period	**Days**	**Monitoring period**	**Days**	**Monitoring period**	**Days**
05/09/07 - 07/03/07	54	07/03/07 - 07/12/07	9	01/31/08 - 02/08/08	8
07/12/07 - 09/13/07	61	09/13/07 - 09/19/07	6	04/04/08 - 04/11/08	7
09/19/07 - 11/08/07	49	11/08/07 - 11/20/07	12	06/19/08 - 06/27/08	8
11/20/07 - 01/01/08	41	04/11/08 - 04/18/08	7	12/12/08 - 12/18/08	6
01/01/08 - 01/31/08	30	02/13/09 - 04/09/09	56	02/06/09 - 02/13/09	7
02/08/08 - 04/04/08	56	06/12/09 - 06/26/09	14	04/09/09 - 04/16/09	7
04/18/08 - 06/19/08	61			06/04/09 - 06/12/09	8
06/27/08 - 12/12/08	165				
12/18/08 - 01/01/09	13				
01/01/09 - 02/06/09	35				
04/16/09 - 06/04/09	48				
06/26/09 - 07/30/09	34				
Total	647	Total	104	Total	51

Table 9. Sampling periods for PM size fractions (PM_{10}, $PM_{2.5}$, TSP) in H7.

PM10		PM2.5		TSP	
Monitoring period	**Days**	**Monitoring period**	**Days**	**Monitoring period**	**Days**
05/09/07 - 07/12/07	63	07/12/07 - 07/18/07	6	01/31/08 - 02/08/08	8
07/18/07 - 09/13/07	55	09/13/07 - 09/19/07	6	04/04/08 - 04/11/08	7
09/19/07 - 11/08/07	49	11/08/07 - 11/20/07	12	12/12/08 - 12/18/08	6
11/20/07 - 01/01/08	41	04/11/08 - 04/18/08	7	02/06/09 - 02/13/09	7
01/01/08 - 04/04/08	93	02/13/09 - 04/09/09	56	04/09/09 - 04/16/09	7
04/18/08 - 12/12/08	234	06/12/09 - 06/26/09	14	06/04/09 - 06/12/09	8
12/18/08 - 01/01/09	13				
01/01/09 - 02/06/09	35				
04/16/09 - 06/04/09	48				
06/26/09 - 07/30/09	34				
Total	665	Total	101	Total	43

Table 10. Sampling periods for PM size fractions (PM_{10}, $PM_{2.5}$, TSP) at ambient.

PM_{10}		$PM_{2.5}$		TSP	
Monitoring period	**Days**	**Monitoring period**	**Days**	**Monitoring period**	**Days**
05/09/07 - 07/18/07	69	07/18/07 - 07/27/07	9	01/30/08 - 02/08/08	8
07/27/07 - 09/13/07	46	09/13/07 - 09/19/07	6	04/04/08 - 04/11/08	7
09/19/07 - 11/08/07	49	11/08/07 - 11/20/07	12	06/19/08 - 06/27/08	8
11/20/07 - 01/01/08	41	04/11/08 - 04/18/08	7	12/12/08 - 12/18/08	6
01/01/08 - 01/30/08	29	02/13/09 - 04/09/09	56	02/06/09 - 02/13/09	7
02/08/08 - 04/04/08	56	06/12/09 - 06/26/09	14	04/09/09 - 04/16/09	7
04/18/08 - 06/19/08	61			06/04/09 - 06/12/09	8
06/27/08 - 12/12/08	165				
12/18/08 - 01/01/09	13				
01/01/09 - 02/06/09	35				
04/16/09 - 06/04/09	48				
06/26/09 - 07/30/09	34				
Total	646	Total	104	Total	51

3.6. Continuous Gas Sampling and Monitoring

Air samples for continuous gas measurements were collected from multiple gas sampling probes with a custom-designed gas sampling system (GSS). Each probe was connected to the GSS with Teflon tubing. The sampling lines in the raceways between the OFIS and the houses were heated and wrapped with insulation to prevent condensation inside the tubes.

For each house, six gas sampling probes were placed about 1 m before the fan blades of six of the ten VFD fans in each house (fans N6 and S6 near the W end of the house, N27 and S27 in the center of the house, and N49 and S49 near the E end of the house). When all fans were operating in hot weather, these gas sampling location concentrations represented 17 (N6 and S6), 20 (N27 and S27) and 18 (N49 and S49) fans, respectively. Two probes were also placed at the air inlets in the attics, one in each house. Another probe was placed in front of the curtain air inlet in house 7 (Figure 2).

Each fan exhaust location was sampled individually for 10 min. The house inlet location was monitored at least twice daily, with a 20 or 30-min sampling period.

One set of gas analyzers in the OFIS was used to sequence through all the samplings. Hydrogen sulfide was measured with an old (manufactured in 1996) fluorescence H_2S analyzer (Model 45C, Thermo Fisher Scientific, Waltham, MA). Concentrations of NH_3 and carbon dioxide (CO_2) were measured with a photoacoustic infrared multi-gas monitor (INNOVA Model 1412, LumaSense Technologies, Ballerup, Denmark).

The INNOVA was also configured to measure methane, ethanol and total non-methane VOC (obtained by subtracting methane from total hydrocarbons). The INNOVA analyzed methane, ethanol and total non-methane VOC concentrations were questionable, however, due to

irreconcilable interferences by water vapor and other gases. Therefore, these gas emissions measured by the INNOVA are not included in this report.

3.7. VOC Sampling

A total of 33 grab samples of VOC were collected in the two houses and at background ambient conditions using methodology based on methods TO-15 and TO-17 (Table 11). Sampling was conducted with 6-L stainless-steel canisters (TO-Can, Restek Corp, Bellefonte, PA), equipped with ¼″ bellows valves (Swagelok SS4H) and 207-kPa vacuum gauges. Sampling trains contained flow controllers (Veriflo Model 423XL, Parker-Hannifin Corp., Richmond, CA) with 2- to 4-sccm critical orifices and 7-µm in-line stainless steel filters. Flow controllers were pre-set to a constant flow rate of 3.4 mL/min. Canister sampling was conducted for 24 h, and canister pressures were recorded at the beginning and end of the sampling periods for the calculation of total sample volumes. Sampling was conducted seven times between 1/9/09 and 6/24/09, typically with duplicate samples collected at each location (Table 11). All canisters were cleaned and passed QC before sample collection. Most of the samples resulted in valid data (Section 4.6).

Table 11. VOC sampling dates and sample number.

Sampling date	Location	Number of samples
1/9/09 to 1/10/09	H6SF27	2
	H7NF27	2
	Ambient	3
3/12/09 to 3/14/09	H6SF27	2
	H7NF27	2
4/30/09 to 5/1/09	H6SF27	2
	H7NF27	2
5/9/09 to 5/10/09	H6SF27	2
	H7NF27	2
5/13/09 to 5/14/09	H7F42	1
	H6SF27	2
	H7NF27	2
5/27/09 to 5/28/09	H6SF27	2
	H7NF27	2
6/23/09 to 6/24/09	H6SF27	2
	H7NF27	3

Canister samples were analyzed at Purdue University's Trace Contaminant Laboratory. The canisters were pressurized to +207 kPa with ultrapure N2, and transferred to TDS tubes (Carbotrap 300, Supelco, Bellefonte, PA). The pressurized canisters initially yielded sample flows of 50 mL min^{-1} during sample transfer to tubes. Canister heating was introduced when a canister pressure decreased to 13.8 kPa to ensure maximal transfer of nonvolatile components.

The TDS tubes were analyzed on a thermodesorption-gas chromatograph-mass spectrometer (TDS-GC-MS), consisting of a gas chromatograph (Model 6890, Agilent Technologies, Palo Alto, CA) coupled with a Model 5795 mass spectrometer detector (Agilent Model 5795) and

equipped with a thermal desorption system (Model TDS-G, Gerstel, Baltimore, MD) and a cooled injection system (Gerstel CIS). The GC-MS passed a leak check prior to analyzing each set of samples. Compounds were separated on a 60 m x 0.25 mm x 1 µm column. The detector utilized the full scan mode covering masses from 27-270 Daltons in 8 scans/s. The MS quad hold temperature was 150ºC, and the MS source hold temperature was 230ºC. The analytical results were analyzed by ChemStation, and all integrations were manually checked. This method used an external standard compound for instrument monitoring and QA to avoid losses of low-molecular-weight analytes that would occur when purging solvent used with internal standard(s). All TDS tubes were cleaned with a tube conditioning system (Gerstel TC-2 TDS) for 3.5 h at 350ºC prior to each use.

Response curves were generated at both the beginning and the end of the VOC analysis period. The response curves of all chemical standards reached good linearity as 55% of the response curves had $R^2 > 99\%$ and over 98% had $R^2 > 95\%$. Toluene was used as an external standard that was analyzed during each batch of samples to assure quality. The relative bias and standard deviation of 97 toluene checks were -4.3% and 18.8%, respectively. The uncertainty of the mean of duplicate field samples was calculated as 27%, based on the toluene checks.

3.8. Documentation of Quality Assurance

3.8.1. Oversight, Maintenance, and Calibration

Purdue University visited the site frequently during the first few months of the study. That frequency declined as site operation became more routine but stayed at least once per week. Remote access to the site computer was used to check the site almost daily during the monitoring period. Data files and correspondence were emailed from the site computer to the site PI and engineer, and to the Purdue database on a daily basis.

The Environmental Protection Agency (EPA) conducted site audits on 9/26/07 and 9/2/09. The NAEMS Science Advisor audited the site on 1/16/08.

Various site maintenance and calibration activities were conducted by site personnel (Appendix B). Specific quality assurance tests of the GSS, gas analyzers and other sensors are discussed below.

3.8.2. Gas Sampling System

Four types of GSS leak tests were conducted. The first test examined GSS integrity by manually or automatically switching the GSS control to a special configuration in AirDAC, which briefly created a “dead head” against the pump by closing all solenoid valves. The GSS manifold vacuum pressure was measurement with the built-in GSS pressure transmitter. Tests indicated that the solenoids and vacuum pump was leak-proof if the vacuum pressure reached -75,000 Pa.

The second test consisted of monitoring GSS flow and pressure after manually setting AirDAC to sample from a particular GSL and plugging the GSL’s gas sampling probe, which created a GSS manifold vacuum of about -70,000 Pa or 0.31 atm. The exhaust airflow from the GSS was measured with a rotameter. Preliminary tests demonstrated that if the GSS flows under this

condition were 10% or less (<0.45 L/min) of the normal GSS flow rate of 4.5 L/min, the system was leak-free under normal GSS manifold vacuums of -5,500 to -9,500 Pa.

The third test was to compare the airflow balance at the sampling probe air inlet and the GSS sampling air exhaust using two calibrated rotameters. This test required two researchers to conduct and use Walkie-Talkie to communicate during the test. Individual sampling lines were tested one by one and compared for sampling conditions. The test was conducted on 8/9/07, 2/8/08, and 10/7/08.

The fourth test was based on zero air balance during gas analyzer zero/span checks. Tests indicated that when CO_2 concentration readings from the Innova were less than 80 ppm during zero air tests, the system could be considered leak-free.

Data was only invalidated when leaks occurred away from the sampling location. If gas sampling probe filter maintenance eliminated a leak, no data was invalidated since leakage air would be the same as sampled air.

3.8.3. Gas Analyzers

Gas measurements were evaluated using multipoint calibrations and zero and span checks. The gas concentration data output by the analyzers was adjusted to correct for bias introduced by the gas sampling and measurement system.

3.8.3.1. Correction of Ammonia Concentrations

A multipoint calibration (MPC) was conducted through the challenge line (house 7 north fan 27) nine times using purified air (Cat. # AIO.OCE-T, CEM zero-grade, Praxair, Indianapolis, IN) and three (typical) span concentrations of NH_3 (Cat. # NI-AM5MP-AS, Praxair Primary Standard). Each MPC was conducted with replication. The NH_3 was delivered using a 6-port gas dilutor (Model 4040, Environics, Tolland, CT). The R^2 values of each MPC exceeded 0.99, indicating linearity of instrument response to standard gas between 0 and 220 ppm (Table 12).

Table 12. Multipoint calibration record and results for the NH_3 measurements.

Date	Span point	Span concentration, ppm		R^2
		Minimum	Maximum	
05/24/07	5	23	92	0.998
08/01/07	6	21	124	0.999
09/13/07	7	25	147	0.999
11/09/07	4	43	130	0.999
09/18/08	6	40	120	0.999
10/15/08	4	100	220	0.999
01/30/09	5	80	220	0.999
7/7/09	4	40	120	0.999
09/11/09	4	40	120	0.999

Precision checks were conducted every week using zero and span gases (Z/S checks), also delivered via the dilutor through the challenge line. The responses were recorded to monitor changes in system performance over time.

The average response of the analyzer to the zero and span gas applications was assessed, and the results were combined based on changes to the instrument or GSS to create linear correction models (Table 13). The models were used to correct instrument readout data. The measurement accuracy was assessed based on model-corrected zero **a**nd span checks (Table 13).

Table 13. Concentration correction and measurement accuracy for ammonia IN2H.

Start time	End time	Check number		Linear model	Accuracy, % of span			
					Bias		Precision	
		Zero	Span		Z	S	Z	S
05/09/07 0:00	5/24/07 9:09	3	3	y=1.1287x-1.011	0.1	0.0	0.9	1.0
05/24/07 9:09	08/01/07 2:29	14	10	y=1.1521x-1.399	0.0	0.0	0.5	3.3
08/01/07 2:29	09/10/07 2:34	6	6	y=1.1614x-1.803	-0.1	-0.7	0.3	2.1
09/10/07 2:34	11/09/07 3:43	6	10	y=1.1155x-1.546	0.0	0.0	0.4	2.1
11/09/07 3:43	09/19/08 1:02	14	34	y=1.1220x-2.472	0.0	-0.2	1.7	1.8
09/19/08 1:02	10/15/08 2:10	5	1	y=1.1674x-1.090	0.0	0.0	0.4	
10/15/08 2:10	01/30/09 4:06	15	15	y=1.0975x-1.322	0.0	0.0	0.4	1.1
01/30/09 4:06	07/05/09 3:11	16	16	y=1.1405x-1.601	0.0	0.0	0.8	3.4
07/05/09 3:11	08/01/09 0:00	4	4	y=1.2259x-1.011	0.0	0.0	0.3	3.4

3.8.3.2. Correction of Hydrogen Sulfide Concentrations

An MPC was conducted through the challenge line (house 7 north fan 27) 13 times using purified air (Cat. # AIO.OCE-T, Praxair CEM zero air) and three to four span concentration points (Cat. # NI-HSR1E-AS, Praxair EPA Protocol Standard). Each MPC was conducted with replication. The H_2S was delivered using a 6-port dilutor (Model 040, Environics, Tolland, CT). The R^2 values of each MPC all exceeded 0.99, except for the on 1/10/08, indicating excellent linearity of instrument response to standard gas between 0 and 1800 ppb (Table 14).

Table 14. Multipoint calibration record and results for the H_2S measurements at IN2H.

Date	Span point	Span Concentration, ppb		R^2
		Minimum	Maximum	
4/5/07	3	450	900	0.9996
8/22/07	4	600	1800	0.9996
1/10/08	4	600	1800	0.8692
1/11/08	4	600	1800	0.9998
2/13/08	4	600	1800	0.9990
5/1/08	4	600	1800	0.9999
8/8/08	4	600	1800	0.9996
9/18/08	4	600	1800	0.9999
10/15/08	3	450	900	0.9979
2/19/09	4	600	1800	0.9953
6/17/09	4	300	900	0.9993
6/17/09	4	150	450	0.9992
8/20/09	4	150	450	0.9989

Precision checks were conducted weekly using zero gas and span gases (Z/S checks), delivered via the dilutor through the challenge line, and responses were recorded to monitor changes in system performance over time.

The average response of the analyzer to the zero and span gas applications was assessed, and the results were combined based on changes to the instrument or GSS to create linear correction models (Table 15). The models were used to correct instrument readout data. The measurement accuracy was assessed based on model-corrected zero and span checks.

Table 15. Concentration correction and measurement accuracy for H_2S.

Start time	End time	Check number		Linear model	Accuracy, % of span			
					Bias		Precision	
		Zero	Span		Z	S	Z	S
05/09/07 0:00	04/13/08 16:45	29	29	y=1.0067x-0.966	0.0	0.0	0.5	2.8
04/13/08 16:45	08/08/08 2:14	14	6	y=1.3711x-3.464	0.0	0.0	0.1	5.4
08/08/08 2:14	02/19/09 9:23	10	7	y=1.2891x-2.151	0.0	0.0	0.2	6.1
02/19/09 9:23	03/23/09 0:40	2	4	y=0.5816x-22.126	0.9	0.0	0.4	1.8
03/23/09 0:40	06/17/09 12:43	12	8	y=0.5795x-0.030	0.0	0.0	0.2	2.6
06/17/09 23:37	08/20/09 10:34	8	6	y=1.1064x-2.778	-0.8	-2.1	0.5	6.1

3.8.3.3. Noise Tests

Analyzer noise tests were conducted to assess the minimum detection limit (MDL) of the gas measurements. The analyzers measured CEM zero air (Praxair Cat. # AIO.OCE-T CEM) continuously for 17 to 59 min after equilibrium of the instrument readout was reached. The MDL was calculated as three times the standard deviation of the data collected during the equilibrated period (Table 16).

Table 16. Noise test of gas analyzers on 8/14/2009 at IN2H.

Concentration	Statistics				Duration, min	T_{dew}, °C
	Min	Max	Std, Dev	MDL		
Dry air						
NH_3, ppm	-0.28	0.19	0.10	0.23	59	-157
CO_2, ppm	-14.0	4.0	3.5	8.2	35	-156
H_2S, ppb	-4.6	1.6	1.5	3.4	37	-157
Humidified air						
NH_3, ppm	0.34	0.94	0.12	0.28	59	14.1
CO_2, ppm	-19.0	-11.0	2.4	6.2	17	14.0
H_2S, ppb	-3.6	0.8	1.0	2.3	42	14.1

3.8.4. PM Monitors

The quality of the fan exhaust and ambient PM data was assessed through periodic mass verifications and flow and leak checks of the TEOMs (Table 17 to Table 19). The three TEOMs met or exceeded the mass verification criteria (Ko actual within ±2.5% of Ko audit) except for five times with the TEOM at house 6 fan exhaust (Table 17).

The criteria for main and total flows were 3.0±0.2 and 16.67±1.0 L min^{-1}, respectively. These criteria were all met except for two times with the TEOM at house 6 fan exhaust (Table 17).

The leakage criteria were ≤0.15 and ≤0.62 L·min^{-1} for main and total flows, respectively. It was met for all checks in the three TEOMS except for 11 times with the ambient TEOM (Table 19).

Table 17. Quality assurance tests of TEOM at House 6 fan S27exhaust IN2H.

Date	Days since last test, d	Mass error, %	TEOM flows, L/min		Leak test flows, L/min	
			Main	Total	Main	Auxiliary
12/14/06			3.169	16.99	-0.01	0.01
12/20/06		0.88				
3/8/07	78	2.26	2.976	1605	0.19	0.23
8/15/07	160	2.06				
9/13/07	29	2.47	3.031	15.71	0.10	0.20
11/14/07	62	2.50	3.043	15.69	0.10	0.25
12/26/07	42	1.70	3.000	15.61	0.10	0.22
4/11/08	107	2.20	3.184	16.84	0.10	0.18
6/27/08	77	2.59	3.131	16.31	0.16	0.61
9/11/08	76	2.43	2.921	15.71	0.23	0.50
12/4/08	84	2.86	2.980	15.54	0.19	0.16
3/5/09	91	2.85		16.67	0.13	0.16
3/6/09	1	2.91	2.962	16.85	0.13	0.06
3/26/09	20	2.46	3.20	16.04	0.13	0.07
6/25/09	91	2.49	3.144	16.24	0.17	0.13
7/30/09	35	2.43	3.167	16.43	0.16	0.61

Table 18. Quality assurance tests of TEOM at House 7 fan N27 exhaust at IN2H.

Date	Days since last test, d	Mass error, %	TEOM flows, L/min		Leak test flows, L/min	
			Main	Total	Main	Auxiliary
12/14/06			3.012	17.14	0.06	0.03
12/20/06		0.76				
3/8/07	78	1.16	2.990	16.61	-0.03	-0.01
4/26/07	49	1.84	3.106	17.74	0.05	0.32
4/27/07	1	2.17	3.205	17.75	0.11	0.28
8/15/07	110					
9/13/07	29	0.55	3.087	17.54	-0.02	-0.07
11/14/07	62	1.01	3.184	17.44	0.01	0.05
12/26/07	42	0.18	3.071	16.80	0.01	-0.02
4/11/08	107	1.12	3.156	16.71	-0.01	-0.02
9/11/08	153	0.83	2.970	15.78	-0.04	0.21
12/4/08	84	1.57	3.032	15.85	-0.04	0.27
3/5/09	91	1.07	2.992	16.48	0	0.45
6/26/09	113	0.64	3.001	16.81	-0.01	0.55
7/30/09	34	1.13	3.058	16.63	-0.01	0.56

Table 19. Quality assurance tests of ambient TEOM.

Date	Days since last test, d	Mass error, %	TEOM flows, L/min		Leak test flows, L/min	
			Main	Total	Main	Auxiliary
12/14/06			3.169	16.99	0.08	0.02
12/19/06		0.24				
3/8/07	79	1.7	3.058	16.91	0.00	0.01
9/13/07	189	2.41	3.076	17.42	0.16	0.37
11/14/07	62	2.11	3.018	16.79	0.16	0.46
12/26/07	42	1.70	3.000		0.10	0.22
12/26/07	0	2.09	3.00	15.92	0.17	0.58
4/11/08	107	1.17	3.116	17.40	0.18	0.36
6/26/08	76	2.20	3.125	17.33	0.17	0.25
9/4/08	70	2.08	3.025	16.84	0.18	0.35
12/4/08	91	2.50	2.039	16.97	0.17	0.27
3/5/09	91	1.87	2.989	16.72	0.17	0.49
6/29/09	116	2.08	3.015	16.89	0.14	0.65
7/29/09	30	1.62	3.032	16.15	0.16	0.61
11/13/09	107	2.12	2.972	16.76	0.16	0.26
1/7/10	55	1.95				
1/8/10	56		2.960	16.74	-0.01	0.27

3.9. Data Analysis

3.9.1. Software

All emission data processing was conducted using custom software (CAPECAB, Fibre Recovery Systems, Inc., Calgary, AB). Data was carefully inspected and validated. If a datum was invalid for a known reason, the datum was marked (flagged) invalid and all calculations dependent on that datum were also invalid unless a substitution datum was identified.

If the QA/QC checks described above indicated a measurement bias, the data was corrected prior to calculating emissions. The CAPECAB program provided a robust method to inspect data, invalidate if necessary, and implement various corrections over specified time periods.

3.9.2. Data Substitution, Validation, Correction and Uncertainty

3.9.2.1. Pressure

The average static pressures for each house were determined using data from all properly-operating sensors between the north and south ΔP sensors. The static pressure sensor measurements were adjusted based on both multipoint calibrations and time-weighted average zero offsets during the interim periods. Calibration offsets were assigned to the different sensors based on time-weighted averages of the zero checks. Four sets of offsets were developed for the static pressure sensors (Table 20). For calculating airflow, the functioning sensor in the house was used whenever the sensor on the other side wall failed.

Table 20. Time-weighted offsets for all the static pressure sensors.

Sensor and date	House 6 time-weighted offset, Pa	House 7 time-weighted offset, Pa
N Wall	-0.96	-0.82
S Wall	-1.52	-0.10

The atmospheric pressure measurement was invalid when the TEOM was offline during maintenance or when it failed. To facilitate emission-related calculations, an average atmospheric pressure measurement of 1 atm was substituted in the calculations when the measurement value was not available.

3.9.2.2. Environmental Sensors

Indoor air temperatures for each house were defined as the average of the six temperatures measured at fans F6, 27, and 49 on each side wall (Figure 2). The air inlet temperature in each house was the temperature measured with TC in the attic air inlet of each house. Invalid sampling point temperatures were substituted with the nearest sampling point temperatures on the same sidewall.

House relative humidity (RH) was the RH readings from the OMNI/NOVUS sensors at south F27 in house 6 and north F27 in house 7. The INNOVA T_{dew} readings for the ambient location were converted to RH, and RH was converted to humidity ratio using the standard conversion equations.

The solar sensor signal was collocated with a reference solar sensor from 6/26 to 8/27/09. The two sensor signals did not show significant deviations. No correction of solar radiation data was necessary.

3.9.2.3. Fan Operation

There were always at least two functional sensors per fan stage for the single-speed fans. Because all fans on a stage were driven by the same fan controller, airflow calculations were facilitated by substitutions of operation data from other fans of the same stage and by combining the fan operational signals obtained from the fan control dry relays.

The operation of variable-speed fans was calculated with models developed on the airflow speeds from the six anemometers in each house. The relationship of the fan ventilation rates and the airflow speeds from the anemometers were established by using the data from on-site fan tester and traverse method.

3.9.2.4. Gas Concentrations

The first 7 min and 5 min of the 10-min house gas concentration data were discarded for NH_3 and H_2S, respectively, because the system needed that much time to reach equilibrium after switching from one sampling location to another. Thus, only the last 3 min and 5 min data during the 10-min time were validated for NH_3 and H_2S, respectively. For the 20-min ambient and inlet sampling locations, the equilibrium times extended during data processing and only the last 3 min and 5 min data were validated form NH_3 and H_2S, respectively. Table 21 describes the time specified in the data processing software for gas concentration measurements to stabilize based

on gas and sampling location, and the maximum interval for interpolating between two valid concentration measurements for a sampling location.

Table 21. Gas concentration data validation and interpolation requirements.

Gas	Exhaust sampling locations		Inlet sampling location	
	Equilibration period, min	Max. interpolation interval, min	Equilibration period, min	Max. interpolation interval, min
NH_3	7	300	17	3000
H_2S	5	300	15	3000

Linearly-interpolated, 1-min gas concentrations were generated between two valid measurements for each location, whenever the intervals between two valid measurements were less than 5 h for house locations, and 7.5 h for ambient or inlet locations.

Gas and water vapor concentrations, and sample relative humidity, temperature, pressure, flow rate, and flow direction were automatically invalidated during all gas analyzer MPCs and Z/S checks, and when sample Q < 3.8 L/min. Gas data were invalidated under conditions of positive house static pressure, because house airflow measurements require a negative or under-pressure in the house.

Invalid exhaust sampling point gas concentrations were substituted with the average concentrations of the other two gas sampling points on the same sidewall. Invalid house inlet gas concentrations in one house were substituted with the inlet gas concentrations of the other house.

Gas concentration data were invalidated due to problems with the INNOVA 1412 and the TEI 45C gas analyzers. The Innova sustained internal mechanical failures in February 2008, from June to July 2008, and in March and May 2009. The TEI 45C H_2S analyzer had failures multiple periods.

Standard gas concentrations were calculated on dry and moist bases with Eqns. 3-1 and 3-2, respectively.

$$C'' = \frac{C'}{(1-W)} \tag{3-1}$$

and

$$C' = \frac{P' \cdot c \cdot M}{R \cdot (273 + T')} \tag{3-2}$$

where:

C'' Dry standard mass concentration, dry basis (mg $d^{-1}sm^3$ or µg $d^{-1}sm^3$)
C' Standard mass concentration, moist-air basis (mg·sm^{-3} or µg·sm^{-3})
P' Standard pressure (1 atm)
T' Standard temperature (20°C)
c Volumetric concentration of gas (ppm or ppb)

M Molecular weight of gas ($g \cdot mol^{-1}$)
R Universal Gas Constant ($0.08206\ L \cdot atm \cdot mol^{-1} \cdot °K^{-1}$)
W Humidity ratio

3.9.2.5. PM Concentrations

There were some PM concentration data substitutions during data processing. There were also some lost data that could not be recovered due to various instrument problems.

In both houses and in the ambient environment, TEOM failures and off-site repairs were experienced several times. The major failures were related to the controller unit and internal program. Data were not recovered during these periods.

3.9.3. Emission Calculations

Emission rates were not calculated unless the ventilation rate, sampling point temperature, atmospheric pressure, inlet concentration or exhaust concentration were valid.

3.9.3.1. Particulate matter

The PM emissions were calculated with Eqn. 3-3.

$$E = \left(Q_O \cdot P_O \cdot \left(\frac{273+20}{273+T_O} \right) \right) \cdot \left(c'_O - c'_i \right) \tag{3-3}$$

Where:
E Net PM emission rate ($\mu g\ s^{-1}$)
Q_0 Exhaust airflow rate at To ($m^3\ s^{-1}$)
P_0 Pressure of exhaust air (atm)
C_0' PM concentration of exhaust air ($\mu g\ m^{-3}$)
C_i' Ambient PM concentration ($\mu g\ m^{-3}$)
T_0 Temperature of exhaust air (°C)

3.9.3.2. Gases

$$E = Q_O \cdot \frac{P_O \cdot M}{R \cdot (273+T_O)} \cdot (c_O - c_i) \tag{3-4}$$

Where:
E Stream or house emission rate ($mg\ s^{-1}$ or $\mu g\ s^{-1}$)
Q_O Stream or house outlet moist airflow rate at To ($m^3\ s^{-1}$)
P_O Exhaust air pressure (atm)
M Gas molecular weight ($g\ mol^{-1}$)
R Universal Gas Constant ($0.08206\ L\ atm/mol^{-1}\ °K^{-1}$)
T_O Exhaust air temperature (°C)
c_o Exhaust air concentration (ppm or ppb)
c_i Ambient or ventilation air inlet concentration (ppm or ppb)

House emissions were the summation of the stream emissions. If the interpolated stream concentration was invalid for one stream in a house, the average of the other two stream concentrations was substituted in the emission calculation. House emission was divided by variables (bird inventory and animal units) or constants (floor area) to normalize emissions to site-specific characteristics.

3.9.3.3. Volatile organic compounds

The total VOC concentration was multiplied by building airflow for the 24-h canister sampling period to yield an average emission rate. If two samples were successfully collected for a building at one sampling event, the average concentration was used in the calculation.

4. RESULTS

4.1. Farm Production Information

The farm production information, including inventory, bird mass and density are presented in Appendix F, Table F2. The bird inventory and mass were based on the weekly data sheets provided by the farm.

The average bird numbers in H6 and H7 during the two year monitoring were 218,205 and 218,059, respectively. The average weights of the birds ranged from 1.24 to 1.60 kg in H6 and 1.20 to 1.60 kg in H7. The average bird densities were 52.2 and 52.6 kg m^{-2} for H6 and H7, respectively.

4.2. Characteristics of Biomaterials

The summarized results of lab analyses of various biomaterials are listed in five tables in Appendix E.

From samples taken in the two houses, the layer manure pH ranged from 7.61±0.29 (mean ± standard deviation) to 8.90±0.12. The wet weight based solid in the manure samples varied from 37.6±2.82 % to 90.4±0.42 %. The percentage of wet weight based ammonia ranged from 0.18±0.06 % to 0.96±0.28% (Table E1).

In the load-out manure samples, the wet weight based solid ranged from 77.2±9.34 % to 87.9±1.27%, the wet weight based TKN ranged from 2.17±0.89 % to 5.07±0.58%, and the wet weight based ash (for house 7 only) ranged from 29.5±4.95 % to 40.2±5.88% (Table E2).

The wet weight-based solid in the 56 feed samples ranged from 86.9±0.25 % to 90.0±0.50% and the TNK ranged from 1.40±0.53 % to 3.08±0.82% (Table E3).

The minimum wet weight-based solids and TKN in the 57 egg samples were 22.1±2.18% and 1.15±0.08 %, respectively. The maximum wet weight-based solids and TKN were 24.6±0.97% and 2.05±0.02%, respectively (Table E4).

Water samples taken from well #3, after resin beds, and in the houses showed TKN from non-detectable to 0.67 mg/L, nitrate/nitrite from non-detectable to 0.5 mg/L, and total N from non-

detectable to 0.99 mg/L. The total sulfur contents in all water samples ranged from 8.2 to 11.2 mg/L (Table E5).

4.3. Environmental Conditions

4.3.1. Ambient Conditions

The weather conditions at the monitoring site are shown in Table 22. According to historical climatic information, daytime average high temperatures range from -1°C in the winter to 29°C in the summer. Average overnight lows range from -9°C in winter to 17°C in summer. Typical prevailing winds for the region are from the west in the winter and southwest during the rest of the year. Table F1 in Appendix F shows the daily average outdoor temperature, relative humidity, wind speed, wind direction, solar radiation and barometric pressure.

Table 22. Monthly averages for weather conditions for at the IN2B site*.

Month	Temperature, °C			Wind speed, km·h^{-1}	Wind direction
	High	Low	Mean		
January	-1	-9	-5	21	W
February	1	-8	-3	19	W
March	8	-2	3	21	W
April	15	4	9	20	W
May	22	10	15	17	SW
June	27	15	21	16	SW
July	29	17	22	14	SW
August	28	16	21	13	SW
September	24	12	17	14	SW
October	17	6	11	16	SW
November	10	1	4	18	SW
December	2	6	-2	19	W
Annual average	15	6	9		

*** http://www.weather.com/weather/wxclimatology/monthly/46992**

4.3.2. House Conditions

The summarized characteristics of daily mean ambient and house temperature and related humidity are listed in Table 23. The daily mean variations of ambient and house temperatures are shown in Figure 3. Lists of all valid daily mean ambient temperature and relative humidity are provided in Table F1 (Appendix F). Daily mean house temperature and relative humidity are listed in Table F3.

Table 23. Summary of temperatures and related humidity in ambient and houses.

Variable	Ambient		House 6		House 7	
	Temp., °C	RH, %	Temp., °C	RH, %	Temp., °C	RH, %
Mean±SD	12.3±11.3	68.2±13.3	27.5±2.5	48.7±5.5	25.8±2.3	51.6±6.1
n	699	667	700	700	699	699
Min	-18.4	34.6	11.9	31.8	19.5	34.5
Max	29.8	97.8	31.9	65.5	31.3	66.9

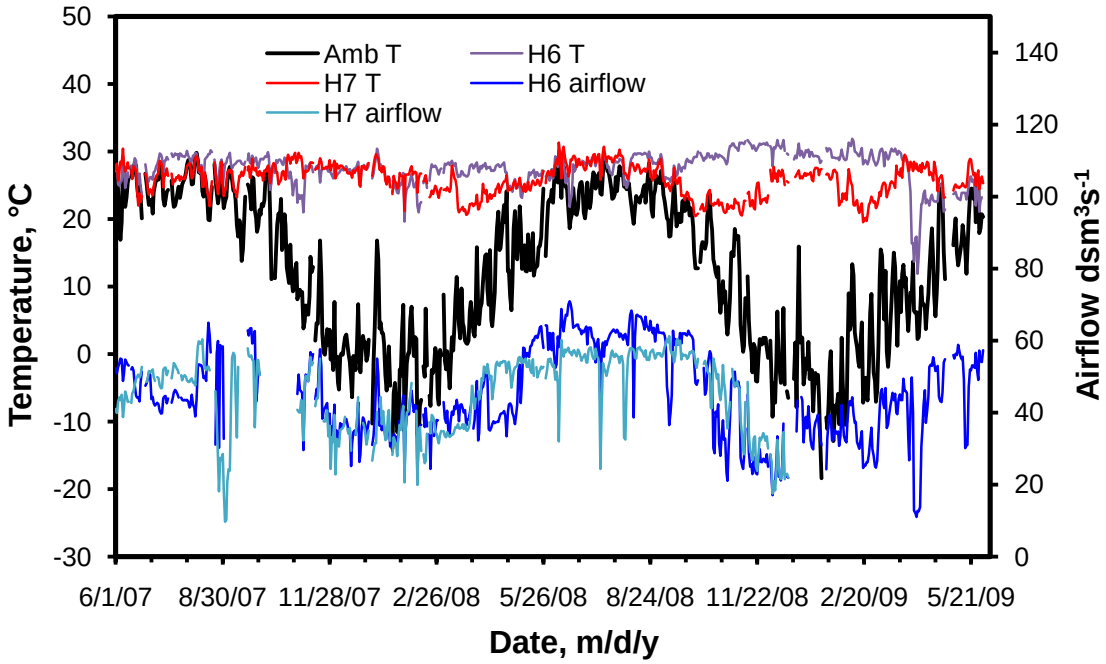

Figure 3. Inlet and indoor temperatures and dry standard airflow rate for houses 8 and 9.

4.4. Ventilation Rate

Table 24 lists a summary of the differential pressure and house airflow rates in the two houses. All valid daily mean pressure and airflow rates are listed in Tables F3 in Appendix F. Figure 3 shows the variations of the airflow rates in the two houses.

Table 24. Summary of differential pressures and house airflow rates.

Variable	House 6		House 7	
	ΔP, Pa	Airflow, dsm^3s^{-1}	ΔP, Pa	Airflow, dsm^3s^{-1}
Mean±SD	-17.6±6.7	173.7±159.8	-19.1±7.3	170.2±174.6
n	700	652	700	499
Min	-39.1	13.4	-53.8	32.1
Max	-0.64	647	-0.67	674

4.5. Particulate Matter Concentration and Emissions

4.5.1. PM_{10}

The summarized characteristics of daily mean ambient and house PM_{10} concentrations are listed in
Table 25. Table 26 lists characteristics PM_{10} emissions from the two houses in different units. Figure 4 illustrates the variations of daily mean PM_{10} emissions from the two houses. Data of all daily mean PM_{10} concentrations and emission rates are listed in Tables F4, Appendix F.

Table 25. Summary of PM_{10} concentrations.

Variable	Ambient	House 6	House 7
Avg±SD, $\mu g \cdot dsm^{-3}$	101±72	553±310	558±356
Min, $\mu g \cdot dsm^{-3}$	5.77	1.36	2.52
Max, $\mu g \cdot dsm^{-3}$	583	1760	3350

Table 26. Summary of PM_{10} emissions.

Variable	House 6	House 7
Avg±SD, $g \cdot d^{-1}$	3702±3194	4944±3978
Min, $g \cdot d^{-1}$	-7680	-1010
Max, $g \cdot d^{-1}$	15000	24700
Avg±SD, $mg \cdot d^{-1} hd^{-1}$	17±14.6	22.9±18.8
Min, $mg \cdot d^{-1} hd^{-1}$	-33.2	-13.6
Max, $mg \cdot d^{-1} hd^{-1}$	67.9	114

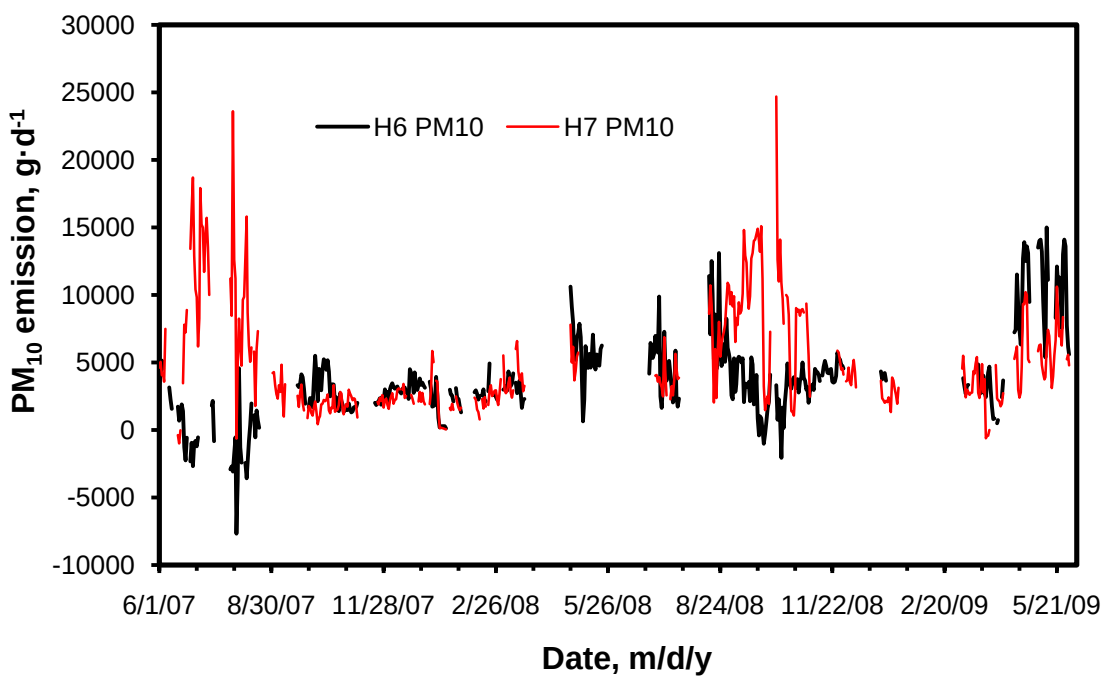

Figure 4. Daily mean PM_{10} emissions from the two houses.

4.5.2. $PM_{2.5}$

The characteristics of daily mean ambient and house fan exhaust $PM_{2.5}$ concentrations are listed in Table 27. Table 28 presents the characteristics $PM_{2.5}$ emissions from these locations in two different units. Figure 5 illustrates the variations of daily mean $PM_{2.5}$ emissions from the two houses. Data of all daily mean $PM_{2.5}$ concentrations and emission rates are listed in Tables F5, Appendix F.

Table 27. Summary of $PM_{2.5}$ concentrations.

Variable	Ambient	House 6	House 7
Avg±SD, $\mu g \cdot dsm^{-3}$	19±20	66±118	41±39
Min, $\mu g \cdot dsm^{-3}$	-4.71	16.1	-1.14
Max, $\mu g \cdot dsm^{-3}$	119	687	197

Table 28. Summary of $PM_{2.5}$ emissions.

Variable	House 6	House 7
Avg±SD, $g \cdot d^{-1}$	214±280	104±49
Min, $g \cdot d^{-1}$	44.8	36.9
Max, $g \cdot d^{-1}$	1260	230
Avg±SD, $mg \cdot d^{-1} hd^{-1}$	1±1.4	0.5±0.2
Min, $mg \cdot d^{-1} hd^{-1}$	0.195	0.16
Max, $mg \cdot d^{-1} hd^{-1}$	6.17	0.999

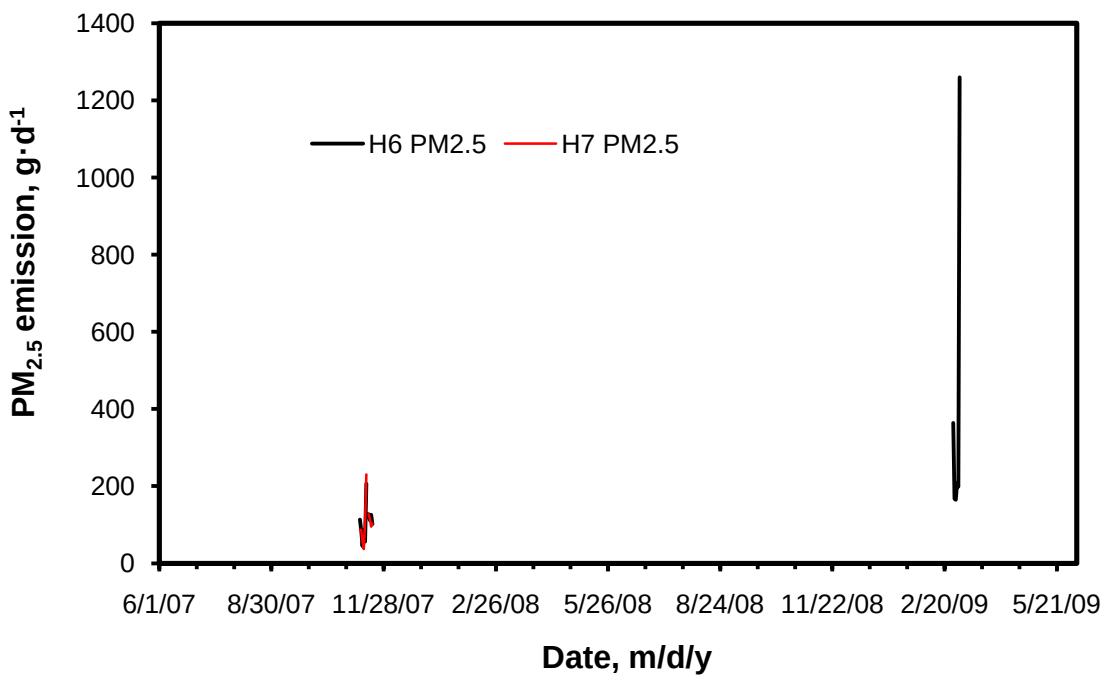

Figure 5. Daily mean $PM_{2.5}$ emissions from the two houses.

4.5.3. TSP

The characteristics of daily mean ambient and house fan exhaust TSP concentrations are listed in Table 29. Table 30 lists characteristics of TSP emissions from these locations in different units. Figure 6 illustrates the variations of daily mean TSP emissions from the two houses. Data of all daily mean TSP concentrations and emission rates are listed in Tables F6, Appendix F.

Table 29. Summary of TSP concentrations.

Variable	Ambient	House 6	House 7
Avg±SD, $\mu g \cdot dsm^{-3}$	77±49	1364±382	1230±797
Min, $\mu g \cdot dsm^{-3}$	1.82	727	275
Max, $\mu g \cdot dsm^{-3}$	224	2360	3290

Table 30. Summary of TSP emissions.

Variable	House 6	House 7
Avg±SD, $g \cdot d^{-1}$	7408±2743	4694±3629
Min, $g \cdot d^{-1}$	4540	647
Max, $g \cdot d^{-1}$	14800	13200
Avg±SD, $mg \cdot d^{-1} hd^{-1}$	32±12.7	22.1±17.1
Min, $mg \cdot d^{-1} hd^{-1}$	20	2.84
Max, $mg \cdot d^{-1} hd^{-1}$	67	61.4

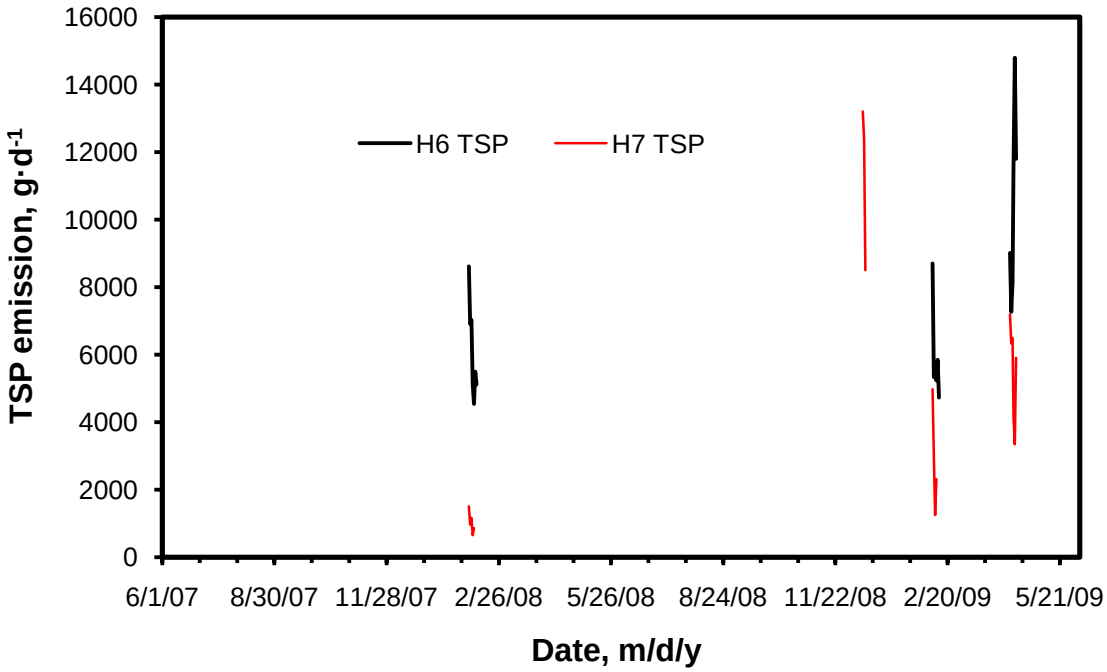

Figure 6. Daily mean TSP emissions from the two houses.

4.6. VOC Concentration and Emissions

The 20 most prevalent VOCs detected in the canister samples accounted for 96% of the total quantified mass. The most prevalent compound was 2-Methyl-propenoic acid methyl ester, which was 49% of the total mass (Table 31). Concentrations of total VOC in exhaust air ranged from 0.52 to 23.5 mg m^{-3} in H6, 0.72 to 4.91 mg m^{-3} in H7. The mean total VOC concentrations were 4.31 ± 8.49 in H6, 2.04±1.89 mg m^{-3} in H7, respectively (Table 32).

Table 31. Average concentration of 20 most prevalent VOCs.

Compound	Conc., ng/m^3	% of total	Cumulative %
2-Methyl-propenoic acid methyl ester	5.81E+05	49.38%	49.38%
Hexane	9.99E+04	8.49%	57.87%
Dimethyl disulfide	9.32E+04	7.92%	65.79%
Indole	7.88E+04	6.70%	72.49%
Propanoic acid	3.39E+04	2.88%	75.37%
Pentane	2.66E+04	2.26%	77.63%
Methyl cyclopentane	2.51E+04	2.14%	79.77%
Pentanal	2.42E+04	2.06%	81.82%
Phenol	1.73E+04	1.47%	83.29%
2-Butanol	1.73E+04	1.47%	84.76%
Benzaldehyde	1.53E+04	1.30%	86.07%
2,3-Butanedione	1.53E+04	1.30%	87.37%
Butanal	1.52E+04	1.29%	88.65%
o-Xylene	1.43E+04	1.22%	89.87%
2-Pentanone	1.43E+04	1.21%	91.08%
4-Methyl-phenol	1.39E+04	1.18%	92.27%
Heptanal	1.25E+04	1.06%	93.33%
Nonanal	1.20E+04	1.02%	94.35%
Octanal	7.37E+03	0.63%	94.97%
Dimethyl trisulfide	7.32E+03	0.62%	95.60%

Total VOC emissions (ng s^{-1}) during each sampling period were determined by multiplying the mean building airflow rate (m^3 s^{-1}) by the total mass (ng m^{-3}) and converting to kg d^{-1}. The VOC emission rates of H6 and H7 ranged from 2.25 to 78.9 and 2.11 to 15.2 kg d^{-1}, respectively. The mean VOC emission rates from B5 and H6 were 15.7 ± 26.0 and 6.36 ± 5.97 kg d^{-1} or 0.072 ± 0.120 and 0.031 ± 0.029 g d^{-1} hd^{-1} (Table 32).

Table 32. Emission of total VOC for each sampling day.

Date	# canisters		Concentration, mg m^{-3}		Airflow, m^3 s^{-1}		Emission, kg d^{-1}	
	H6	H7	H6	H7	H6	H7	H6	H7
01/09/09	2	2	23.5	4.67	38.9	37.7	78.9	15.2
03/12/09	2	1	1.18	1.18	37.3	38.0	3.80	3.86
04/30/09	2	2	0.63	0.72	55.9	46.2	3.05	2.88
05/09/09	2	2	0.60	0.73	59.4	46.6	3.07	2.96
05/13/09	2	2	1.09	4.91	57.3	35.2	5.39	14.9
05/27/09	2	2	2.68	0.81	58.1	36.7	13.5	2.56
06/23/09	2	2	0.52	1.26	49.7	19.4	2.25	2.11
Mean	2	2	4.31	2.04	51.0	37.1	15.7	6.36

4.7. Hydrogen Sulfide Concentration and Emissions

The characteristics of daily mean inlet and house fan exhaust H_2S concentrations are listed in Table 33. Table 34 lists characteristics H_2S emissions from these locations in different units. Figure 7 illustrates the variations of daily mean H_2S emissions from the two houses. Data of all daily mean H_2S concentrations and emission rates are listed in Tables F7 and F8, respectively, in Appendix F.

Table 33. Summary of hydrogen sulfide concentrations.

Variable	H6 inlet	H7 inlet	House 6	House 7
Avg±SD, ppb	7±13	7±12	25±24	23±25
Min, ppb	-25	-24	-18	-36
Max, ppb	65	57	127	125

Table 34. Summary of hydrogen sulfide emissions.

Variable	House 6	House 7
Avg±SD, $g \cdot d^{-1}$	277±181	257±219
Min, $g \cdot d^{-1}$	-116	-395
Max, $g \cdot d^{-1}$	853	1310
Avg±SD, $mg \cdot d^{-1} hd^{-1}$	1.3±0.8	1.2±0.9
Min, $mg \cdot d^{-1} hd^{-1}$	-0.53	-0.04
Max, $mg \cdot d^{-1} hd^{-1}$	3.79	5.65

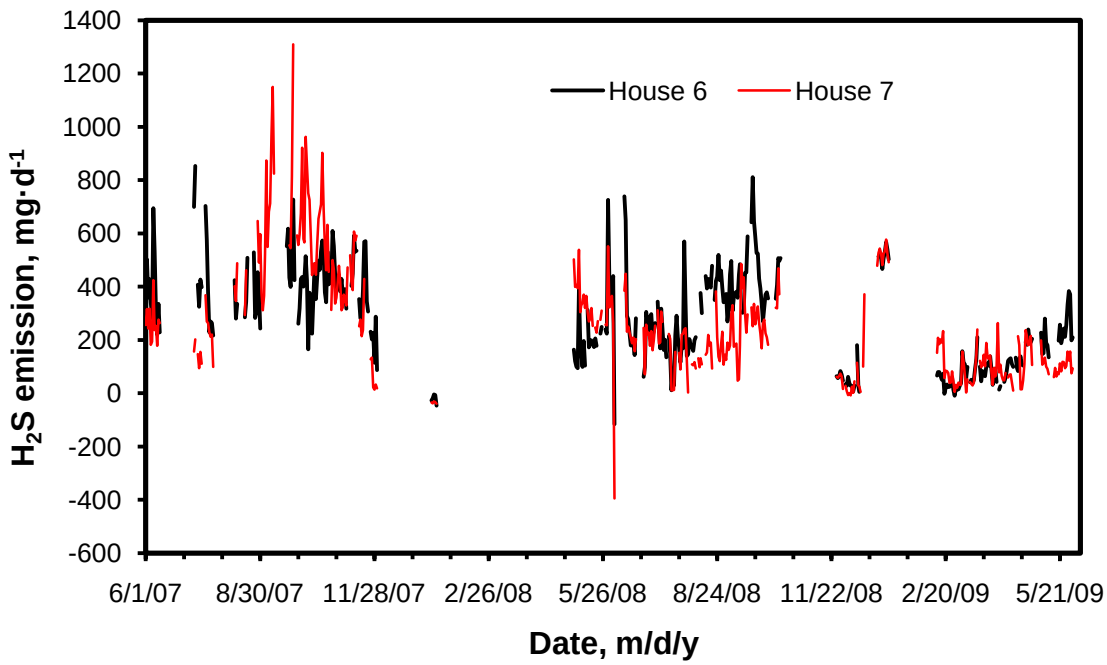

Figure 7. Daily mean hydrogen sulfide emissions from the two houses.

4.8. Ammonia Concentration and Emissions

The characteristics of daily mean inlet and house fan exhaust NH_3 concentrations are listed in Table 35. Table 36 lists characteristics NH_3 emissions from these locations in different units. Figure 7 illustrates the variations of daily mean NH_3 emissions from the two houses. Data of all daily mean NH_3 concentrations and emission rates are listed in Tables F9 and F10, respectively, in Appendix F.

Table 35. Summary of ammonia concentrations.

Variable	H6 inlet	H7 inlet	House 6	House 7
Avg±SD, ppm	2.2±3.1	1.6±2.8	48.9±39	51.9±40.7
Min, ppm	-2.2	-1.6	0.5	1.2
Max, ppm	19.3	24.6	176	182

Table 36. Summary of ammonia emissions.

Variable	House 6	House 7
Avg±SD, $kg \cdot d^{-1}$	223.3±86.4	249.3±97.4
Min, $kg \cdot d^{-1}$	36.9	56.5
Max, $kg \cdot d^{-1}$	613	916
Avg±SD, $g \cdot d^{-1} hd^{-1}$	1.027±0.395	1.127±0.431
Min, $g \cdot d^{-1} hd^{-1}$	0.230	0.260
Max, $g \cdot d^{-1} hd^{-1}$	2.690	3.990

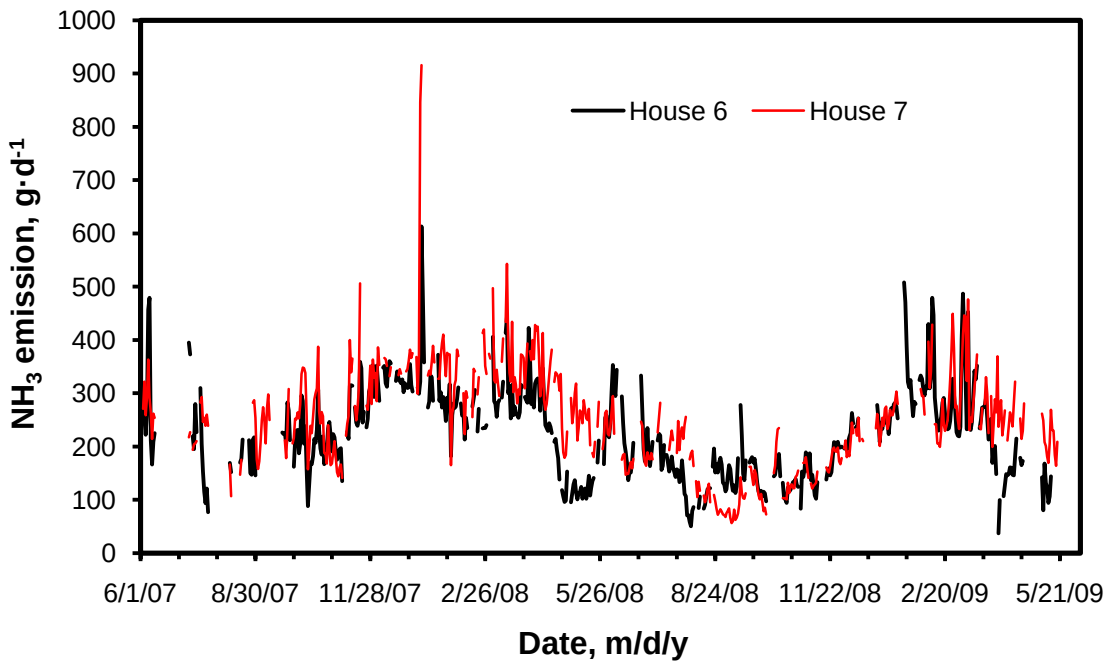

Figure 8. Daily mean ammonia emissions from the two houses.

4.9. Emission Data Completeness

Daily completeness data is given in Table F11. The number of complete data (>75% valid required for reporting a daily mean) were calculated for emission measurements conducted from 6/1/07-5/31/09 (Table 37). The number of daily means of NH_3 and H_2S emissions was reduced by the gas analyzer failures, recalibrations, and off-site repairs. The PM completeness was affected by TEOM failures.

Table 37. Completeness of emissions data (6/1/07-5/31/09).

Location	Days with >75% valid house emission data				
	NH_3	H_2S	PM_{10}	$PM_{2.5}$	TSP
House 6	525	358	411	16	19
House 7	512	369	403	10	19

4.10. Reconciliation with DQO's

The data quality objectives prior to the study were to measure gas and PM emissions from mechanically-ventilated buildings with total relative uncertainties of 27% and 32%, respectively.

4.10.1. Airflow

The overall average airflows for H6 and H7 were 45 ± 16 $dsm^3\ s^{-1}$ (n=664) and 45±11 $dsm^3\ s^{-1}$ (n= 486), respectively. An average of 4.4 fans operated in all houses at which condition the airflow measurement uncertainty was 25%, based on the fan models.

4.10.2. Gas Emissions

The bias and precision of NH_3 concentration measurements were derived from the NH_3 zero/span checks as compared with the NH_3 correction models (Table 13). The bias and precision of NH_3 measurements were 0% and 3.3%, respectively.

The bias and precision of H_2S concentration measurements were derived from the H_2S zero and span checks as compared with the H_2S correction models (Table 15). The bias and precision of H_2S measurements were 0% and 2.9%, respectively.

Based on these measurement errors calculated for concentrations and airflows, the uncertainties of NH_3 and H_2S emissions from H6 and H7 were 26.0 and 25.8%, respectively.

4.10.3. PM Emissions

The precision of PM_{10}, TSP and $PM_{2.5}$ concentration measurements were 6.7, 7.1, and 6.7% based on collocation tests of the three TEOMs (Table 17 to Table 19). The relative biases of the TEOMs were 1.6 and 1.8% for H6 and H7 (Table 17 and Table 18). The uncertainties of PM_{10}, TSP and $PM_{2.5}$ emissions from H6 and H7 were 28.6, 28.9 and 28.6%, respectively.

5. SUMMARY

The emissions of NH_3, H_2S, PM_{10}, TSP, $PM_{2.5}$ and VOCs from two 250,000 bird capacity high-rise layer houses in Indiana were measured during a two-year monitoring study. Manure was accumulated into deep pits in the houses. The houses were mechanically-ventilated with variable-speed and single-speed fans.

The overall average emission rates from house 6 were 223 kg d^{-1} of NH_3, 277 g d^{-1} of H_2S, 3702 g d^{-1} of PM_{10}, 214 g d^{-1} of $PM_{2.5}$, 7408 g d^{-1} of TSP, and 15.7 kg d^{-1} of total VOC. The overall average emission rates from house 7 were 249 kg d^{-1} of NH_3, 257 g d^{-1} of H_2S, 4944 g d^{-1} of PM_{10}, 104 g d^{-1} of $PM_{2.5}$, 4694 g d^{-1} of TSP, and 6.36 kg d^{-1} of total VOC.

6. REFERENCES

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7. DEFINITIONS AND ACRONYMS

AARC	Agricultural Air Research Council
AirDAC	Air Data Acquisition and Control – computer program
ADM	Average daily mean
BESS	Bioenvironmental and Structural Systems
CAPECAB	Calculations of Air Pollutant Emissions from Confined Animal Buildings
CO_2	Carbon dioxide
DM	Daily mean
ΔP	Differential pressure
DQO	Data quality objective
FANS	Fan Airflow Numeration System
GC/MS	Gas chromatograph mass spectrometer
GLS	Gas sampling location(s)
GSS	Gas sampling system
H_2S	Hydrogen sulfide
H6	House 6
H7	House 7
MDL	Minimum detection limit
MPC	Multipoint calibration
MS	Mass spectrometer
n	Number or count
NAEMS	National Air Emissions Monitoring Study
NH_3	Ammonia
NMHC	Non-methane hydrocarbons
QA	Quality assurance
QAPP	Quality Assurance Project Plan
QC	Quality control
OFIS	On farm instrument shelter
PM	Particulate matter
PREF	Primary representative exhaust fan
RH/T	Relative humidity/temperature
RH	Relative humidity
SD	Standard deviation
T_{dew}	Dew point temperature
TDS	Thermal desorption system
TDS-GS-MS	Thermodesorption-gas chromatograph mass spectrometer
TEOM	Tapered element oscillating microbalance
TSP	Total suspended particulate
VOC	Volatile organic compounds
Z/S	Zero/span

APPENDIX A. MEASUREMENT VARIABLE LIST

Col#	Data file heading	Instrument/sensor	Location	Monitoring/control location	Range / target	DAC hardware
1	Date & time	---				---
2	Smpl loc#	---				---
3	Cal gas #	Environics	Rack	Calibration gases	0-7 gas #	---
4	Conc. ppm	Environics	Rack	Calibration gases	From 0 ppm	---
5	NH3, ppm	Innova 1412	Rack	15 GSLs	From 0.2 ppm	
6	ETOH, ppm	Innova 1412	Rack	15 GSLs	From 0.03 ppm	
7	THC (Propane), ppm	Innova 1412	Rack	15 GSLs	Varies	
8	CH4, ppm	Innova 1412	Rack	15 GSLs	From 0.4 ppm	
9	CO2, ppm	Innova 1412	Rack	15 GSLs	From 3.4 ppm	
10	WV, Tdew	Innova 1412	Rack	15 GSLs	N/A	
11	Nt, ppm	17C NH3 analyzer	Rack	15 GSLs	0-100 ppm	FP-AI-112-1
13	NH3, ppm	MSA NH3 analyzer	Rack	15 GSLs	0-1000 ppm	FP-AI-112-1
14	H2S, ppb	H2S analyzer	Rack	15 GSLs	1-800 ppb	FP-AI-112-1
15	SO2, ppb	H2S analyzer	Rack	15 GSLs	1-800 ppb	FP-AI-112-1
16	CO2, ppm	MSA CO2 monitor	Rack	15 GSLs	0-10000 ppm	FP-AI-112-1
17	Smpl P, Pa	Setra P sensor	GSS	15 GSLs	0-2 psi	FP-AI-112-1
18	Smpl Q, L/m	Mass flow	GSS	15 GSLs	0-10 Lpm	FP-AI-112-1
19	Smpl RH, %	Humitter 50Y	GSS	15 GSLs	0-100 %	FP-AI-112-1
20	Smpl T, C	Humitter 50Y	GSS	15 GSLs	-40 to 60 °C	FP-AI-112-1
21	Smpl dir,uV	Flow direction sensor	GSS	15 GSLs	0.065 - 0.065 V	FP-AI-112-1
22	GSS T, C	AD 592D T sensor	GSS	GSS	0-70°C	FP-AI-112-1
23	6PM, ug/m3	TEOM #1	Rack	H6 FS27	-1000-9000	FP-AI-112-1
24	6Filter, %	TEOM #1	Rack	H6 FS27	0-140%	FP-AI-112-1
25	Atm P, atm	TEOM #1	Rack	H6 FS27	0.8-1.3 atm	FP-AI-112-1
26	7PM, ug/m3	TEOM #2	Rack	H7 FN27	-1000-9000	FP-AI-112-1
27	7Filter, %	TEOM #2	Rack	H7 FN27	0-140%	FP-AI-112-2
28	Amb PM, ug/m3	TEOM #3	Rack	1 m on top of OFIS	-1000-9000	FP-AI-112-2
29	Amb Filter, %	TEOM #3	Rack	1 m on top of OFIS	0-140%	FP-AI-112-2
30	6dP N, Pa	Setra P transducer	OFIS	H6 N wall & inside FN27	-100 to 100 Pa	FP-AI-112-2

Col#	Data file heading	Instrument/sensor	Location	Monitoring/control location	Range / target	DAC hardware
31	6dP S, Pa	Setra P transducer	OFIS	H6 S wall & inside FS27	-100 to 100 Pa	FP-AI-112-2
32	7dP N, Pa	Setra P transducer	OFIS	H7 N wall & inside FN27	-100 to 100 Pa	FP-AI-112-2
33	7dP S, Pa	Setra P transducer	OFIS	H7 S wall & inside FS27	-100 to 100 Pa	FP-AI-112-2
34	Lab/Cal, Pa	Dresser P transducer	OFIS	Inside & underneath of OFIS	-100 to 100 Pa	FP-AI-112-2
35	Wind D, d	05103-5 Wind Monitor	H7 roof	Roof top tower	0-360 degree	FP-AI-112-2
36	Wind V, m/s	05103-5 Wind Monitor	H7 roof	Roof top tower	0-60 m/s	FP-AI-112-2
37	Out T, C	RH/T HMD60	H7 roof	Roof top tower	-40 - 60 °C	FP-AI-112-2
38	Out RH, %	RH/T HMD60	H7 roof	Roof top tower	0-100 %	FP-AI-112-2
39	6FS27RH, %	RH/T HMW61Y	H6 FS27	At air sampling probe	0-100 %	FP-AI-112-2
40	6FS27T, C	RH/T HMW61Y	H6 FS27	At air sampling probe	-40 to 60 °C	FP-AI-112-2
41	6cage RH, %	Novus RHT transmitter	H6 cage	South cage	0-100 %	FP-AI-112-2
42	6cage T, C	Novus RHT transmitter	H6 cage	South cage	0 to 100 °C	FP-AI-112-2
43	7FN27RH, %	RH/T HMW61Y	H7 FN27	At air sampling probe	0-100 %	FP-AI-112-3
44	7FN27T, C	RH/T HMW61Y	H7 FN27	At air sampling probe	-40 to 60 °C	FP-AI-112-3
45	7cage RH, %	Novus RHT transmitter	H7 cage	North cage	0-100 %	FP-AI-112-3
46	7cage T, C	Novus RHT transmitter	H7 cage	North cage	0 to 100 °C	FP-AI-112-3
47	Solar, W/m2	Solar sensor	H7 roof	0-1500 W/m2	0-15 mV	FP-AI-112-3
48	6FN6Ane, V	27106RS anemometer	H6 fan	Fan N 6 exhasute cone	-0.5 to 0.5	FP-AI-112-3
49	6FN27Ane, V	27106RS anemometer	H6 fan	Fan N 27 exhasute cone	-0.5 to 0.5	FP-AI-112-3
50	6FN49 Ane, V	27106RS anemometer	H6 fan	Fan N 49 exhasute cone	-0.5 to 0.5	FP-AI-112-3
51	6FS6Ane, V	27106RS anemometer	H6 fan	Fan S 6 exhasute cone	-0.5 to 0.5	FP-AI-112-3
52	6FS27Ane, V	27106RS anemometer	H6 fan	Fan S 27 exhasute cone	-0.5 to 0.5	FP-AI-112-3
53	6FS49 Ane, V	27106RS anemometer	H6 fan	Fan S 49 exhasute cone	-0.5 to 0.5	FP-AI-112-3
54	7FN6Ane, V	27106RS anemometer	H7 fan	Fan N 6 exhasute cone	-0.5 to 0.5	FP-AI-112-3
55	7FN27Ane, V	27106RS anemometer	H7 fan	Fan N 27 exhasute cone	-0.5 to 0.5	FP-AI-112-3
56	7FN49 Ane, V	27106RS anemometer	H7 fan	Fan N 49 exhasute cone	-0.5 to 0.5	FP-AI-112-3
57	7FS6Ane, V	27106RS anemometer	H7 fan	Fan S 6 exhasute cone	-0.5 to 0.5	FP-AI-112-3
58	7FS27Ane, V	27106RS anemometer	H7 fan	Fan S 27 exhasute cone	-0.5 to 0.5	FP-AI-112-3
59	7FS49 Ane, V	27106RS anemometer	H7 fan	Fan S 49 exhasute cone	-0.5 to 0.5	FP-AI-112-4
60	Lab Act , V	Activity sensor #1	OFIS	End wall	0 to 2	FP-AI-112-4
61	6N act, V	Activity sensor #2	H6 cage	North cage wall	0 to 2	FP-AI-112-4

Col#	Data file heading	Instrument/sensor	Location	Monitoring/control location	Range / target	DAC hardware
62	6E act, V	Activity sensor #3	H6 cage	S-E cage wall	0 to 2	FP-AI-112-4
63	6S act, V	Activity sensor #4	H6 cage	South cage wall	0 to 2	FP-AI-112-4
64	7N act, V	Activity sensor #5	H7 cage	North cage wall	0 to 2	FP-AI-112-4
65	7E act, V	Activity sensor #6	H7 cage	N-E cage wall	0 to 2	FP-AI-112-4
66	7S act, V	Activity sensor #7	H7 cage	South cage wall	0 to 2	FP-AI-112-4
67	6MiniF, V	Fancom signal	H6	House fan controller	0-10	FP-AI-112-4
68	7MiniF, V	Fancom signal	H7	House fan controller	0-10	FP-AI-112-4
69	HVAC, Pa	P transducer	OFIS	Inside and outdoor	-100 to 100 Pa	FP-AI-112-4
70	P res, Pa	P transducer	OFIS	Inside	-100 to 100 Pa	FP-AI-112-4
71	CS, ppb	H2S analyzer	Rack	15 GSLs	1 - 800 ppb	FP-AI-112-4
72	Power, VAC	Adapter	OFIS	Power adapter voltage	0-150 VAC	FP-AI-112-4
73	Smpl RH2, %	Humitter 50Y	GSS	15 GSLs	0-100 %	FP-AI-112-4
74	Smpl T2, C	Humitter 50Y	GSS	15 GSLs	-40 to 60 °C	FP-AI-112-4
75	6FN6T, C	TC T type	H6 pit	At air sampling probe	-270 to 390 C	FP-TC-120-1
76	6FN27T, C	TC T type	H6 pit	At air sampling probe	-270 to 390 C	FP-TC-120-1
77	6FN49 T, C	TC T type	H6 pit	At air sampling probe	-270 to 390 C	FP-TC-120-1
78	6FS6T, C	TC T type	H6 pit	At air sampling probe	-270 to 390 C	FP-TC-120-1
79	6FS27T, C	TC T type	H6 pit	At air sampling probe	-270 to 390 C	FP-TC-120-1
80	6FS49 T, C	TC T type	H6 pit	At air sampling probe	-270 to 390 C	FP-TC-120-1
81	6inlet air, C	TC T type	H6 cage	South V-shape inlet	-270 to 390 C	FP-TC-120-1
82	6Rwy HT, C	TC T type	Raceway	1 m from OFIS on heating tape	-270 to 390 C	FP-TC-120-1
83	6Rwy, C	TC T type	Raceway	1 m from OFIS outside tubing	-270 to 390 C	FP-TC-120-2
84	7FN6T, C	TC T type	H7 pit	At air sampling probe	-270 to 390 C	FP-TC-120-2
85	7FN27T, C	TC T type	H7 pit	At air sampling probe	-270 to 390 C	FP-TC-120-2
86	7FN49 T, C	TC T type	H7 pit	At air sampling probe	-270 to 390 C	FP-TC-120-2
87	7FS6T, C	TC T type	H7 pit	At air sampling probe	-270 to 390 C	FP-TC-120-2
88	7FS27T, C	TC T type	H7 pit	At air sampling probe	-270 to 390 C	FP-TC-120-2
89	7FS49 T, C	TC T type	H7 pit	At air sampling probe	-270 to 390 C	FP-TC-120-2
90	7inlet air, C	TC T type	H7 cage	North V-shape inlet	-270 to 390 C	FP-TC-120-2
91	7Rwy HT, C	TC T type	Raceway	1 m from OFIS on heating tape	-270 to 390 C	FP-TC-120-3
92	7Rwy, C	TC T type	Raceway	1 m from OFIS outside tubing	-270 to 390 C	FP-TC-120-3

Col#	Data file heading	Instrument/sensor	Location	Monitoring/control location	Range / target	DAC hardware
93	Lab T, C	TC T type	OFIS	DAC panel	-270 to 390 C	FP-TC-120-3
94	Lab AC T, C	TC T type	OFIS	HVAC exhaust at ceiling	-270 to 390 C	FP-TC-120-3
95	Lab AC2 T, C	TC T type	OFIS	Wall A/C exhaust	-270 to 390 C	FP-TC-120-3
96	Cmpt T, C	TC T type	OFIS	Pump compartment	-270 to 390 C	FP-TC-120-3
97	17C T, C	TC T type	OFIS	Inside 17C analyzer	-270 to 390 C	FP-TC-120-3
98	Lab T, C	TC T type	OFIS	DAC panel	-270 to 390 C	FP-TC-120-3
99	6Fstg1, %t	House controller	H6	House control cabinet	0-100%t	DIO 96H/50
100	6Fstg2, %t	House controller	H6	House control cabinet	0-100%t	DIO 96H/50
101	6Fstg3, %t	House controller	H6	House control cabinet	0-100%t	DIO 96H/50
102	6Fstg4, %t	House controller	H6	House control cabinet	0-100%t	DIO 96H/50
103	6Fstg5, %t	House controller	H6	House control cabinet	0-100%t	DIO 96H/50
104	6Fstg6, %t	House controller	H6	House control cabinet	0-100%t	DIO 96H/50
105	6Fstg7, %t	House controller	H6	House control cabinet	0-100%t	DIO 96H/50
106	6Fstg8, %t	House controller	H6	House control cabinet	0-100%t	DIO 96H/50
107	6Fstg9, %t	House controller	H6	House control cabinet	0-100%t	DIO 96H/50
108	6Fstg10, %t	House controller	H6	House control cabinet	0-100%t	DIO 96H/50
109	6Fstg11, %t	House controller	H6	House control cabinet	0-100%t	DIO 96H/50
110	6Fstg12, %t	House controller	H6	House control cabinet	0-100%t	DIO 96H/50
111	7Fstg1, %t	House controller	H7	House control cabinet	0-100%t	DIO 96H/50
112	7Fstg2, %t	House controller	H7	House control cabinet	0-100%t	DIO 96H/50
113	7Fstg3, %t	House controller	H7	House control cabinet	0-100%t	DIO 96H/50
114	7Fstg4, %t	House controller	H7	House control cabinet	0-100%t	DIO 96H/50
115	7Fstg5, %t	House controller	H7	House control cabinet	0-100%t	DIO 96H/50
116	7Fstg6, %t	House controller	H7	House control cabinet	0-100%t	DIO 96H/50
117	7Fstg7, %t	House controller	H7	House control cabinet	0-100%t	DIO 96H/50
118	7Fstg8, %t	House controller	H7	House control cabinet	0-100%t	DIO 96H/50
119	7Fstg9, %t	House controller	H7	House control cabinet	0-100%t	DIO 96H/50
120	7Fstg10, %t	House controller	H7	House control cabinet	0-100%t	DIO 96H/50
121	7Fstg11, %t	House controller	H7	House control cabinet	0-100%t	DIO 96H/50
122	7Fstg12, %t	House controller	H7	House control cabinet	0-100%t	DIO 96H/50
123	6FN26s2, %t	V-sensor	H6 fan	Outdoor fan cone	0-100%t	DIO 96H/50

Col#	Data file heading	Instrument/sensor	Location	Monitoring/control location	Range / target	DAC hardware
124	6FN28s1, %t	V-sensor	H6 fan	Outdoor fan cone	0-100%t	DIO 96H/50
125	6FN29s3, %t	V-sensor	H6 fan	Outdoor fan cone	0-100%t	DIO 96H/50
126	6FN30s6, %t	V-sensor	H6 fan	Outdoor fan cone	0-100%t	DIO 96H/50
127	6FN32s8, %t	V-sensor	H6 fan	Outdoor fan cone	0-100%t	DIO 96H/50
128	6FN33s7, %t	V-sensor	H6 fan	Outdoor fan cone	0-100%t	DIO 96H/50
129	6FS19s5, %t	V-sensor	H6 fan	Outdoor fan cone	0-100%t	DIO 96H/50
130	6FS20s9, %t	V-sensor	H6 fan	Outdoor fan cone	0-100%t	DIO 96H/50
131	6FS21s7, %t	V-sensor	H6 fan	Outdoor fan cone	0-100%t	DIO 96H/50
132	6FS22s10, %t	V-sensor	H6 fan	Outdoor fan cone	0-100%t	DIO 96H/50
133	6FS23s4, %t	V-sensor	H6 fan	Outdoor fan cone	0-100%t	DIO 96H/50
134	6FS24s8, %t	V-sensor	H6 fan	Outdoor fan cone	0-100%t	DIO 96H/50
135	6FS25s10, %t	V-sensor	H6 fan	Outdoor fan cone	0-100%t	DIO 96H/50
136	6FS26s2, %t	V-sensor	H6 fan	Outdoor fan cone	0-100%t	DIO 96H/50
137	6FS28s1, %t	V-sensor	H6 fan	Outdoor fan cone	0-100%t	DIO 96H/50
138	6FS29s3, %t	V-sensor	H6 fan	Outdoor fan cone	0-100%t	DIO 96H/50
139	6FS30s6, %t	V-sensor	H6 fan	Outdoor fan cone	0-100%t	DIO 96H/50
140	6FS31s11, %t	V-sensor	H6 fan	Outdoor fan cone	0-100%t	DIO 96H/50
141	6FS32s12, %t	V-sensor	H6 fan	Outdoor fan cone	0-100%t	DIO 96H/50
142	6FS33s9, %t	V-sensor	H6 fan	Outdoor fan cone	0-100%t	DIO 96H/50
143	6FS34s12, %t	V-sensor	H6 fan	Outdoor fan cone	0-100%t	DIO 96H/50
144	6FS35s5, %t	V-sensor	H6 fan	Outdoor fan cone	0-100%t	DIO 96H/50
145	6FS36s11, %t	V-sensor	H6 fan	Outdoor fan cone	0-100%t	DIO 96H/50
146	6FS39s4, %t	V-sensor	H6 fan	Outdoor fan cone	0-100%t	DIO 96H/50
147	7FN19s4, %t	V-sensor	H7 fan	Outdoor fan cone	0-100%t	DIO 96H/50
148	7FN21s9, %t	V-sensor	H7 fan	Outdoor fan cone	0-100%t	DIO 96H/50
149	7FN22s11, %t	V-sensor	H7 fan	Outdoor fan cone	0-100%t	DIO 96H/50
150	7FN23s5, %t	V-sensor	H7 fan	Outdoor fan cone	0-100%t	DIO 96H/50
151	7FN24s11, %t	V-sensor	H7 fan	Outdoor fan cone	0-100%t	DIO 96H/50
152	7FN25s12, %t	V-sensor	H7 fan	Outdoor fan cone	0-100%t	DIO 96H/50
153	7FN26s2, %t	V-sensor	H7 fan	Outdoor fan cone	0-100%t	DIO 96H/50
154	7FN28s1, %t	V-sensor	H7 fan	Outdoor fan cone	0-100%t	DIO 96H/50

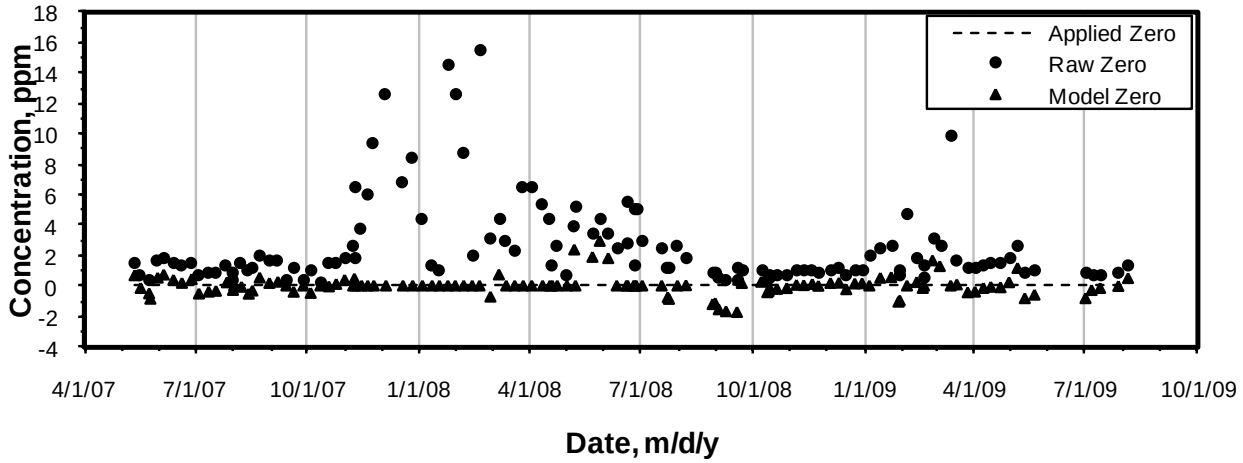
Col#	Data file heading	Instrument/sensor	Location	Monitoring/control location	Range / target	DAC hardware
155	7FN29s3, %t	V-sensor	H7 fan	Outdoor fan cone	0-100%t	DIO 96H/50
156	7FN30s6, %t	V-sensor	H7 fan	Outdoor fan cone	0-100%t	DIO 96H/50
157	7FN31s10, %t	V-sensor	H7 fan	Outdoor fan cone	0-100%t	DIO 96H/50
158	7FN32s8, %t	V-sensor	H7 fan	Outdoor fan cone	0-100%t	DIO 96H/50
159	7FN33s7, %t	V-sensor	H7 fan	Outdoor fan cone	0-100%t	DIO 96H/50
160	7FN34s9, %t	V-sensor	H7 fan	Outdoor fan cone	0-100%t	DIO 96H/50
161	7FN35s4, %t	V-sensor	H7 fan	Outdoor fan cone	0-100%t	DIO 96H/50
162	7FN36s10, %t	V-sensor	H7 fan	Outdoor fan cone	0-100%t	DIO 96H/50
163	7FN38s12, %t	V-sensor	H7 fan	Outdoor fan cone	0-100%t	DIO 96H/50
164	7FN39s5, %t	V-sensor	H7 fan	Outdoor fan cone	0-100%t	DIO 96H/50
165	7FS21s7, %t	V-sensor	H7 fan	Outdoor fan cone	0-100%t	DIO 96H/50
166	7FS24s8, %t	V-sensor	H7 fan	Outdoor fan cone	0-100%t	DIO 96H/50
167	7FS26s2, %t	V-sensor	H7 fan	Outdoor fan cone	0-100%t	DIO 96H/50
168	7FS28s1, %t	V-sensor	H7 fan	Outdoor fan cone	0-100%t	DIO 96H/50
169	7FS29s3, %t	V-sensor	H7 fan	Outdoor fan cone	0-100%t	DIO 96H/50
170	7FS30s6, %t	V-sensor	H7 fan	Outdoor fan cone	0-100%t	DIO 96H/50
171	TEOM VB, %t	Timer V output	OFIS	TEOM H6 and H7	0-100%t	DIO 96H/50
172	6FN21s9, %t	V-sensor	H6 fan	Outdoor fan cone	0-100%t	DIO 96H/50
173	6FN22s11, %t	V-sensor	H6 fan	Outdoor fan cone	0-100%t	DIO 96H/50
174	6FN24s15, %t	V-sensor	H6 fan	Outdoor fan cone	0-100%t	DIO 96H/50
175	6FN25s16, %t	V-sensor	H6 fan	Outdoor fan cone	0-100%t	DIO 96H/50
176	6FN31s14, %t	V-sensor	H6 fan	Outdoor fan cone	0-100%t	DIO 96H/50
177	6FN34s13, %t	V-sensor	H6 fan	Outdoor fan cone	0-100%t	DIO 96H/50
178	6FN35s4, %t	V-sensor	H6 fan	Outdoor fan cone	0-100%t	DIO 96H/50
179	6FN36s10, %t	V-sensor	H6 fan	Outdoor fan cone	0-100%t	DIO 96H/50
180	6FN38s12, %t	V-sensor	H6 fan	Outdoor fan cone	0-100%t	DIO 96H/50
181	6FN39s5, %t	V-sensor	H6 fan	Outdoor fan cone	0-100%t	DIO 96H/50
182	7FS22s10, %t	V-sensor	H7 fan	Outdoor fan cone	0-100%t	DIO 96H/50
183	7FS23s4, %t	V-sensor	H7 fan	Outdoor fan cone	0-100%t	DIO 96H/50
184	7FS25s14, %t	V-sensor	H7 fan	Outdoor fan cone	0-100%t	DIO 96H/50
185	7FS31s15, %t	V-sensor	H7 fan	Outdoor fan cone	0-100%t	DIO 96H/50

Col#	Data file heading	Instrument/sensor	Location	Monitoring/control location	Range / target	DAC hardware
186	7FS32s16, %t	V-sensor	H7 fan	Outdoor fan cone	0-100%t	DIO 96H/50
187	7FS33s9, %t	V-sensor	H7 fan	Outdoor fan cone	0-100%t	DIO 96H/50
188	7FS33s12, %t	V-sensor	H7 fan	Outdoor fan cone	0-100%t	DIO 96H/50
189	7FS35s5, %t	V-sensor	H7 fan	Outdoor fan cone	0-100%t	DIO 96H/50
190	7FS36s13, %t	V-sensor	H7 fan	Outdoor fan cone	0-100%t	DIO 96H/50
191	7FS38s11, %t	V-sensor	H7 fan	Outdoor fan cone	0-100%t	DIO 96H/50
195	NH3, VDC	17C NH3 analyzer	Rack	15 GSLs	0-10	FP-AI-110-1
196	NO, VDC	17C NH3 analyzer	Rack	15 GSLs	0-10	FP-AI-110-1
197	NH3 MSA, VDC	MSA NH3 analyzer	Rack	15 GSLs	0-10	FP-AI-110-1
198	H2S, VDC	45C H2S analyzer	Rack	15 GSLs	0-10	FP-AI-110-1
199	SO2, VDC	45C H2S analyzer	Rack	15 GSLs	0-10	FP-AI-110-1
200	CO2, VDC	MSA CO2 monitor	Rack	15 GSLs	0-10	FP-AI-110-1

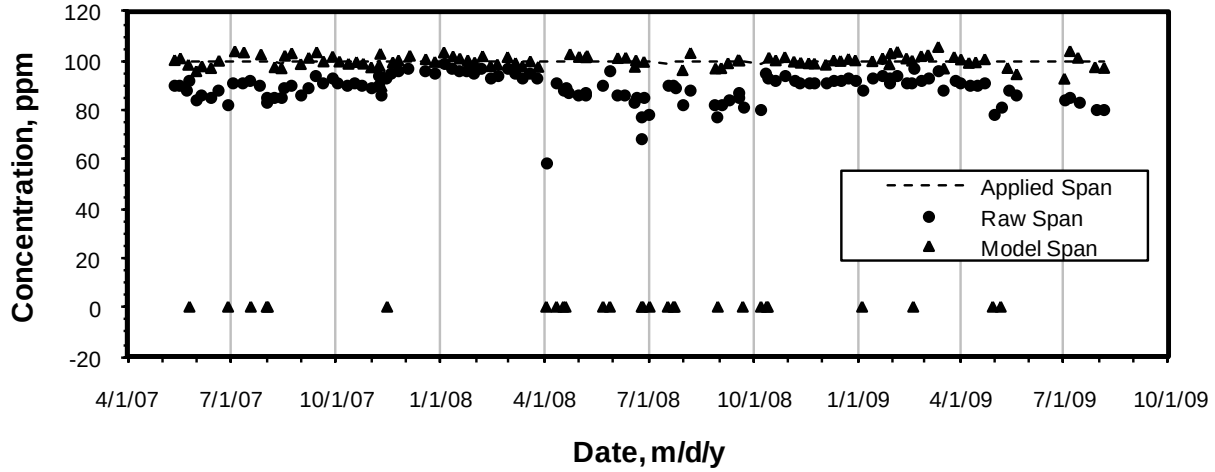
APPENDIX B. RECORD OF MAINTENANCE AND CALIBRATION

Category	Times completed
Environment Sensing and Other	
Clean RH/T probe	106
Calibration check of RH/T probe	3
Calibration check of thermocouples	7
Performance check of weather station	2
Direction verification of wind indicator	2
Clean solar sensor	0
Check solar sensor with collocated sensor	1
Clean motion sensors	8
Air Flow Measurement System	
Fan test events	8
Zero check of pressure sensors (dP)	7
Multipoint calibration of pressures sensors (dP)	6
Drift & accuracy check of anemometer(s)	5
Particulate Matter Measurement System	
Clean TOEM screens	111
Check/clean TEOM inlet head(s)	109
Replace TEOM filters	23
Verify TEOM mass transducer calibration	4
Leak test of TEOM	4
Verify TEOM flow rate & MFC accuracy	4
Change TEOM in-line filters	2
Gas Measurement System	
Clean/replace GSS membrane filters	21
Leak check of GSS	5
Calibration check of all lines	7
Replace GSS filters	11
Calibrate GSS pressure and flow sensors	6
Flow calibration/check MFC flow of Environics Diluter	3
Precision check of Multigas Analyzer	121
Multipoint calibration of Multigas Analyzer	4
Precision check of TEI 45C	122
Multipoint calibration of TEI 45C	13

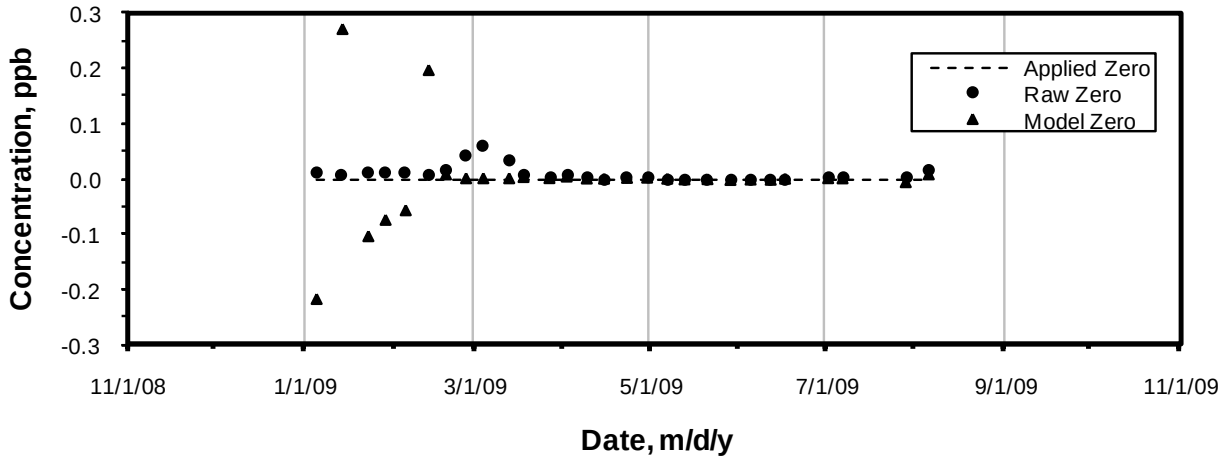
APPENDIX C. GAS ANALYZER CONTROL CHARTS



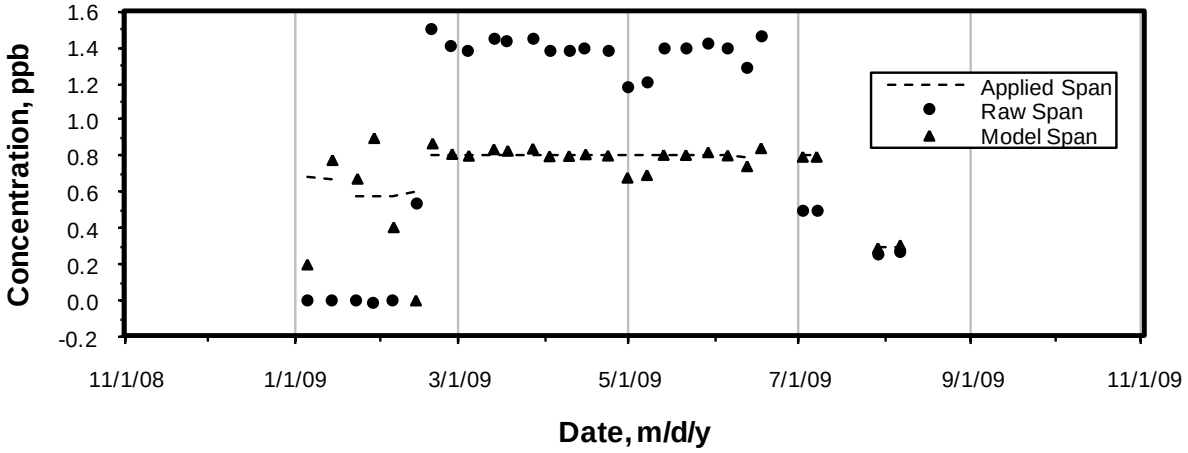
Calibration Chart of NH_3 Zero Checks at IN2H Site (INNOVA SN 710-208)



Calibration Chart of NH_3 Span Checks at IN2H Site (INNOVA SN 710-208)



Calibration Chart of H_2S Zero Checks at IN2H Site (INNOVA SN 710-208)



Calibration Chart of H_2S Span Checks at IN2H Site (INNOVA SN 710-208)

APPENDIX D. ON-FARM SIGNIFICANT EVENTS

H- House, I-Instruments, - Measurements

Date	H	I	M	Events
5/9/07		x		Started using Innova 1412 multi-gas monitor for NH_3 measurements.
5/10/07		x		All the vibration sensors were replaced with new version sensors.
5/12/07			x	Normal NAEMS data collection began.
5/24/07		x		Multi-point calibration of the instrument.
6/12/07		x		In H7, rats or mice chewed on the TEOM RS-232 cable.
6/13/07	x			Approximately 50,000 birds were removed on 6-13-07 from house 7.
7/17/07	x			Manure was removed from house 6 in the southern most alleyways.
7/26/07	x			Manure is being removed from H7.
8/2/07		x		OFIS trailer temperature was 40°C.
8/30/07		x		The OFIS is at 37°C.
9/7/07	x			There is a water leak near H7FN20.
9/26/07			x	The U.S. EPA audited the site.
9/26/07	x			Water was leaking in H6 between H6 FS 42 and 41.
12/18/07		x		The Environics was re-installed.
1/3/08			x	Sampling lines H6 FN27 and H7 FN27 had water in them.
1/3/08		x		The TEI 45C does not respond to H2S.
1/11/08			x	The range of H2S was changed to 2000 ppb from 1000 ppb on the TEI 45C and AirDAC.
2/8/08	x			Water leaking in H7 at the cages between SF11 and SF12, and at NF50.
2/21/08		x		The TEI 45C SO2-H2S analyzer was replaced to another unit.
2/23/08		x		The Innova had a failed chopper.
3/12/08	x			House 6 has wet manure at: H6NF47 windrow B, H6SF49 windrow H, and the center alleyway 3 at the east end.
4/30/08		x		A TEI 45C SO2-H2S analyzer was installed.
5/2/08	x			The bird in house 6 began their molt the week of 4/26/08.
6/11/08			x	The interior temperature of the OFIS is 39°C.
6/20/08		x		The Innova 1412 indicates an IR source temperature out of range error.
7/9/08		x		The Innova has not been running since 7/8/08 at 12:00.
7/23/08	x			Manure is being removed from H6.
11/25/08		x		Started the 45C H2S-SO2 analyzer after repair.
12/2/08			x	Data shows the computer was down at 9:00.
12/4/08		x		The thermal couple broke in the mass transducer.
1/18/09		x		The sampling lines H6 NF6 and H6 SF6 were plugged.
3/4/09	x			There is water leaking from the cages at H6SF6 windrow 9.
3/26/09		x		The Innova went down at 0:06 this on 3-27-09.
3/31/09	x			The birds are being removed from house 6.
4/3/09	x			All birds have been removed from house 6.
4/3/09	x			There is a water leak in H7 on the south side.
5/27/09			x	The interior OFIS temperature is 43°C.
5/29/09		x		The Innova started to have chopper failure, sample flow was too low, or blocked or shunted flow problem.

APPENDIX E. BIOMATERIAL CHARACTERISTICS

Table E1. Layer manure characteristics (mean ± SD).

House	Date	n	pH	Solids, %*	Ammonia, %*
6	3/7/08	7	8.67 ± 0.29	40.4 ± 8.12	0.79 ± 0.24
6	3/7/08	7	8.56 ± 0.20	43.0 ± 11.1	0.73 ± 0.13
6	3/7/08	5	8.87 ± 0.15	42.2 ± 9.80	0.67 ± 0.24
6	5/8/08	7	8.21 ± 0.39	58.7 ± 13.6	0.36 ± 0.17
6	5/8/08	6	7.86 ± 0.62	73.2 ± 12.0	0.21 ± 0.17
6	5/8/08	7	8.40 ± 0.44	57.7 ± 15.6	0.56 ± 0.37
6	7/18/08	7	8.24 ± 0.32	61.2 ± 8.6	0.41 ± 0.13
6	7/18/08	7	8.16 ± 0.46	56.5 ± 5.05	0.54 ± 0.17
6	7/18/08	7	8.20 ± 0.36	51.5 ± 6.92	0.49 ± 0.20
6	10/23/08	6	8.69 ± 0.36	51.6 ± 9.41	0.57 ± 0.11
6	10/23/08	7	8.56 ± 0.12	54.4 ± 9.56	0.58 ± 0.22
6	10/23/08	7	8.26 ± 0.27	54.3 ± 11.8	0.53 ± 0.28
6	2/22/09	21	8.08 ± 0.45	48.4 ± 5.40	0.61 ± 0.12
6	6/12/09	21	7.67 ± 0.40	55.7 ± 11.1	0.83 ± 0.30
6	7/13/09	2	8.32 ± 0.37	58.3 ± 3.04	0.50 ± 0.23
6	8/14/09	21	8.89 ± 0.17	54.7 ± 7.42	0.46 ± 0.10
7	3/7/08	7	8.75 ± 0.20	37.6 ± 2.82	0.67 ± 0.24
7	3/7/08	7	8.73 ± 0.14	43.5 ± 10.4	0.68 ± 0.10
7	3/7/08	6	8.90 ± 0.12	38.0 ± 4.28	0.72 ± 0.09
7	5/8/08	6	8.54 ± 0.34	66.4 ± 9.75	0.62 ± 0.40
7	5/8/08	5	8.57 ± 0.55	64.7 ± 12.7	0.61 ± 0.34
7	5/8/08	6	8.53 ± 0.62	54.1 ± 11.1	0.96 ± 0.28
7	7/18/08	7	8.35 ± 0.22	58.3 ± 8.33	0.43 ± 0.18
7	7/18/08	7	8.28 ± 0.30	65.9 ± 12.2	0.50 ± 0.33
7	7/18/08	7	8.08 ± 0.25	51.2 ± 2.84	0.63 ± 0.33
7	10/23/08	7	8.49 ± 0.41	68.9 ± 13.0	0.33 ± 0.15
7	10/23/08	7	8.49 ± 0.11	49.5 ± 4.17	0.54 ± 0.07
7	10/23/08	6	8.51 ± 0.21	54.0 ± 9.97	0.56 ± 0.09
7	2/22/09	23	8.42 ± 0.51	43.4 ± 7.64	0.75 ± 0.17
7	6/12/09	21	7.96 ± 0.37	52.4 ± 6.42	0.78 ± 0.12
7	7/13/09	2	8.73 ± 0.04	54.4 ± 19.7	0.41 ± 0.16
7	7/13/09	3	7.61 ± 0.29	90.4 ± 0.42	0.18 ± 0.06
7	8/14/09	20	8.84 ± 0.21	45.7 ± 10.3	0.90 ± 0.20

Note: *wet weight basis.

Table E2. Load-out manure characteristics (mean ± SD).

House	Date	n	Solids, %*	TKN, %*	Ash, %*
6	7/24/08	23	77.2 ± 9.34	2.17 ± 0.89	-
6	7/24/08	27	74.7 ± 11.7	2.40 ± 1.11	-
6	7/24/08	25	74.7 ± 7.20	2.31 ± 0.96	-
7	7/30/09	8	84.1 ± 4.36	5.04 ± 1.26	31.1 ± 3.93
7	7/30/09	12	81.9 ± 5.99	4.38 ± 1.46	30.0 ± 4.10
7	7/30/09	5	87.8 ± 1.05	5.07 ± 0.58	30.2 ± 3.65
7	7/30/09	12	86.4 ± 2.72	3.78 ± 1.46	33.5 ± 5.18
7	7/30/09	7	87.9 ± 1.27	4.77 ± 1.45	32.6 ± 1.81
7	7/30/09	8	79.5 ± 9.32	4.00 ± 1.36	29.5 ± 4.95
7	7/30/09	9	87.4 ± 2.98	4.34 ± 1.37	29.7 ± 3.34
7	7/30/09	4	87.6 ± 2.64	4.85 ± 1.10	29.5 ± 5.51
7	7/30/09	9	75.8 ± 6.73	2.81 ± 1.07	40.2 ± 5.88
7	7/30/09	6	87.2 ± 1.66	4.35 ± 1.19	34.4 ± 3.50

Note: *wet weight basis.

Table E3. Feed characteristics (mean ± SD).

House	Date	n	Solids, %*	TKN, %*
6	3/7/08	5	88.1 ± 0.66	2.12 ± 0.29
6	5/8/08	3	88.5 ± 0.25	3.08 ± 0.82
6	7/18/08	4	89.1 ± 0.14	2.09 ± 0.17
6	10/23/08	4	88.7 ± 1.19	1.98 ± 0.16
6	2/22/09	5	88.2 ± 0.89	2.39 ± 0.06
6	6/12/09	3	90.0 ± 0.50	2.99 ± 0.20
6	8/14/09	4	88.7 ± 0.31	1.61 ± 0.84
7	3/7/08	5	88.0 ± 0.72	2.38 ± 0.31
7	5/8/08	4	86.9 ± 0.85	1.40 ± 0.53
7	7/18/08	4	89.6 ± 0.69	2.19 ± 0.23
7	10/23/08	4	89.0 ± 0.47	2.47 ± 0.54
7	2/22/09	3	86.9 ± 0.25	2.39 ± 0.14
7	6/12/09	4	89.2 ± 0.18	2.27 ± 0.25
7	8/14/09	4	89.0 ± 0.27	2.30 ± 0.45

Note: *wet weight basis.

Table E4. Eggs characteristics (mean ± SD).

House	Date	n	Solids, %*	TKN, %*
6	3/7/08	5	23.0 ± 0.39	1.55 ± 0.08
6	5/8/08	3	23.3 ± 0.36	1.93 ± 0.12
6	7/18/08	4	22.4 ± 0.51	1.92 ± 0.07
6	10/23/08	4	22.3 ± 0.44	1.88 ± 0.03
6	2/22/09	4	22.8 ± 1.87	1.91 ± 0.05
6	5/31/09	4	22.6 ± 1.33	1.97 ± 0.06
6	8/14/09	4	22.8 ± 3.87	1.84 ± 0.05
7	3/7/08	5	24.6± 0.97	1.64 ± 0.07
7	5/8/08	4	23.0 ± 0.70	2.05 ± 0.02
7	7/18/08	4	23.3 ± 0.95	2.00 ± 0.04
7	10/23/08	4	22.7 ± 0.69	1.91 ± 0.11
7	2/22/09	4	22.9 ± 1.99	1.88 ± 0.04
7	5/31/09	4	22.6 ± 0.74	1.77 ± 0.02
7	8/14/09	4	22.1± 2.18	1.95 ± 0.03

Note: *wet weight basis.

Table E5. Water characteristics.

Location	Date Sampled	TKN, mg/L	Nitrate/Nitrite, mg/L	Total Nitrogen (TKN + NO_3), mg/L	Total sulfur, mg/L
H6	10/29/2008	n.d.	0.5	0.99	10.1
H7		n.d.	0.5	0.88	9.6
H6	9/6/2009	0.69	0.5	1.19	10.6
H7		n.d.	0.4	0.4	11.2
H6	1/22/2010	n.d.	n.d.	n.d.	10.8
H7		n.d.	n.d.	n.d.	10.9
ARB		n.d.	0.2	0.55	10.8
Well #3		n.d.	n.d.	0.64	8.2

Note: n.d. = not detectable. ARB = After Resin Bed

APPENDIX F. DAILY MEANS

Table F1. Weather parameters.

Table F1. Daily means (SD) of weather parameters at site IN2H for June, 2007.

Day	Temp., °C	RH, %	Wind speed, $m \cdot s^{-1}$	Wind direction, °	Solar, W m^{-2}	Atm P, kPa
1	26.7 (3.1)	56.9 (12.1)	0.26 (0.26)	216 (59)	272 (319)	98.1 (0.3)
2	27.6 (3.6)	53.5 (15.0)	0.71 (0.63)	213 (37)	279 (321)	97.3 (0.3)
3	24.0 (1.8)	68.0 (7.3)	0.30 (0.38)	211 (78)	150 (215)	96.6 (0.2)
4	19.5 (2.0)	79.3 (6.8)	1.16 (0.82)	255 (45)	172 (243)	96.4 (0.2)
5	16.9 (3.6)	66.5 (14.4)	0.77 (0.56)	319 (85)	256 (308)	97.4 (0.3)
6	19.5 (5.8)	54.4 (17.9)	0.18 (0.16)	164 (96)	306 (339)	98.0 (0.2)
7	28.3 (4.3)	46.2 (7.5)	1.47 (0.96)	190 (29)	294 (322)	97.4 (0.2)
8	26.2 (2.9)	57.3 (8.7)	1.44 (0.89)	256 (92)	217 (256)	97.7 (0.4)
9	21.8 (4.2)	48.9 (12.8)	0.13 (0.14)	74 (96)	318 (345)	98.6 (0.1)
10	23.1 (4.4)	43.8 (13.1)	0.12 (0.11)	109 (42)	270 (302)	98.5 (0.1)
11	25.4 (4.3)	41.2 (11.5)	0.17 (0.17)	87 (62)	314 (337)	98.5 (0.1)
12	26.1 (3.9)	44.8 (14.7)	0.29 (0.31)	57 (41)	308 (336)	98.8 (0.1)
13						98.5 (0.1)
14	27.7 (4.0)	43.8 (11.6)	0.19 (0.19)	67 (47)	260 (310)	98.5 (0.0)
15	26.2 (4.1)	43.5 (11.7)	0.18 (0.22)	78 (49)	290 (323)	98.4 (0.2)
16	27.7 (5.1)	39.5 (10.3)	0.14 (0.19)	346 (109)	289 (329)	98.3 (0.1)
17	28.2 (3.5)	53.6 (11.5)	0.26 (0.36)	256 (67)	248 (313)	98.2 (0.1)
18	27.9 (3.0)	56.7 (14.4)	0.68 (0.72)	201 (47)	245 (287)	98.1 (0.1)
19	25.0 (2.2)	62.5 (18.8)	0.78 (0.70)	278 (64)	206 (289)	98.0 (0.2)
20	23.3 (4.0)	48.2 (18.0)	0.31 (0.32)	310 (67)	326 (346)	98.7 (0.1)
21	25.0 (4.7)	49.1 (8.6)	0.53 (0.41)	286 (67)	303 (319)	98.5 (0.1)
22	23.4 (2.9)	46.4 (11.3)	0.17 (0.16)	47 (78)	269 (335)	98.5 (0.1)
23	20.1 (1.1)	64.4 (11.2)	0.30 (0.18)	121 (28)		98.3 (0.1)
24						98.5 (0.0)
25						98.5 (0.0)
26	26.7 (3.3)	72.2 (11.8)	0.38 (0.33)	213 (34)	233 (296)	98.8 (0.1)
27	25.2 (2.9)	76.6 (9.8)	0.58 (0.45)	227 (22)	239 (285)	98.4 (0.2)
28	23.3 (1.4)	83.0 (6.4)	0.44 (0.30)	285 (111)	89 (118)	98.3 (0.1)
29	22.1 (2.4)	65.0 (12.2)	0.25 (0.21)	55 (76)	256 (292)	98.5 (0.1)
30	22.7 (3.3)	56.4 (17.4)	0.11 (0.07)	27 (129)	276 (305)	98.5 (0.1)
Avg	24.4	56.4	0.46	229.0	257	98.2
n	27	27	27	27	26	30
SD	3.0	11.9	0.38	95.0	54	0.6
Min	16.9	39.5	0.11	27.0	89	96.4
Max	28.3	83.0	1.47	346.0	326	98.8

Table F1. Daily means (SD) of weather parameters at site IN2H for July, 2007.

Day	Temp., ºC	RH, %	Wind speed, $m \cdot s^{-1}$	Wind direction, °	Solar, W m^{-2}	Atm P, kPa
1	22.9 (3.4)	49.2 (13.2)	0.36 (0.29)	41 (73)	302 (331)	98.7 (0.1)
2	20.8 (4.1)	49.2 (14.8)	0.24 (0.17)	88 (40)	321 (342)	99.0 (0.2)
3	24.0 (3.8)	46.9 (11.9)	0.26 (0.20)	178 (51)	314 (338)	98.5 (0.2)
4	25.0 (3.2)	65.6 (6.4)	0.42 (0.34)	246 (52)	201 (258)	97.9 (0.1)
5	25.9 (3.9)	65.6 (21.3)	1.19 (0.86)	279 (48)	284 (337)	97.9 (0.1)
6	25.8 (4.1)	55.0 (19.6)	0.25 (0.22)	319 (111)	312 (331)	98.2 (0.1)
7	25.8 (4.3)	51.2 (13.3)	0.19 (0.20)	269 (79)	319 (341)	98.1 (0.2)
8	28.1 (4.2)	57.8 (10.5)	0.88 (0.54)	228 (20)	307 (326)	97.6 (0.2)
9	27.9 (3.7)	64.6 (15.9)	0.88 (0.50)	220 (40)	268 (325)	97.6 (0.1)
10	27.7 (2.9)	66.8 (11.1)	0.79 (0.72)	211 (34)	262 (300)	97.5 (0.2)
11	23.0 (1.4)	61.8 (16.8)	1.48 (1.47)	315 (82)	313 (342)	97.8 (0.3)
12	22.0 (4.3)	55.2 (18.5)	0.87 (0.75)	264 (34)	304 (341)	98.1 (0.1)
13	22.8 (3.2)	54.5 (14.6)	0.20 (0.24)	339 (127)	283 (330)	98.1 (0.1)
14	24.0 (4.0)	53.3 (12.5)	1.18 (1.15)	226 (43)	290 (319)	97.7 (0.3)
15	24.3 (2.8)	51.6 (15.5)	0.22 (0.19)	356 (157)	299 (333)	97.8 (0.1)
16						98.3 (0.2)
17						98.3 (0.3)
18	25.7 (3.2)	74.0 (12.4)	1.01 (1.09)	233 (24)	219 (268)	98.0 (0.3)
19	23.0 (2.1)	77.6 (14.4)	5.88 (4.01)	293 (67)	128 (168)	97.6 (0.2)
20	21.8 (3.8)	56.1 (15.0)	0.40 (0.32)	5 (156)	318 (342)	98.5 (0.1)
21	22.0 (3.5)	56.3 (14.9)	0.17 (0.16)	70 (69)	301 (335)	98.9 (0.1)
22	22.9 (4.1)	51.1 (13.1)	0.13 (0.15)	83 (51)	317 (345)	99.0 (0.2)
23	24.0 (3.7)	51.2 (14.6)	0.10 (0.08)	100 (45)	293 (337)	98.6 (0.2)
24	24.8 (3.5)	52.6 (12.7)	0.09 (0.11)	28 (129)	236 (283)	98.4 (0.1)
25	23.1 (2.8)	68.0 (16.2)	0.13 (0.21)			98.4 (0.1)
26	24.2 (2.4)	75.0 (8.6)	0.33 (0.27)	187 (25)	175 (235)	98.1 (0.2)
27	25.1 (1.7)	77.2 (5.6)	0.35 (0.24)	226 (18)	153 (177)	97.8 (0.3)
28	25.6 (2.7)	73.2 (11.3)	0.16 (0.15)	44 (107)	198 (262)	97.9 (0.1)
29	26.0 (2.9)	63.5 (11.6)	0.20 (0.19)	38 (44)	265 (318)	98.0 (0.1)
30	26.9 (3.3)	56.1 (16.3)	0.28 (0.23)	33 (94)	287 (322)	97.9 (0.1)
31	28.0 (4.2)	55.7 (14.2)	0.21 (0.20)	23 (142)	275 (306)	98.0 (0.1)
Avg	24.6	59.9	0.65	314.0	269	98.1
n	29	29	29	28	28	31
SD	2.0	9.0	1.06	110.0	53	0.4
Min	20.8	46.9	0.09	5.0	128	97.5
Max	28.1	77.6	5.88	356.0	321	99.0

Table F1. Daily means (SD) of weather parameters at site IN2H for August, 2007.

Day	Temp., ºC	RH, %	Wind speed, $m \cdot s^{-1}$	Wind direction, °	Solar, W m^{-2}	Atm P, kPa
1	28.7 (3.9)	58.0 (11.4)	0.10 (0.11)	3 (131)	267 (303)	98.2 (0.2)
2	28.8 (3.5)	59.6 (14.1)	0.18 (0.14)	214 (66)	267 (300)	98.2 (0.1)
3	27.4 (3.8)	61.4 (19.1)	0.24 (0.23)	288 (92)	259 (295)	98.3 (0.1)
4	25.1 (2.8)	51.2 (7.0)	0.08 (0.06)	39 (112)	175 (211)	98.4 (0.1)
5	25.2 (3.0)	79.9 (4.8)	0.38 (0.43)	176 (54)	104 (135)	97.9 (0.2)
6	28.0 (3.0)	76.2 (9.7)	0.14 (0.16)	250 (58)	208 (279)	97.8 (0.1)
7	29.2 (3.4)	71.1 (12.2)	0.60 (0.54)	210 (50)	217 (279)	98.1 (0.4)
8	29.8 (2.8)	68.9 (10.9)	0.13 (0.13)	299 (99)	235 (292)	98.3 (0.3)
9	28.7 (2.6)	72.8 (8.7)	0.42 (0.85)	343 (113)	215 (277)	97.7 (0.1)
10	26.9 (3.4)	69.5 (17.4)	0.32 (0.22)			98.0 (0.2)
11	26.8 (3.7)	67.0 (14.8)	0.10 (0.07)	34 (117)	269 (308)	98.3 (0.1)
12	27.3 (3.6)	65.1 (11.8)	0.26 (0.18)	270 (114)	218 (260)	98.4 (0.1)
13	24.1 (3.1)	57.2 (15.5)	0.27 (0.22)	25 (135)	266 (308)	98.5 (0.1)
14	23.3 (4.3)	67.2 (14.2)	0.31 (0.35)	204 (65)	194 (280)	98.1 (0.2)
15	26.4 (2.6)	71.2 (6.6)	0.17 (0.31)	133 (63)	151 (201)	98.1 (0.3)
16	25.0 (2.1)	79.6 (5.7)	0.28 (0.29)	315 (111)	121 (150)	98.0 (0.2)
17	23.5 (3.1)	62.7 (15.8)	0.54 (0.56)	326 (119)	259 (296)	98.5 (0.1)
18	19.9 (3.2)	59.8 (9.4)	0.30 (0.25)	99 (54)	170 (213)	98.9 (0.2)
19	19.8 (1.9)	80.7 (6.8)	0.48 (0.44)	103 (38)	73 (112)	98.3 (0.1)
20	22.3 (2.0)	88.9 (3.0)	3.75 (1.95)	139 (63)	32 (46)	97.9 (0.1)
21	24.8 (2.7)	82.7 (6.1)	1.74 (0.88)	128 (84)		98.1 (0.2)
22						98.4 (0.1)
23	28.1 (4.0)	69.4 (12.7)	0.50 (0.55)	185 (81)	242 (292)	98.1 (0.1)
24	25.8 (3.5)	76.1 (11.0)	0.65 (0.68)	208 (57)	170 (248)	97.8 (0.1)
25	24.0 (1.8)	79.9 (10.8)	1.50 (0.96)	279 (87)		98.0 (0.3)
26	22.3 (3.0)	63.6 (13.9)	0.13 (0.11)	32 (122)	250 (314)	98.5 (0.1)
27	23.2 (4.0)	66.4 (11.5)	0.08 (0.06)	106 (60)	237 (293)	98.6 (0.1)
28	26.5 (4.8)	62.9 (15.1)	0.16 (0.14)	171 (34)	243 (294)	98.5 (0.1)
29	28.2 (4.4)	63.2 (13.0)	0.17 (0.17)	198 (70)		98.4 (0.1)
30	23.5 (2.0)	69.8 (13.5)	0.44 (0.29)	9 (155)	180 (271)	98.5 (0.1)
31	21.6 (3.8)	57.7 (13.4)	0.25 (0.26)	41 (73)	266 (314)	98.7 (0.1)
Avg	25.5	68.7	0.49	199.0	203	98.2
n	30	30	30	29	26	31
SD	2.7	8.8	0.71	103.0	63	0.3
Min	19.8	51.2	0.08	3.0	32	97.7
Max	29.8	88.9	3.75	343.0	269	98.9

Table F1. Daily means (SD) of weather parameters at site IN2H for September, 2007.

Day	Temp., ºC	RH, %	Wind speed, $m \cdot s^{-1}$	Wind direction, °	Solar, W m^{-2}	Atm P, kPa
1	22.6 (3.6)	59.4 (13.6)	0.20 (0.20)	71 (28)	258 (304)	99.0 (0.1)
2	23.2 (4.7)	60.8 (17.6)	0.10 (0.06)	137 (62)	254 (300)	98.8 (0.1)
3	25.5 (4.1)	55.4 (12.1)	0.15 (0.15)	256 (72)	247 (294)	98.6 (0.1)
4	27.1 (3.6)	52.8 (12.8)	0.09 (0.11)	224 (86)	243 (290)	98.4 (0.1)
5	27.7 (4.6)	54.4 (14.1)	0.17 (0.19)	156 (24)	222 (271)	98.3 (0.1)
6	26.2 (1.6)	62.7 (3.9)	0.47 (0.43)	188 (16)	104 (131)	98.4 (0.1)
7	25.8 (2.5)	71.3 (8.0)	1.14 (0.75)	203 (14)	139 (192)	98.1 (0.2)
8	24.2 (1.1)	84.4 (4.7)	0.45 (0.67)	123 (85)	77 (136)	98.3 (0.1)
9	24.1 (1.5)	78.0 (8.7)	0.26 (0.20)	344 (149)	130 (175)	98.2 (0.1)
10	22.8 (2.6)	72.8 (10.3)	0.17 (0.17)	102 (102)	162 (226)	98.3 (0.2)
11	19.1 (2.1)	67.6 (17.1)	1.33 (1.30)	301 (68)	206 (285)	97.8 (0.1)
12	17.4 (4.3)	62.4 (14.3)	0.09 (0.07)	298 (106)	221 (292)	98.5 (0.2)
13	19.8 (6.3)	57.6 (21.7)	0.17 (0.18)	153 (38)	238 (289)	98.5 (0.2)
14	19.0 (2.5)	56.0 (9.0)	0.66 (0.54)	289 (79)	185 (236)	98.1 (0.2)
15	13.8 (3.6)	61.3 (14.1)	0.21 (0.21)	358 (136)	177 (229)	99.0 (0.2)
16	15.5 (5.5)	57.4 (19.5)	0.12 (0.12)	141 (29)	224 (279)	99.0 (0.1)
17	19.0 (6.4)	55.2 (16.1)	0.33 (0.28)	153 (16)	200 (259)	98.9 (0.1)
18	23.3 (6.2)	51.8 (11.5)	0.30 (0.20)	161 (21)		98.7 (0.1)
19						98.6 (0.1)
20	25.1 (3.4)	61.4 (13.4)	0.13 (0.10)	77 (56)	209 (266)	98.6 (0.2)
21	24.8 (4.1)	61.3 (18.1)	0.30 (0.26)	159 (35)		98.2 (0.2)
22	23.8 (2.5)	46.6 (12.6)	0.33 (0.27)	356 (136)	221 (278)	98.4 (0.3)
23	21.4 (6.1)	50.5 (16.8)	0.27 (0.18)	100 (38)	213 (266)	98.8 (0.1)
24	26.2 (6.3)	52.4 (10.1)	0.42 (0.33)	162 (41)	186 (241)	98.5 (0.2)
25	26.0 (2.5)	70.8 (9.4)	0.87 (0.74)	214 (14)	119 (189)	98.2 (0.1)
26	21.3 (0.9)	81.1 (4.3)	0.87 (2.02)	296 (102)	38 (50)	98.3 (0.1)
27	20.2 (3.2)	66.9 (16.6)	0.18 (0.14)	294 (108)	180 (253)	98.2 (0.1)
28	18.1 (5.2)	60.2 (23.4)	0.37 (0.39)	312 (110)	208 (265)	98.7 (0.3)
29	19.0 (5.9)	56.5 (19.7)	0.22 (0.18)	140 (39)	174 (232)	99.2 (0.1)
30	21.3 (5.9)	50.7 (15.8)	0.54 (0.44)	168 (25)	189 (246)	99.0 (0.2)
Avg	22.2	61.4	0.38	174.0	186	98.5
n	29	29	29	29	27	30
SD	3.5	9.3	0.31	86.0	54	0.3
Min	13.8	46.6	0.09	71.0	38	97.8
Max	27.7	84.4	1.33	358.0	258	99.2

Table F1. Daily means (SD) of weather parameters at site IN2H for October, 2007.

Day	Temp., ºC	RH, %	Wind speed, $m \cdot s^{-1}$	Wind direction, °	Solar, W m^{-2}	Atm P, kPa
1	20.6 (1.7)	63.9 (12.7)	0.87 (0.61)	211 (38)	87 (147)	98.5 (0.1)
2	22.2 (3.5)	68.2 (15.3)	0.38 (0.26)	204 (25)	138 (191)	98.4 (0.2)
3	21.9 (2.8)	62.8 (20.0)	1.30 (1.86)	263 (95)	163 (237)	98.2 (0.3)
4	22.8 (5.7)	59.2 (11.6)	0.19 (0.20)	137 (44)	169 (230)	98.5 (0.1)
5	25.6 (3.4)	67.6 (10.2)	0.12 (0.11)	153 (50)	123 (195)	98.7 (0.1)
6	27.2 (2.7)	66.5 (10.6)	0.21 (0.14)	202 (34)	146 (205)	98.6 (0.1)
7	27.6 (3.4)	61.7 (14.0)	0.11 (0.10)	188 (51)	163 (219)	98.5 (0.1)
8	27.5 (3.2)	57.1 (13.2)	0.34 (0.36)	201 (40)	155 (216)	98.1 (0.3)
9	20.8 (2.6)	59.8 (19.1)	1.16 (0.70)	273 (47)	184 (241)	98.0 (0.2)
10	11.1 (1.8)	70.2 (9.2)	1.13 (0.69)	301 (39)	84 (135)	97.8 (0.1)
11	11.4 (2.5)	80.7 (11.9)	0.82 (0.62)	331 (100)	73 (115)	98.0 (0.3)
12	11.6 (1.6)	67.7 (12.6)	0.22 (0.21)	344 (132)	94 (132)	98.2 (0.1)
13	11.2 (4.5)	71.3 (16.6)	0.15 (0.24)	164 (88)	112 (165)	98.3 (0.1)
14	15.9 (2.5)	63.0 (10.2)	0.16 (0.13)	127 (19)	68 (91)	98.6 (0.1)
15	19.2 (5.9)	60.4 (17.6)	0.28 (0.18)	139 (41)	135 (188)	98.3 (0.1)
16	20.8 (1.1)	68.6 (9.0)	0.38 (0.26)	173 (28)	57 (99)	98.0 (0.0)
17	20.1 (3.7)	72.2 (14.1)	0.32 (0.33)	158 (27)	140 (209)	98.0 (0.3)
18	23.0 (2.6)	74.5 (12.1)	1.67 (0.81)	170 (20)	123 (183)	96.6 (0.3)
19	15.4 (2.0)	78.0 (5.1)	1.82 (0.88)	234 (15)	43 (68)	96.7 (0.5)
20	16.4 (4.2)	58.1 (17.8)	1.00 (0.51)	232 (20)	162 (219)	97.5 (0.2)
21	20.7 (3.8)	47.1 (11.0)	0.81 (0.59)	199 (15)	158 (217)	98.0 (0.1)
22	19.1 (2.5)	62.5 (12.9)	0.33 (0.23)	216 (67)	84 (133)	98.1 (0.2)
23	12.8 (1.8)	80.4 (8.7)	0.58 (0.58)	360 (152)	58 (112)	97.8 (0.1)
24	11.5 (1.9)	74.5 (13.0)	0.36 (0.38)	360 (132)	73 (112)	98.4 (0.3)
25	10.5 (3.8)	72.2 (7.5)	1.50 (0.95)	59 (37)	123 (198)	98.7 (0.2)
26	16.2 (4.4)	69.9 (16.7)	0.44 (0.44)	128 (57)	123 (186)	98.4 (0.2)
27	11.3 (1.6)	86.8 (8.3)	0.94 (0.64)	281 (67)	19 (36)	98.7 (0.5)
28	9.3 (4.6)	68.6 (21.9)	0.12 (0.13)	264 (76)	143 (204)	100.0 (0.1)
29	9.6 (3.4)	57.8 (10.1)	0.49 (0.53)	229 (20)	144 (201)	99.7 (0.2)
30	12.5 (4.8)	59.4 (13.9)	0.27 (0.24)	192 (28)	140 (198)	99.2 (0.3)
31	13.5 (2.9)	65.8 (9.1)	1.05 (0.75)	231 (37)	103 (167)	98.4 (0.2)
Avg	17.4	67.0	0.63	208.0	116	98.3
n	31	31	31	31	31	31
SD	5.7	8.2	0.49	72.0	41	0.7
Min	9.3	47.1	0.11	59.0	19	96.6
Max	27.6	86.8	1.82	360.0	184	100.0

Table F1. Daily means (SD) of weather parameters at site IN2H for November, 2007.

Day	Temp., ºC	RH, %	Wind speed, $m \cdot s^{-1}$	Wind direction, °	Solar, W m^{-2}	Atm P, kPa
1	8.1 (3.7)	59.0 (14.2)	0.32 (0.24)	299 (92)	146 (204)	98.9 (0.2)
2	9.0 (5.3)	62.0 (17.4)	0.10 (0.14)	137 (52)	135 (192)	99.0 (0.2)
3	9.5 (3.4)	57.3 (13.4)	0.34 (0.51)	291 (75)	134 (192)	98.6 (0.1)
4	8.7 (2.4)	60.9 (10.4)	0.52 (0.53)	248 (61)	118 (186)	97.9 (0.2)
5	9.2 (3.0)	60.8 (8.1)	1.21 (0.98)	243 (59)	43 (64)	97.5 (0.3)
6	3.8 (1.4)	64.8 (4.2)	1.71 (0.84)	288 (18)	37 (69)	98.4 (0.4)
7	4.8 (1.7)	64.9 (10.9)	0.26 (0.21)	258 (66)	91 (145)	98.9 (0.2)
8	7.2 (3.2)	62.8 (12.8)	0.43 (0.31)	188 (29)	79 (130)	98.2 (0.3)
9	5.9 (2.4)	72.6 (8.1)	0.74 (0.85)	289 (31)	87 (147)	98.1 (0.2)
10	5.8 (4.1)	77.2 (14.0)	0.13 (0.12)	327 (104)	106 (159)	98.8 (0.2)
11	8.5 (2.3)	83.0 (4.8)	0.64 (0.52)	170 (24)	17 (27)	98.4 (0.2)
12	14.4 (2.3)	86.0 (7.3)	0.71 (0.49)	238 (70)	54 (103)	98.3 (0.1)
13	12.1 (2.6)	79.6 (6.7)	0.30 (0.29)	140 (86)	117 (172)	98.1 (0.3)
14	12.9 (2.7)	65.2 (21.8)	1.30 (0.62)	273 (27)	109 (169)	97.3 (0.1)
15						98.2 (0.4)
16	2.0 (2.1)	75.8 (8.5)	0.27 (0.21)	230 (61)	62 (104)	98.4 (0.2)
17	4.6 (2.2)	80.2 (9.4)	0.25 (0.20)	103 (55)	32 (50)	98.0 (0.2)
18	4.5 (1.2)	83.6 (7.0)	0.49 (0.25)	76 (30)	54 (108)	99.1 (0.2)
19	10.1 (4.5)	85.7 (2.9)	0.63 (0.45)	164 (35)	23 (32)	98.5 (0.4)
20	16.8 (1.3)	83.3 (4.0)	0.68 (0.53)	223 (20)	20 (32)	98.1 (0.2)
21	11.3 (4.1)	91.1 (5.1)	1.18 (1.22)	25 (115)	9 (16)	97.6 (0.1)
22	3.0 (1.4)	86.4 (7.8)	1.41 (1.00)	334 (108)	54 (92)	98.6 (0.6)
23	0.2 (1.3)	81.9 (8.9)	0.29 (0.22)	277 (29)	60 (102)	99.5 (0.1)
24	-0.1 (1.4)	81.4 (6.0)	0.32 (0.35)	217 (22)		99.2 (0.4)
25	1.8 (2.0)	84.7 (7.0)	0.18 (0.11)	201 (34)	45 (74)	98.8 (0.3)
26	3.7 (0.9)	97.4 (2.7)	0.49 (0.30)	360 (135)	15 (28)	98.1 (0.2)
27	1.3 (2.1)	78.1 (14.6)	1.17 (1.07)	289 (90)	98 (149)	99.1 (0.3)
28	3.6 (5.5)	73.3 (9.4)	0.70 (0.51)	164 (39)	49 (73)	98.8 (0.6)
29	-0.8 (2.4)	69.2 (9.9)	1.97 (1.13)	268 (21)	105 (160)	98.9 (0.4)
30	0.4 (2.7)	62.7 (12.4)	1.11 (0.94)	265 (41)	106 (157)	99.3 (0.3)
Avg	6.3	74.9	0.68	248.0	72	98.5
n	29	29	29	29	28	30
SD	4.5	10.8	0.49	78.0	40	0.5
Min	-0.8	57.3	0.10	25.0	9	97.3
Max	16.8	97.4	1.97	360.0	146	99.5

Table F1. Daily means (SD) of weather parameters at site IN2H for December, 2007.

Day	Temp., ºC	RH, %	Wind speed, $m \cdot s^{-1}$	Wind direction, °	Solar, W m^{-2}	Atm P, kPa
1	-2.4 (1.9)	71.5 (9.8)	1.04 (0.93)	114 (76)	35 (65)	99.4 (0.6)
2	7.7 (4.6)	90.8 (5.3)	1.38 (1.36)	212 (53)	19 (41)	97.6 (0.4)
3	-1.7 (1.0)	83.1 (4.3)	2.02 (1.14)	286 (13)	42 (81)	98.8 (0.3)
4	-0.4 (1.5)	86.4 (6.4)	0.22 (0.25)	250 (85)	35 (57)	98.2 (0.4)
5	-4.3 (2.0)		0.95 (0.79)	24 (132)	89 (139)	97.9 (0.6)
6	-5.3 (2.4)	85.7 (6.7)	0.23 (0.19)	198 (40)	91 (145)	98.9 (0.2)
7	-0.3 (0.9)	92.2 (4.1)	0.27 (0.18)	227 (33)	37 (55)	98.7 (0.1)
8	0.1 (0.8)	86.1 (7.8)	0.26 (0.19)	15 (132)	57 (93)	99.3 (0.2)
9	-0.1 (0.8)	92.1 (6.0)	0.29 (0.35)	64 (37)	19 (29)	99.2 (0.2)
10	1.1 (0.8)		0.10 (0.09)	46 (115)	40 (61)	99.2 (0.1)
11	2.5 (1.2)		1.05 (1.69)	116 (100)	10 (15)	98.6 (0.3)
12	2.9 (0.9)		1.82 (1.87)	49 (126)	81 (138)	99.0 (0.2)
13	1.6 (1.1)	90.9 (5.2)	1.26 (0.91)	237 (70)	16 (25)	98.4 (0.2)
14	0.0 (0.6)	80.0 (4.9)	0.70 (0.63)	325 (116)	34 (54)	99.2 (0.3)
15	-1.2 (0.4)		1.25 (0.62)	77 (18)	20 (30)	98.4 (0.8)
16	-3.9 (1.9)		2.36 (1.29)	320 (108)	61 (107)	97.4 (0.7)
17	-6.4 (1.2)		0.81 (0.42)	245 (22)	57 (88)	99.0 (0.1)
18	-0.3 (4.4)		0.44 (0.36)	184 (26)	82 (127)	98.6 (0.3)
19	-1.2 (2.8)	90.3 (5.9)	0.60 (0.55)	240 (52)	66 (102)	98.6 (0.3)
20	-2.4 (3.0)		0.63 (0.48)	108 (12)	81 (128)	98.6 (0.2)
21	0.9 (1.8)	88.0 (5.1)	0.45 (0.24)	102 (13)	36 (60)	98.4 (0.1)
22	7.4 (1.6)		0.48 (0.34)	145 (11)	27 (41)	98.2 (0.4)
23	-0.3 (6.2)	81.4 (10.8)	5.49 (2.11)	229 (37)	39 (75)	97.3 (0.5)
24	-2.7 (1.3)	84.0 (3.9)	2.34 (1.67)	252 (8)	15 (23)	98.4 (0.3)
25	0.6 (2.6)	85.3 (7.9)	0.22 (0.16)	213 (48)	92 (143)	99.0 (0.1)
26	2.7 (3.5)	80.2 (11.3)	0.11 (0.07)	132 (25)	93 (147)	98.5 (0.3)
27	1.9 (0.7)		0.28 (0.24)	274 (90)	16 (26)	98.4 (0.4)
28	1.7 (1.3)		1.22 (1.09)	117 (73)	12 (22)	98.2 (0.6)
29	-1.0 (1.0)	85.2 (1.3)	0.99 (0.76)	261 (18)	24 (38)	98.6 (0.2)
30	-0.2 (1.1)	86.8 (4.5)	0.19 (0.15)	133 (51)	40 (61)	98.3 (0.3)
31	2.1 (1.6)		0.24 (0.31)	179 (46)	65 (106)	97.8 (0.3)
Avg	0.0	85.6	0.96	188.0	46	98.5
n	31	18	31	31	31	31
SD	3.0	5.0	1.05	87.0	27	0.5
Min	-6.4	71.5	0.10	15.0	10	97.3
Max	7.7	92.2	5.49	325.0	93	99.4

Table F1. Daily means (SD) of weather parameters at site IN2H for January, 2008.

Day	Temp., ºC	RH, %	Wind speed, $m \cdot s^{-1}$	Wind direction, °	Solar, W m^{-2}	Atm P, kPa
1						98.2 (0.4)
2						99.5 (0.9)
3	-10.3 (3.4)	91.4 (2.6)	0.56 (0.33)	219 (25)	99 (151)	100.4 (0.3)
4	-1.4 (2.9)	67.8 (8.6)	0.79 (0.39)	208 (16)	83 (136)	99.3 (0.3)
5	4.2 (1.5)	83.0 (13.2)	0.54 (0.30)	196 (14)	20 (31)	98.4 (0.2)
6	11.9 (3.0)		1.15 (0.39)	194 (15)	13 (19)	97.9 (0.2)
7	16.8 (1.4)	82.8 (4.9)	1.34 (0.62)	216 (15)	37 (69)	98.0 (0.1)
8	14.0 (1.9)	93.2 (5.8)	6.71 (3.92)	203 (78)	21 (49)	97.3 (0.4)
9	3.8 (1.0)	85.6 (5.1)	4.43 (6.35)	249 (61)	60 (110)	98.4 (0.5)
10	4.7 (2.8)	90.2 (7.6)	1.26 (1.05)	124 (40)	33 (55)	97.5 (0.9)
11	3.1 (1.5)	86.8 (3.4)	2.19 (1.33)	253 (13)	11 (17)	97.3 (0.6)
12	3.0 (2.1)	79.8 (6.4)	0.20 (0.18)	170 (47)	88 (135)	98.3 (0.1)
13	1.5 (1.2)	91.6 (3.8)	0.64 (0.68)	226 (81)	12 (18)	98.0 (0.1)
14	-3.1 (1.3)	89.9 (3.8)	1.47 (0.50)	269 (12)	26 (43)	98.2 (0.1)
15	-5.4 (1.7)	89.6 (4.7)	1.01 (0.70)	261 (24)	83 (140)	98.6 (0.2)
16	-1.9 (4.2)	80.1 (11.9)	0.42 (0.37)	151 (9)	77 (129)	98.9 (0.1)
17	1.1 (2.7)	89.5 (7.7)	1.18 (1.26)	185 (46)	29 (52)	98.0 (0.4)
18	-4.7 (2.9)	72.5 (11.6)	1.65 (0.86)	243 (21)		98.4 (0.2)
19						98.8 (0.3)
20	-14.0 (3.0)	70.2 (12.2)	1.20 (0.65)	267 (14)	118 (174)	99.8 (0.3)
21	-5.8 (4.7)	66.1 (12.4)	0.60 (0.53)	185 (33)	110 (165)	99.9 (0.6)
22	-4.3 (3.9)		1.97 (1.19)	251 (28)	57 (95)	98.5 (0.2)
23	-8.5 (2.8)	84.5 (8.2)	0.48 (0.36)	248 (63)	104 (155)	98.5 (0.1)
24	-11.6 (2.8)	87.2 (5.9)	0.85 (0.39)	286 (38)	109 (170)	99.1 (0.6)
25	-11.0 (5.9)	76.9 (14.0)	0.32 (0.18)	215 (39)	104 (165)	99.7 (0.3)
26	-2.3 (1.8)	89.3 (6.1)	0.59 (0.36)	198 (37)	52 (81)	98.4 (0.3)
27	-3.3 (2.6)	83.7 (8.5)	0.35 (0.30)	234 (61)	118 (176)	98.6 (0.2)
28	3.1 (4.7)	77.1 (17.9)	0.82 (0.72)	168 (20)	59 (99)	97.9 (0.6)
29	7.3 (5.7)	82.9 (13.2)	2.02 (2.14)	211 (28)	16 (26)	96.1 (0.6)
30	-11.5 (2.1)	77.7 (5.4)	3.13 (2.37)	265 (17)	125 (182)	98.2 (0.8)
31	-6.6 (2.5)	77.7 (9.6)	1.15 (0.96)	79 (44)	38 (62)	99.3 (0.4)
Avg	-1.1	82.6	1.39	218.0	63	98.5
n	28	26	28	28	27	31
SD	7.7	7.5	1.36	46.0	38	0.9
Min	-14.0	66.1	0.20	79.0	11	96.1
Max	16.8	93.2	6.71	286.0	125	100.4

Table F1. Daily means (SD) of weather parameters at site IN2H for February, 2008.

Day	Temp., ºC	RH, %	Wind speed, $m \cdot s^{-1}$	Wind direction, °	Solar, W m^{-2}	Atm P, kPa
1	-1.4 (1.6)		1.14 (0.72)	25 (104)	47 (75)	97.8 (0.4)
2	0.1 (2.4)	88.0 (6.9)	0.53 (0.47)	199 (41)	94 (151)	98.6 (0.2)
3	0.1 (0.8)	95.7 (4.4)	0.73 (0.69)	84 (102)	62 (94)	98.8 (0.2)
4	5.2 (5.0)		0.43 (0.28)	126 (37)	44 (70)	97.9 (0.3)
5	7.0 (3.7)		8.54 (4.79)	358 (128)	21 (36)	97.5 (0.2)
6	1.9 (0.8)		4.78 (2.22)	111 (81)	10 (15)	96.6 (0.3)
7	-0.3 (0.5)	96.2 (3.4)	0.90 (1.09)	271 (42)	31 (47)	97.9 (0.3)
8	2.5 (2.2)	88.8 (8.8)	0.44 (0.50)	199 (31)	72 (118)	97.8 (0.1)
9	2.2 (1.6)	86.3 (8.2)	1.73 (1.15)	246 (34)	57 (98)	97.5 (0.2)
10	-11.8 (4.6)	67.9 (6.7)	3.08 (1.31)	289 (16)	107 (159)	98.9 (0.6)
11	-12.8 (2.7)	83.1 (9.9)	0.49 (0.39)	189 (84)	63 (94)	99.5 (0.2)
12	-7.7 (1.9)		0.99 (0.61)	48 (118)	44 (61)	98.1 (0.5)
13	-6.8 (2.2)		0.30 (0.22)	283 (30)	106 (138)	98.1 (0.2)
14						98.3 (0.2)
15	-1.8 (2.6)	83.1 (5.1)	0.79 (0.54)	318 (60)	137 (201)	99.0 (0.4)
16	-3.4 (4.5)	82.3 (11.4)	0.18 (0.15)	119 (59)	159 (220)	98.9 (0.4)
17	6.7 (4.0)	87.6 (9.1)	2.17 (1.79)	184 (48)	54 (120)	96.5 (0.8)
18	-1.7 (2.9)	78.3 (10.9)	3.01 (1.40)	262 (12)	131 (207)	97.3 (0.4)
19						98.5 (0.0)
20	-6.2 (1.5)	79.0 (17.4)	0.50 (0.56)	346 (140)	163 (241)	98.8 (0.5)
21	-7.7 (1.9)	78.0 (15.2)	0.51 (0.43)	99 (27)	79 (117)	99.1 (0.5)
22	-2.4 (1.9)		0.35 (0.34)	60 (79)		98.1 (0.2)
23	-2.8 (2.6)		0.12 (0.10)	287 (87)	155 (231)	98.6 (0.3)
24	-1.9 (3.2)	85.3 (9.0)	0.23 (0.21)	225 (38)	151 (214)	98.6 (0.2)
25	0.9 (0.9)	90.6 (3.8)	0.54 (0.39)	209 (48)	37 (51)	97.9 (0.3)
26	0.0 (2.1)		1.65 (1.14)	360 (152)	103 (150)	97.3 (0.3)
27	-6.5 (2.0)	84.2 (6.8)	0.64 (0.57)	292 (26)	138 (199)	98.2 (0.2)
28	-7.5 (3.0)	84.0 (13.2)	0.24 (0.14)	223 (51)	170 (242)	98.9 (0.2)
29	0.6 (2.5)		1.17 (0.91)	215 (58)	80 (116)	98.3 (0.3)
Avg	-2.1	84.6	1.34	245.0	89	98.2
n	27	17	27	27	26	29
SD	5.0	6.6	1.77	95.0	48	0.7
Min	-12.8	67.9	0.12	25.0	10	96.5
Max	7.0	96.2	8.54	360.0	170	99.5

Table F1. Daily means (SD) of weather parameters at site IN2H for March, 2008.

Day	Temp., ºC	RH, %	Wind speed, $m \cdot s^{-1}$	Wind direction, °	Solar, W m^{-2}	Atm P, kPa
1	-0.2 (1.6)	73.5 (7.5)	0.53 (0.65)	273 (73)	129 (197)	98.8 (0.2)
2						98.3 (0.4)
3	8.8 (6.0)		1.09 (0.51)	247 (81)	18 (30)	97.6 (0.3)
4	-1.0 (1.0)		1.67 (1.12)	36 (94)	41 (65)	97.7 (0.3)
5	-2.3 (2.6)		0.45 (0.36)	251 (66)	188 (259)	98.0 (0.3)
6	0.4 (1.4)	86.8 (9.9)	0.36 (0.29)	255 (47)	134 (201)	98.6 (0.2)
7	-1.9 (1.1)	71.7 (11.2)	0.94 (0.64)	20 (119)	129 (180)	98.7 (0.2)
8	-5.1 (1.5)	71.8 (8.3)	1.27 (0.81)	336 (140)	188 (269)	98.1 (0.3)
9	-1.8 (4.4)	79.1 (9.7)	0.23 (0.19)	194 (40)		98.9 (0.3)
10	2.5 (2.0)	84.7 (8.8)	0.22 (0.25)	31 (113)	149 (231)	99.2 (0.1)
11	0.5 (2.8)	82.4 (10.4)	0.64 (0.49)	246 (32)	193 (258)	98.6 (0.6)
12	4.3 (2.3)	76.1 (11.6)	0.36 (0.33)	88 (94)		98.0 (0.3)
13	8.3 (4.4)	74.3 (10.8)	0.87 (0.59)	222 (51)	192 (263)	97.4 (0.1)
14	11.4 (2.7)	68.9 (13.8)	0.17 (0.13)	276 (83)	175 (230)	97.2 (0.1)
15	6.5 (2.0)	68.7 (6.2)	0.26 (0.20)	14 (150)	55 (73)	97.6 (0.2)
16	4.3 (2.6)	72.1 (12.3)	0.33 (0.20)	9 (159)	223 (292)	99.2 (0.5)
17	2.3 (1.7)	80.7 (11.5)	0.90 (0.55)	112 (15)	71 (106)	99.6 (0.4)
18	9.7 (3.9)	94.4 (5.2)	0.52 (0.43)	148 (87)	25 (36)	97.8 (0.4)
19	4.6 (1.3)		1.28 (0.55)	350 (151)	37 (48)	97.5 (0.2)
20	4.0 (3.3)	68.5 (21.8)	0.61 (0.65)	315 (102)	236 (295)	98.8 (0.3)
21	2.0 (1.3)	79.7 (12.3)	1.53 (1.02)	86 (24)	80 (149)	98.6 (0.5)
22	1.6 (2.9)		0.56 (0.46)	26 (134)	179 (251)	98.7 (0.4)
23	1.5 (2.7)	73.5 (12.2)	0.23 (0.28)	305 (91)	178 (243)	99.1 (0.1)
24	2.0 (2.8)	73.1 (16.5)	0.19 (0.15)	313 (114)	177 (263)	99.3 (0.2)
25	6.4 (3.8)	62.3 (8.9)	1.93 (1.59)	224 (37)	103 (142)	98.2 (0.4)
26	7.7 (3.0)	61.9 (12.0)	0.36 (0.36)	268 (50)	209 (272)	98.5 (0.1)
27	5.7 (1.8)		1.87 (2.60)	67 (41)	40 (72)	97.9 (0.2)
28	3.2 (2.3)	71.1 (16.8)	1.06 (0.80)	6 (166)	245 (315)	98.8 (0.5)
29	2.6 (3.2)	71.4 (13.5)	0.93 (0.76)	80 (42)	215 (270)	99.5 (0.1)
30	6.0 (4.5)	83.7 (10.0)	0.85 (0.55)	123 (25)	48 (70)	98.9 (0.2)
31	15.8 (1.3)	93.7 (6.6)	0.95 (0.60)	184 (17)	51 (84)	97.9 (0.5)
Avg	3.7	76.0	0.77	329.0	132	98.4
n	30	24	30	30	28	31
SD	4.4	8.3	0.50	112.0	72	0.6
Min	-5.1	61.9	0.17	6.0	18	97.2
Max	15.8	94.4	1.93	350.0	245	99.6

Table F1. Daily means (SD) of weather parameters at site IN2H for April, 2008.

Day	Temp., ºC	RH, %	Wind speed, $m \cdot s^{-1}$	Wind direction, °	Solar, W m^{-2}	Atm P, kPa
1	6.8 (4.4)	82.3 (7.9)	2.31 (1.34)	288 (53)	35 (47)	98.2 (0.9)
2	4.4 (3.4)	62.3 (16.8)	0.25 (0.23)	93 (72)	253 (304)	99.7 (0.2)
3	6.8 (3.7)	66.1 (16.0)	0.62 (0.50)	93 (21)	146 (235)	98.6 (0.6)
4	7.5 (1.2)		0.39 (0.25)	0 (146)	26 (33)	97.6 (0.2)
5	10.6 (5.1)	69.9 (19.8)	0.13 (0.08)	186 (61)	241 (298)	98.3 (0.1)
6	12.5 (4.7)	62.4 (14.0)	0.23 (0.25)	115 (19)	251 (309)	98.1 (0.2)
7	14.6 (3.7)	60.4 (17.8)	0.90 (0.94)	225 (76)	249 (303)	98.0 (0.2)
8	14.8 (6.2)	60.4 (11.8)	0.77 (0.55)	118 (67)	149 (201)	98.2 (0.4)
9	9.5 (3.6)	76.6 (8.4)	1.07 (1.04)	292 (100)	121 (162)	98.5 (0.4)
10	7.3 (1.7)	91.9 (7.2)	2.50 (2.28)	96 (15)	32 (43)	98.2 (0.5)
11	15.4 (4.7)	68.1 (12.1)	6.00 (6.12)	203 (53)	214 (276)	96.7 (0.2)
12	5.0 (1.1)	87.7 (8.2)	1.90 (0.98)	251 (17)	67 (88)	97.1 (0.3)
13	4.1 (1.1)	82.9 (11.0)	0.70 (0.52)	357 (160)	77 (103)	98.1 (0.4)
14	6.5 (4.4)	60.4 (19.1)	0.35 (0.25)	8 (161)	253 (318)	98.9 (0.1)
15	9.2 (4.9)	52.2 (15.3)	0.39 (0.39)	222 (66)	278 (325)	99.0 (0.3)
16	15.2 (4.9)	41.9 (10.9)	0.87 (0.64)	191 (18)	277 (322)	98.4 (0.2)
17	18.8 (4.9)	47.7 (7.7)	0.71 (0.59)	209 (21)	242 (287)	98.2 (0.1)
18	21.1 (4.2)	47.9 (13.8)	0.59 (0.58)	169 (19)	263 (309)	97.9 (0.2)
19	15.4 (1.7)	76.1 (11.1)	0.25 (0.27)	186 (61)	79 (127)	97.6 (0.2)
20	15.7 (4.0)	78.0 (15.6)	0.25 (0.17)	221 (64)	172 (266)	97.9 (0.2)
21	17.9 (4.6)	68.9 (25.4)	0.20 (0.18)	135 (19)	257 (319)	98.4 (0.1)
22	20.5 (4.7)	58.9 (19.7)	0.22 (0.24)	162 (40)	207 (256)	98.3 (0.1)
23	22.1 (3.8)	54.1 (10.8)	0.33 (0.32)	86 (61)	220 (275)	98.7 (0.1)
24	19.5 (4.5)	42.1 (16.5)	1.01 (0.63)	118 (20)	214 (258)	98.6 (0.3)
25	24.1 (3.0)	57.0 (11.9)	1.19 (0.95)	195 (24)	192 (224)	97.7 (0.3)
26	12.2 (3.5)	62.4 (18.0)	2.02 (1.03)	256 (15)	254 (326)	98.1 (0.4)
27	12.4 (3.4)	48.6 (15.3)	0.34 (0.26)	325 (115)	219 (282)	98.5 (0.2)
28	8.5 (3.0)	72.5 (19.5)	0.55 (0.55)	286 (65)	139 (228)	97.8 (0.1)
29	6.5 (2.4)	69.6 (21.6)	0.54 (0.49)	339 (120)	226 (284)	98.4 (0.2)
30	10.5 (5.5)	49.3 (11.5)	0.21 (0.20)	133 (69)	279 (331)	98.3 (0.3)
Avg	12.5	64.1	0.93	184.0	188	98.2
n	30	29	30	30	30	30
SD	5.6	13.2	1.14	89.0	79	0.5
Min	4.1	41.9	0.13	0.0	26	96.7
Max	24.1	91.9	6.00	357.0	279	99.7

Table F1. Daily means (SD) of weather parameters at site IN2H for May, 2008.

Day	Temp., ºC	RH, %	Wind speed, $m \cdot s^{-1}$	Wind direction, °	Solar, W m^{-2}	Atm P, kPa
1	18.6 (5.5)	58.1 (10.5)	0.61 (0.66)	166 (44)	163 (244)	97.4 (0.2)
2	21.2 (1.7)	68.8 (10.7)	0.96 (0.66)	192 (25)	102 (163)	97.1 (0.2)
3	14.6 (3.4)	71.0 (11.6)	1.79 (1.52)	230 (47)	183 (276)	97.2 (0.4)
4	14.0 (4.8)	57.9 (23.6)	0.34 (0.28)	236 (25)	304 (343)	98.3 (0.1)
5	17.5 (4.5)	46.6 (12.0)	0.77 (0.61)	235 (68)	250 (301)	98.3 (0.1)
6	21.9 (4.8)	44.8 (15.9)	0.42 (0.49)	203 (33)	240 (297)	98.0 (0.2)
7	19.3 (1.0)	73.5 (16.1)	0.80 (0.62)	218 (49)	48 (57)	97.3 (0.2)
8	12.6 (2.0)	78.7 (7.2)	0.96 (0.49)	49 (81)	66 (83)	97.3 (0.1)
9	14.2 (2.7)	64.6 (6.4)	0.33 (0.26)	27 (131)	90 (113)	97.4 (0.1)
10	16.1 (4.3)	54.1 (12.6)	0.34 (0.31)	96 (100)	249 (303)	97.7 (0.2)
11	12.3 (1.6)	88.6 (10.5)	1.46 (0.95)	63 (119)	42 (62)	96.1 (0.6)
12	12.2 (4.2)	72.3 (15.1)	0.83 (0.61)	338 (108)	306 (348)	97.8 (0.3)
13	17.7 (5.2)	61.3 (19.7)	0.54 (0.51)	156 (23)	299 (338)	98.3 (0.2)
14	14.2 (1.8)	91.6 (8.7)	2.25 (1.58)	248 (61)	43 (51)	97.8 (0.2)
15	12.4 (1.8)	74.2 (11.1)	0.65 (0.48)	61 (93)	133 (161)	98.2 (0.1)
16	15.4 (4.1)	63.9 (24.3)	0.66 (0.38)	295 (57)	294 (346)	97.8 (0.2)
17	17.9 (3.3)	52.4 (17.6)	1.57 (1.01)	286 (83)	280 (355)	96.9 (0.1)
18	11.6 (1.4)	66.4 (15.3)	1.40 (1.17)	315 (85)	250 (313)	96.8 (0.2)
19	12.8 (3.7)	55.3 (20.8)	0.41 (0.45)	278 (71)	241 (279)	97.1 (0.1)
20	12.9 (1.6)	58.6 (7.3)	0.46 (0.43)	303 (96)	110 (132)	96.9 (0.1)
21	13.1 (2.4)	55.4 (12.4)	0.90 (0.85)	313 (101)	284 (342)	97.0 (0.2)
22	15.8 (3.6)	52.3 (10.7)	0.45 (0.36)	338 (135)	299 (338)	97.7 (0.3)
23	16.0 (3.2)	64.8 (11.0)	0.19 (0.16)	337 (110)	148 (197)	98.3 (0.1)
24	17.3 (4.7)	53.9 (19.0)	0.27 (0.28)	78 (56)	304 (342)	98.6 (0.1)
25	20.9 (6.3)	47.8 (17.6)	0.36 (0.28)	171 (42)	279 (316)	98.2 (0.3)
26	24.5 (2.9)	56.9 (8.7)	1.16 (0.84)	231 (30)		97.8 (0.4)
27						98.5 (0.3)
28	14.5 (5.2)	45.8 (17.8)	0.50 (0.40)	74 (25)	338 (363)	99.1 (0.2)
29	19.0 (6.1)	38.1 (16.2)	0.10 (0.10)	118 (69)	279 (326)	98.7 (0.2)
30	22.5 (4.2)	57.5 (17.1)	1.10 (1.04)	185 (51)	148 (207)	97.8 (0.4)
31	22.9 (2.4)	72.6 (20.3)	2.66 (3.05)	259 (34)	267 (325)	97.5 (0.1)
Avg	16.5	61.6	0.84	253.0	208	97.7
n	30	30	30	30	29	31
SD	3.6	12.4	0.60	95.0	93	0.7
Min	11.6	38.1	0.10	27.0	42	96.1
Max	24.5	91.6	2.66	338.0	338	99.1

Table F1. Daily means (SD) of weather parameters at site IN2H for June, 2008.

Day	Temp., ºC	RH, %	Wind speed, $m \cdot s^{-1}$	Wind direction, °	Solar, W m^{-2}	Atm P, kPa
1	22.6 (3.4)	55.5 (15.6)	0.30 (0.30)	337 (131)	312 (336)	97.9 (0.1)
2	24.3 (5.0)	52.3 (16.4)	0.28 (0.37)	179 (58)	286 (332)	97.9 (0.2)
3	22.4 (2.7)	78.3 (11.2)	0.30 (0.25)	124 (66)	111 (124)	97.2 (0.3)
4	25.2 (3.0)	75.2 (14.2)	0.46 (0.31)	192 (56)	211 (266)	97.0 (0.2)
5	27.8 (2.9)	66.5 (9.5)	1.29 (0.98)	208 (38)	238 (279)	97.5 (0.1)
6	27.8 (3.2)	62.1 (10.7)	1.75 (1.13)	208 (13)	259 (326)	97.6 (0.2)
7	25.4 (1.9)	74.8 (7.0)	1.18 (0.54)	213 (14)	124 (170)	98.1 (0.1)
8	29.2 (2.8)	62.7 (12.1)	1.62 (0.84)	218 (9)	279 (307)	97.7 (0.3)
9	27.2 (2.7)	66.8 (12.3)	1.15 (0.73)	224 (54)	223 (308)	97.3 (0.1)
10	23.1 (2.6)	67.2 (19.9)	0.80 (0.62)	261 (41)	285 (338)	97.6 (0.2)
11	26.5 (3.7)	52.9 (14.8)	0.38 (0.27)	188 (34)	314 (342)	98.2 (0.1)
12	27.8 (4.0)	55.8 (9.9)	0.70 (0.45)	167 (18)	250 (263)	98.2 (0.1)
13	24.9 (2.6)	76.2 (7.3)	0.65 (0.36)	203 (25)	94 (144)	98.1 (0.1)
14	24.9 (3.0)	56.4 (25.9)	0.23 (0.14)	255 (53)	324 (351)	98.0 (0.1)
15	24.3 (3.3)	55.9 (14.3)	0.75 (0.93)	230 (46)	242 (312)	97.7 (0.2)
16	21.3 (3.0)	61.6 (16.8)	0.78 (0.72)	305 (58)	286 (323)	97.6 (0.2)
17	18.6 (3.4)	57.4 (17.1)	0.80 (0.82)	287 (41)	306 (347)	97.9 (0.1)
18	19.9 (3.4)	54.0 (14.3)	0.74 (0.78)	321 (83)	324 (351)	97.7 (0.0)
19	20.7 (5.1)	54.3 (20.0)	0.26 (0.24)	302 (105)	299 (334)	97.8 (0.1)
20	24.6 (4.4)	42.0 (13.7)	0.20 (0.21)	215 (67)	285 (328)	98.0 (0.1)
21	22.8 (2.6)	63.2 (10.3)	0.50 (0.71)	252 (62)	202 (250)	98.1 (0.1)
22	20.8 (3.4)	63.9 (13.6)	0.19 (0.29)	247 (84)	184 (264)	97.8 (0.1)
23	20.6 (3.5)	65.8 (15.8)	0.42 (0.48)	320 (64)	309 (347)	98.1 (0.2)
24	21.6 (5.0)	65.8 (21.4)	0.09 (0.07)	289 (93)	268 (310)	98.7 (0.1)
25	24.1 (2.3)	68.7 (6.0)	0.40 (0.35)	198 (56)	114 (181)	98.4 (0.3)
26	25.3 (1.6)	71.5 (8.2)	0.28 (0.33)	227 (53)	162 (228)	97.8 (0.1)
27	25.5 (2.5)	74.7 (10.1)	0.39 (0.41)	212 (25)	190 (254)	97.6 (0.2)
28	24.7 (2.4)	69.2 (21.0)	1.05 (0.62)	242 (20)	249 (322)	97.3 (0.1)
29	21.0 (1.9)	67.6 (10.0)	1.06 (0.83)	265 (53)	205 (271)	97.1 (0.1)
30	20.1 (3.5)	56.6 (19.6)	1.26 (0.86)	333 (85)	273 (304)	97.7 (0.2)
Avg	23.8	63.2	0.68	239.0	240	97.8
n	30	30	30	30	30	30
SD	2.7	8.5	0.44	52.0	66	0.4
Min	18.6	42.0	0.09	124.0	94	97.0
Max	29.2	78.3	1.75	337.0	324	98.7

Table F1. Daily means (SD) of weather parameters at site IN2H for July, 2008.

Day	Temp., ºC	RH, %	Wind speed, $m \cdot s^{-1}$	Wind direction, °	Solar, W m^{-2}	Atm P, kPa
1	21.9 (6.1)	46.8 (14.2)	0.34 (0.27)	247 (46)	329 (353)	98.0 (0.2)
2	25.4 (3.7)	58.5 (9.4)	1.31 (1.05)	216 (16)	265 (314)	97.6 (0.1)
3	22.7 (1.9)	71.3 (12.4)	0.53 (0.44)	356 (129)	199 (289)	98.1 (0.3)
4	21.6 (3.6)	62.8 (19.3)	0.25 (0.20)	60 (34)	318 (356)	98.4 (0.1)
5	22.5 (4.3)	57.9 (15.9)	0.16 (0.16)	72 (60)	299 (349)	98.3 (0.1)
6	25.3 (4.8)	58.1 (10.7)	0.26 (0.22)	154 (47)	291 (333)	98.1 (0.2)
7	26.9 (2.5)	64.6 (6.9)	0.73 (0.50)	203 (25)	256 (307)	97.7 (0.1)
8	26.5 (2.0)	75.8 (8.7)	0.99 (0.98)	241 (39)	168 (228)	97.4 (0.1)
9	24.5 (1.7)	62.2 (19.4)	0.70 (0.57)	298 (52)	314 (348)	98.0 (0.2)
10	25.4 (3.7)	57.4 (10.0)	0.47 (0.40)	223 (28)	258 (316)	98.2 (0.1)
11	26.4 (3.6)	65.0 (7.9)	0.41 (0.36)	227 (49)	258 (314)	98.2 (0.2)
12	26.8 (2.0)	73.6 (9.3)	0.66 (0.51)	246 (52)	219 (301)	97.6 (0.2)
13	23.8 (2.2)	54.6 (11.9)	0.94 (0.70)	280 (29)	327 (354)	97.6 (0.1)
14	23.6 (4.0)	56.6 (16.0)	0.48 (0.44)	286 (86)	309 (352)	97.7 (0.1)
15	26.9 (4.7)	53.7 (13.6)	0.36 (0.28)	195 (39)	323 (344)	98.0 (0.1)
16	29.1 (2.9)	59.1 (11.1)	0.50 (0.34)	223 (23)		98.3 (0.1)
17	28.6 (3.1)	60.1 (12.6)	0.44 (0.34)	221 (24)	304 (333)	98.3 (0.1)
18	28.0 (3.3)	55.9 (13.8)	0.44 (0.39)	212 (22)	313 (341)	98.3 (0.1)
19	27.1 (1.2)	68.0 (5.0)	0.25 (0.22)	218 (52)	135 (142)	98.0 (0.1)
20	26.9 (2.3)	71.2 (10.7)	0.62 (0.78)	256 (48)	298 (343)	97.9 (0.1)
21	25.8 (1.8)	73.8 (10.5)	0.38 (0.51)	277 (82)	182 (236)	97.9 (0.1)
22	24.5 (2.8)	66.2 (13.4)	0.32 (0.32)	333 (116)	297 (337)	98.0 (0.1)
23	23.0 (3.8)	60.4 (18.3)	0.42 (0.34)	347 (133)	287 (333)	98.3 (0.1)
24	23.1 (5.2)	56.0 (23.2)	0.22 (0.18)	262 (57)	292 (313)	98.3 (0.1)
25	23.7 (5.0)	64.3 (15.6)	0.23 (0.21)	205 (34)	227 (289)	98.3 (0.1)
26	26.2 (2.9)	64.6 (16.0)	0.42 (0.34)	303 (98)	236 (298)	98.0 (0.1)
27	24.1 (4.6)	56.9 (16.5)	0.19 (0.18)	247 (39)	283 (317)	97.9 (0.1)
28	26.3 (2.9)	60.8 (7.8)	0.09 (0.07)	212 (75)	239 (277)	97.8 (0.1)
29	27.8 (3.9)	59.6 (16.1)	0.20 (0.22)	221 (83)	290 (334)	97.8 (0.2)
30	26.5 (1.8)	69.4 (6.9)	0.66 (0.48)	238 (38)	157 (192)	97.2 (0.1)
31	26.6 (3.4)	68.6 (15.8)	0.41 (0.40)	272 (41)	267 (337)	97.4 (0.1)
Avg	25.4	62.4	0.46	245.0	265	98.0
n	31	31	31	31	30	31
SD	2.0	6.7	0.26	63.0	53	0.3
Min	21.6	46.8	0.09	60.0	135	97.2
Max	29.1	75.8	1.31	356.0	329	98.4

Table F1. Daily means (SD) of weather parameters at site IN2H for August, 2008.

Day	Temp., ºC	RH, %	Wind speed, $m \cdot s^{-1}$	Wind direction, °	Solar, W m^{-2}	Atm P, kPa
1	26.3 (3.0)	73.9 (11.4)	0.34 (0.81)	254 (55)	180 (274)	97.5 (0.1)
2	24.8 (3.0)	63.6 (22.4)	0.84 (0.96)	354 (146)	302 (336)	97.8 (0.2)
3	24.8 (3.7)	60.6 (15.4)	0.14 (0.13)	126 (71)	290 (335)	98.2 (0.1)
4	24.4 (1.9)	73.4 (6.6)	0.42 (0.60)	175 (57)	104 (123)	98.1 (0.1)
5	24.6 (2.3)	79.9 (8.8)	0.61 (0.51)	255 (47)	178 (267)	98.0 (0.1)
6	25.3 (3.2)	68.0 (21.2)	0.20 (0.17)	308 (58)	274 (327)	98.2 (0.1)
7	23.4 (2.8)	64.0 (11.5)	0.64 (0.63)	313 (49)	281 (329)	98.0 (0.0)
8	21.9 (3.6)	62.4 (15.2)	0.32 (0.26)	336 (97)	287 (334)	98.1 (0.1)
9	20.7 (3.9)	71.7 (15.5)	0.33 (0.37)	264 (26)	234 (291)	97.9 (0.1)
10	19.3 (3.3)	65.2 (15.9)	0.49 (0.52)	341 (113)	299 (333)	98.0 (0.1)
11	21.5 (4.6)	62.6 (17.9)	0.14 (0.10)	358 (152)	265 (319)	98.2 (0.1)
12	23.4 (3.5)	59.5 (14.6)	0.07 (0.06)	20 (120)	257 (290)	97.9 (0.2)
13	22.9 (2.0)	62.5 (8.3)	0.08 (0.09)	356 (136)	141 (157)	97.6 (0.0)
14	22.7 (3.6)	66.1 (14.7)	0.12 (0.21)	1 (135)	209 (257)	97.8 (0.2)
15	22.4 (4.1)	58.0 (19.9)	0.21 (0.16)	17 (150)	294 (336)	98.5 (0.2)
16	23.3 (4.0)	54.6 (15.7)	0.20 (0.20)	321 (92)	289 (327)	98.6 (0.1)
17	23.4 (3.8)	57.2 (14.7)	0.30 (0.21)	245 (21)	283 (320)	98.3 (0.1)
18	24.5 (3.6)	61.1 (10.7)	0.34 (0.24)	245 (17)	258 (295)	98.2 (0.0)
19	25.0 (3.8)	60.8 (16.0)	0.09 (0.08)	343 (108)	224 (286)	98.4 (0.1)
20	22.4 (4.8)	50.1 (18.5)	0.36 (0.21)	102 (19)	285 (317)	98.6 (0.1)
21	24.3 (5.0)	62.0 (9.3)	0.31 (0.18)	133 (45)	203 (231)	98.2 (0.1)
22	26.7 (1.7)	67.8 (6.1)	0.13 (0.21)	168 (46)	130 (155)	98.5 (0.1)
23	28.3 (3.4)	61.9 (13.1)	0.25 (0.27)	200 (40)	242 (295)	98.4 (0.1)
24	25.7 (3.3)	58.9 (14.8)	0.39 (0.35)	327 (93)	275 (319)	98.1 (0.1)
25	21.3 (3.9)	59.4 (16.4)	0.52 (0.39)	59 (60)	257 (302)	98.3 (0.1)
26	20.3 (5.4)	56.6 (19.7)	0.64 (0.49)	75 (17)	288 (327)	98.2 (0.1)
27	23.5 (4.9)	63.0 (16.6)	0.18 (0.11)	78 (47)	238 (287)	97.9 (0.1)
28	24.3 (3.6)	67.2 (11.4)	0.14 (0.13)	177 (65)	207 (263)	97.7 (0.1)
29	26.4 (3.2)	57.4 (17.1)	0.42 (0.38)	331 (129)	237 (295)	97.8 (0.2)
30	25.4 (4.5)	45.5 (17.1)	0.14 (0.10)	30 (135)	274 (313)	98.4 (0.1)
31	25.7 (5.0)	43.3 (14.7)	0.23 (0.26)	116 (36)	268 (307)	98.5 (0.2)
Avg	23.8	61.9	0.31	346.0	244	98.1
n	31	31	31	31	31	31
SD	2.0	7.5	0.19	118.0	52	0.3
Min	19.3	43.3	0.07	1.0	104	97.5
Max	28.3	79.9	0.84	358.0	302	98.6

Table F1. Daily means (SD) of weather parameters at site IN2H for September, 2008.

Day	Temp., ºC	RH, %	Wind speed, $m \cdot s^{-1}$	Wind direction, °	Solar, W m^{-2}	Atm P, kPa
1	25.3 (5.6)	42.7 (18.2)	0.22 (0.16)	109 (30)	275 (314)	98.5 (0.2)
2	27.1 (5.6)	52.3 (17.5)	0.19 (0.15)	57 (107)	260 (302)	98.2 (0.2)
3	26.5 (3.7)	63.5 (11.8)	0.70 (1.50)	328 (127)	178 (255)	97.8 (0.1)
4	23.6 (1.5)	75.2 (6.3)	0.63 (0.53)	113 (48)	67 (88)	97.5 (0.3)
5	22.6 (1.5)	73.4 (9.9)	1.76 (2.55)	321 (103)	128 (166)	97.7 (0.4)
6	21.5 (3.2)	61.1 (14.3)	0.20 (0.20)	337 (131)	237 (307)	98.1 (0.1)
7	20.1 (1.9)	63.4 (13.8)	0.33 (0.32)	272 (43)	206 (291)	98.4 (0.1)
8	19.8 (3.2)	67.8 (11.7)	0.23 (0.25)	218 (98)	134 (192)	98.5 (0.2)
9	17.4 (3.1)	64.9 (17.5)	0.29 (0.24)	358 (164)	223 (294)	98.6 (0.1)
10	17.5 (4.6)	56.6 (16.6)	0.27 (0.23)	100 (38)	231 (292)	98.8 (0.1)
11	20.4 (6.1)	61.8 (16.7)	0.25 (0.18)	143 (36)	186 (271)	98.6 (0.2)
12	22.8 (0.6)	85.4 (2.4)	2.04 (2.11)	221 (28)	57 (70)	98.2 (0.1)
13	26.5 (3.0)	70.9 (13.8)	1.83 (0.93)	196 (45)	145 (210)	97.6 (0.2)
14	22.6 (3.6)	79.0 (7.2)	1.23 (1.56)	228 (61)	39 (36)	96.8 (0.6)
15	18.9 (2.4)	72.7 (11.6)	0.47 (0.31)	323 (94)	143 (216)	98.3 (0.3)
16	19.4 (3.2)	61.9 (15.5)	0.11 (0.10)	330 (131)	219 (275)	98.8 (0.1)
17	20.8 (4.9)	58.8 (12.9)	0.34 (0.30)	261 (72)	234 (281)	98.8 (0.1)
18	19.5 (3.6)	60.8 (17.7)	0.31 (0.29)	76 (54)	229 (284)	99.1 (0.1)
19	19.6 (5.9)	56.4 (19.0)	0.09 (0.06)	114 (39)	206 (252)	99.0 (0.2)
20	22.6 (4.2)	55.2 (11.7)	0.08 (0.06)	201 (94)	177 (216)	98.7 (0.1)
21	22.8 (4.1)	59.9 (15.9)	0.18 (0.16)	72 (81)	206 (270)	98.8 (0.1)
22	21.2 (4.7)	65.6 (17.8)	0.34 (0.17)	91 (21)	206 (258)	99.2 (0.2)
23	21.4 (6.0)	55.5 (23.7)	0.18 (0.13)	113 (28)	217 (266)	99.3 (0.2)
24	23.0 (5.5)	48.8 (15.6)	0.10 (0.07)	121 (68)	206 (254)	99.2 (0.1)
25	22.3 (4.8)	47.0 (15.7)	0.16 (0.15)	92 (41)	209 (256)	99.1 (0.1)
26	20.5 (4.6)	53.4 (22.1)	0.37 (0.35)	51 (30)	213 (268)	98.7 (0.2)
27	21.6 (4.3)	57.1 (18.7)	0.27 (0.26)	20 (134)	212 (262)	98.3 (0.1)
28	21.1 (4.7)	62.7 (17.1)	0.14 (0.12)	2 (147)	179 (237)	98.5 (0.1)
29	18.8 (3.7)	73.3 (13.4)	0.47 (0.45)	314 (101)	105 (154)	98.1 (0.2)
30	15.0 (1.7)	73.8 (15.0)	0.68 (0.67)	293 (34)	105 (154)	97.8 (0.1)
Avg	21.4	62.7	0.48	50.0	181	98.4
n	30	30	30	30	30	30
SD	2.7	9.6	0.52	108.0	59	0.6
Min	15.0	42.7	0.08	2.0	39	96.8
Max	27.1	85.4	2.04	358.0	275	99.3

Table F1. Daily means (SD) of weather parameters at site IN2H for October, 2008.

Day	Temp., ºC	RH, %	Wind speed, $m \cdot s^{-1}$	Wind direction, °	Solar, W m^{-2}	Atm P, kPa
1	12.7 (2.2)	70.6 (13.6)	0.65 (0.55)	322 (73)	115 (162)	97.8 (0.1)
2	12.7 (3.0)	62.6 (16.5)	0.69 (0.62)	270 (27)	158 (226)	97.8 (0.1)
3	12.7 (1.6)	69.0 (4.2)	0.13 (0.11)	44 (88)	46 (59)	98.2 (0.3)
4						98.6 (0.2)
5	13.6 (5.8)	54.5 (17.9)	0.16 (0.13)	86 (29)	135 (190)	99.0 (0.1)
6	16.0 (3.5)	56.7 (13.4)	0.82 (0.37)	95 (9)	118 (153)	99.1 (0.1)
7	16.6 (4.9)	64.0 (16.7)	0.67 (0.41)	117 (30)	100 (136)	98.5 (0.5)
8	16.5 (2.7)	82.8 (3.7)	1.99 (1.76)	230 (48)	51 (89)	97.6 (0.2)
9	15.6 (5.4)	61.6 (27.7)	0.30 (0.23)	307 (109)	190 (242)	98.3 (0.2)
10	16.5 (5.9)	39.5 (18.6)	0.25 (0.24)	110 (21)	188 (240)	98.8 (0.1)
11	20.4 (6.9)	49.7 (10.9)	0.22 (0.20)	131 (32)	156 (213)	99.1 (0.1)
12	21.9 (6.2)	48.9 (19.0)	0.20 (0.25)	137 (32)	178 (229)	99.3 (0.1)
13	23.7 (3.9)	46.6 (7.7)	0.30 (0.27)	190 (29)	144 (189)	99.1 (0.2)
14	20.2 (1.9)	59.4 (12.7)	0.31 (0.32)	311 (118)	97 (138)	98.9 (0.1)
15	18.4 (3.9)	76.0 (9.4)	0.42 (0.55)	181 (85)	69 (121)	98.3 (0.2)
16	14.0 (1.5)	65.3 (14.9)	0.37 (0.29)	352 (149)	138 (207)	98.7 (0.2)
17	13.1 (1.9)	59.3 (12.9)	0.11 (0.11)	69 (68)	110 (182)	98.9 (0.1)
18	12.1 (3.2)	56.8 (14.7)	0.13 (0.15)	64 (77)	149 (218)	99.1 (0.1)
19	11.4 (4.9)	55.0 (17.0)	0.19 (0.18)	162 (19)	164 (217)	99.2 (0.2)
20	12.9 (4.3)	59.5 (15.3)	0.60 (0.57)	238 (82)	143 (204)	98.7 (0.1)
21	9.1 (3.5)	57.6 (18.1)	0.28 (0.32)	0 (159)	168 (225)	99.2 (0.1)
22	6.1 (3.8)	59.3 (14.2)	0.55 (0.47)	93 (17)	166 (223)	99.6 (0.1)
23	8.5 (5.4)	55.2 (19.1)	0.83 (0.33)	104 (8)	147 (212)	99.3 (0.3)
24	10.8 (1.0)	78.2 (16.1)	0.43 (0.28)	152 (26)	11 (21)	98.2 (0.3)
25	7.6 (0.9)	83.5 (7.2)	0.91 (0.56)	223 (11)	51 (84)	97.6 (0.1)
26	9.3 (3.3)	59.9 (16.1)	2.18 (1.28)	254 (28)	117 (201)	97.4 (0.3)
27	4.4 (1.6)	76.0 (9.0)	1.55 (0.72)	300 (37)	71 (128)	98.6 (0.3)
28	2.9 (1.5)	79.8 (14.9)	0.74 (0.70)	301 (28)	41 (64)	99.0 (0.2)
29	4.8 (3.4)	64.1 (12.0)	0.73 (0.62)	298 (37)	133 (195)	98.7 (0.2)
30	8.3 (6.1)	62.4 (24.4)	0.21 (0.19)	182 (44)	146 (196)	99.5 (0.2)
31	15.0 (4.8)	53.8 (6.9)	0.53 (0.31)	220 (13)	137 (187)	99.3 (0.1)
Avg	12.9	62.3	0.58	171.0	121	98.7
n	30	30	30	30	30	31
SD	5.1	10.7	0.51	95.0	47	0.6
Min	2.9	39.5	0.11	0.0	11	97.4
Max	23.7	83.5	2.18	352.0	190	99.6

Table F1. Daily means (SD) of weather parameters at site IN2H for November, 2008.

Day	Temp., ºC	RH, %	Wind speed, $m \cdot s^{-1}$	Wind direction, °	Solar, W m^{-2}	Atm P, kPa
1	15.1 (3.7)	63.1 (7.1)		308 (103)	117 (171)	99.2 (0.0)
2	14.5 (4.9)	65.0 (10.6)		133 (35)	118 (168)	99.1 (0.2)
3	18.5 (3.0)	51.2 (9.6)		207 (23)	124 (173)	98.9 (0.1)
4	17.3 (4.1)	47.9 (11.4)		187 (28)	132 (176)	98.8 (0.2)
5	17.0 (4.9)	48.5 (12.0)		163 (18)	131 (180)	98.4 (0.2)
6	17.5 (4.8)	51.3 (14.2)		160 (23)	110 (159)	98.0 (0.2)
7	12.3 (3.9)	60.9 (17.6)		235 (22)	144 (188)	97.4 (0.2)
8	4.3 (1.2)	74.2 (12.5)		247 (13)	34 (51)	97.2 (0.2)
9	2.3 (0.8)	85.8 (8.3)		262 (11)	25 (30)	98.0 (0.3)
10	0.3 (1.6)	68.2 (6.9)		255 (61)	85 (145)	99.0 (0.2)
11	1.2 (3.1)	75.9 (9.0)	0.22 (0.20)	124 (20)	45 (64)	99.3 (0.2)
12	8.3 (3.6)	81.7 (8.9)	0.45 (0.33)	138 (21)	30 (54)	98.4 (0.4)
13						97.8 (0.5)
14	11.5 (1.2)	88.5 (8.6)	0.73 (0.37)	231 (68)	9 (22)	97.1 (0.1)
15	4.9 (1.2)	78.9 (4.9)	1.62 (0.74)	336 (114)	15 (31)	97.4 (0.3)
16	1.5 (0.5)	77.3 (8.6)	1.52 (0.90)	261 (14)	70 (130)	98.2 (0.1)
17	0.3 (1.1)	86.9 (9.4)	0.84 (0.74)	317 (28)	32 (59)	98.9 (0.3)
18	-2.7 (1.9)	84.6 (14.3)	0.14 (0.13)	308 (82)	98 (171)	99.7 (0.2)
19	1.5 (2.7)	70.9 (8.1)	0.67 (0.57)	208 (50)	65 (127)	98.4 (0.5)
20	1.0 (2.2)	75.8 (11.6)	1.80 (0.73)	326 (42)	38 (83)	98.6 (0.2)
21	-4.0 (1.2)	79.4 (8.4)	0.68 (0.39)	300 (31)	70 (124)	99.5 (0.3)
22	-4.1 (2.5)	74.1 (6.8)	0.23 (0.16)	203 (44)	48 (91)	99.8 (0.2)
23	-0.4 (4.4)	66.0 (12.9)	0.27 (0.24)	182 (24)	100 (158)	99.1 (0.3)
24	2.2 (1.1)	85.2 (11.5)	0.82 (0.65)	237 (57)	8 (23)	97.7 (0.3)
25	1.4 (0.9)	78.7 (9.5)	1.51 (0.92)	298 (15)	52 (104)	98.1 (0.3)
26	1.4 (2.1)	73.7 (12.0)	0.40 (0.28)	250 (22)	100 (159)	98.2 (0.1)
27	2.4 (3.0)	73.9 (9.8)	0.61 (0.59)	239 (31)	90 (147)	97.9 (0.2)
28	1.6 (2.2)	73.3 (9.6)	0.81 (0.38)	259 (16)	101 (161)	97.9 (0.1)
29	2.4 (3.5)	67.4 (15.0)	0.13 (0.12)	170 (66)	87 (142)	97.7 (0.3)
30	0.9 (0.8)	89.1 (14.7)	0.66 (0.49)	112 (59)	17 (32)	96.0 (0.5)
Avg	5.2	72.3	0.74	232.0	72	98.3
n	29	29	19	29	29	30
SD	6.9	11.7	0.51	63.0	41	0.8
Min	-4.1	47.9	0.13	112.0	8	96.0
Max	18.5	89.1	1.80	336.0	144	99.8

Table F1. Daily means (SD) of weather parameters at site IN2H for December, 2008.

Day	Temp., ºC	RH, %	Wind speed, $m \cdot s^{-1}$	Wind direction, °	Solar, W m^{-2}	Atm P, kPa
1	-0.6 (1.8)	95.9 (4.6)	1.59 (0.87)	263 (29)	45 (78)	96.4 (0.8)
2						98.3 (0.2)
3	2.0 (1.5)	83.0 (10.6)	0.72 (0.27)	214 (25)	40 (81)	97.9 (0.2)
4	-4.1 (2.1)	79.4 (7.8)	1.36 (0.77)	296 (20)	76 (140)	98.7 (0.3)
5	-9.3 (1.0)	80.7 (6.7)	1.04 (0.60)	244 (20)	65 (118)	98.5 (0.0)
6	-4.3 (1.9)	87.6 (7.6)	1.76 (0.99)	240 (49)	20 (35)	98.5 (0.0)
7	-7.2 (2.3)	80.8 (5.6)	0.61 (0.42)	242 (56)	97 (156)	98.5 (0.0)
8	-0.9 (2.9)	75.3 (3.2)	0.44 (0.22)	143 (12)	36 (55)	98.5 (0.0)
9	6.3 (1.9)	86.8 (15.5)	0.85 (0.44)	214 (69)	5 (10)	98.5 (0.0)
10	-0.9 (1.3)	84.6 (5.7)	0.90 (0.71)	16 (144)	46 (82)	98.5 (0.0)
11	-2.7 (2.0)	89.6 (6.7)	0.35 (0.43)	343 (110)	50 (84)	98.5 (0.0)
12	-4.3 (2.6)	78.9 (6.4)	0.91 (0.61)	286 (37)	55 (101)	98.5 (0.0)
13	-0.9 (5.0)	72.3 (12.5)	0.81 (0.61)	180 (17)	28 (53)	98.5 (0.0)
14	6.8 (2.7)	72.5 (8.9)	1.15 (0.43)	195 (10)	7 (19)	98.5 (0.0)
15	-4.5 (7.7)	84.9 (3.6)	2.14 (1.17)	270 (28)	38 (77)	98.5 (0.0)
16						98.5 (0.0)
17	-5.5 (1.2)	97.8 (0.7)	0.71 (0.57)	256 (37)	40 (75)	98.5 (0.0)
18	-6.5 (1.4)	96.3 (0.9)	0.09 (0.09)	100 (96)	55 (97)	98.7 (0.2)
19						98.0 (0.7)
20						98.5 (0.0)
21						98.5 (0.0)
22						98.9 (0.6)
23	-3.7 (4.3)	89.7 (6.7)	0.89 (0.79)	169 (18)		98.7 (0.6)
24	1.7 (5.1)	91.1 (9.0)	2.29 (1.64)	222 (41)	17 (26)	97.7 (0.5)
25	-7.9 (3.0)	81.1 (4.4)	0.48 (0.56)	226 (77)	96 (148)	99.4 (0.2)
26	3.3 (5.4)	90.2 (8.7)	0.68 (0.34)	147 (29)	14 (24)	98.4 (0.3)
27	15.9 (2.2)	86.7 (8.0)	1.52 (0.65)	193 (27)	38 (73)	97.4 (0.4)
28	1.7 (4.0)	79.8 (5.1)	3.00 (2.33)	241 (20)	52 (96)	98.0 (0.7)
29	2.5 (2.2)	75.4 (7.8)	1.14 (0.95)	241 (32)	94 (143)	98.2 (0.3)
30	2.4 (2.6)	77.1 (11.3)	0.78 (0.95)	202 (62)	89 (143)	97.8 (0.7)
31	-4.5 (2.4)	76.0 (6.0)	1.89 (1.24)	324 (58)	56 (95)	98.8 (0.7)
Avg	-1.0	83.7	1.12	230.0	48	98.3
n	25	25	25	25	24	31
SD	5.4	7.2	0.67	69.0	27	0.5
Min	-9.3	72.3	0.09	16.0	5	96.4
Max	15.9	97.8	3.00	343.0	97	99.4

Table F1. Daily means (SD) of weather parameters at site IN2H for January, 2009.

Day	Temp., ºC	RH, %	Wind speed, $m \cdot s^{-1}$	Wind direction, °	Solar, W m^{-2}	Atm P, kPa
1	-3.0 (3.6)	71.4 (12.8)	0.95 (0.57)	170 (30)	44 (70)	98.4 (0.6)
2	-0.7 (1.6)	69.0 (8.1)	1.05 (0.77)	271 (65)	58 (91)	97.7 (0.3)
3	-2.2 (3.1)	71.1 (8.7)	1.30 (0.88)	98 (11)	69 (119)	98.2 (0.1)
4	1.8 (1.8)	88.3 (8.7)	1.35 (0.82)	0 (98)	15 (22)	98.1 (0.4)
5	-3.7 (1.6)	72.1 (6.9)	0.44 (0.47)	268 (75)	100 (156)	95.1 (7.1)
6	-2.8 (1.4)	87.4 (9.1)	0.64 (0.53)	97 (15)	18 (29)	
7	-2.4 (2.0)	93.2 (7.2)	1.59 (1.17)	256 (55)	25 (44)	
8	-8.5 (1.5)	86.7 (2.4)	1.35 (0.66)	267 (16)	49 (75)	
9	-4.8 (2.6)	91.0 (5.2)	0.66 (0.50)	145 (58)	52 (98)	98.8 (0.1)
10	-2.8 (1.1)	91.6 (5.8)	1.00 (0.44)	41 (130)	23 (36)	98.5 (0.2)
11	-4.3 (0.7)	92.1 (5.4)	0.29 (0.20)	260 (45)	58 (89)	98.9 (0.1)
12	-3.1 (2.0)	88.0 (3.2)	0.34 (0.27)	215 (68)	55 (83)	99.0 (0.3)
13	-6.3 (6.0)	86.6 (7.3)	1.85 (1.11)	277 (35)	82 (126)	98.6 (0.5)
14	-12.8 (2.4)	87.9 (1.4)	0.55 (0.42)	88 (102)	60 (81)	98.9 (0.4)
15	-18.4 (2.4)	82.8 (2.3)	1.23 (0.51)	262 (11)		99.8 (0.7)
16						98.5 (0.0)
17						98.5 (0.0)
18						98.1 (0.3)
19	-9.4 (2.4)	84.3 (9.6)	0.38 (0.33)	294 (35)	106 (170)	97.8 (0.1)
20	-11.1 (1.9)	83.9 (7.3)	0.30 (0.20)	314 (80)	103 (163)	98.5 (0.3)
21	-7.5 (4.4)	81.6 (7.6)	0.79 (0.39)	228 (12)	102 (160)	98.6 (0.2)
22	-1.3 (2.6)	79.8 (6.3)	0.62 (0.41)	220 (32)	115 (174)	98.3 (0.1)
23	0.4 (1.9)	77.7 (4.1)	1.42 (0.95)	269 (55)	96 (166)	98.3 (0.5)
24	-7.9 (2.7)	79.2 (5.6)	0.77 (0.63)	307 (29)	83 (137)	99.7 (0.2)
25	-12.9 (2.0)	77.6 (6.6)	0.37 (0.23)	264 (19)	76 (120)	99.8 (0.1)
26	-9.4 (2.4)	76.6 (6.2)	0.12 (0.07)	294 (58)	66 (101)	100.0 (0.1)
27	-7.6 (1.1)	81.0 (7.7)	0.33 (0.27)	56 (100)	37 (60)	99.6 (0.4)
28	-7.7 (1.9)	90.8 (3.8)	0.75 (0.42)	311 (119)	95 (159)	98.3 (0.2)
29	-5.9 (2.7)	89.4 (4.3)	1.89 (0.85)	236 (16)	65 (101)	98.3 (0.1)
30	-10.4 (2.0)	78.6 (5.8)	1.02 (0.45)	265 (11)	139 (196)	98.7 (0.2)
31	-7.5 (6.8)	79.7 (7.2)	0.92 (0.64)	215 (19)	110 (169)	98.4 (0.5)
Avg	-6.2	82.8	0.87	264.0	70	97.2
n	28	28	28	28	27	31
SD	4.5	6.8	0.48	88.0	32	4.5
Min	-18.4	69.0	0.12	0.0	15	81.0
Max	1.8	93.2	1.89	314.0	139	100.0

Table F1. Daily means (SD) of weather parameters at site IN2H for February, 2009.

Day	Temp., ºC	RH, %	Wind speed, $m \cdot s^{-1}$	Wind direction, °	Solar, W m^{-2}	Atm P, kPa
1	2.4 (1.7)	72.2 (7.1)	0.98 (0.91)	250 (9)	115 (178)	97.3 (0.3)
2	-3.9 (1.9)	80.2 (8.3)	0.78 (0.53)	252 (14)	121 (182)	97.7 (0.1)
3	-8.2 (1.5)	82.7 (6.8)	0.57 (0.48)	309 (65)	109 (164)	98.5 (0.0)
4	-10.5 (2.2)	83.1 (6.2)	0.47 (0.40)	305 (72)	121 (176)	98.9 (0.3)
5	-10.0 (4.4)	75.9 (11.1)	0.47 (0.35)	200 (33)	136 (196)	98.9 (0.4)
6	-1.0 (6.2)	69.7 (7.0)	0.26 (0.22)	161 (22)	135 (198)	98.1 (0.2)
7	9.0 (1.7)	82.7 (4.6)	1.53 (0.64)	226 (12)	76 (122)	97.6 (0.2)
8	3.6 (2.2)	83.1 (6.7)	0.29 (0.32)	315 (100)	57 (80)	98.6 (0.3)
9	4.4 (4.5)	87.8 (8.0)	0.42 (0.33)	130 (17)	71 (105)	98.2 (0.5)
10	13.3 (1.5)	79.6 (4.8)	0.88 (0.55)	198 (19)	93 (145)	97.2 (0.1)
11	11.7 (3.7)	88.1 (5.1)	2.07 (2.26)	180 (53)	17 (41)	96.1 (0.7)
12	3.2 (1.8)	74.2 (8.1)	2.64 (1.27)	277 (17)	140 (208)	97.6 (0.4)
13	2.1 (2.6)	73.3 (9.0)	0.30 (0.24)	308 (115)	152 (219)	98.1 (0.1)
14	1.0 (1.0)	81.2 (9.3)	0.67 (0.53)	352 (141)	56 (97)	97.9 (0.3)
15	-1.1 (1.9)	75.7 (12.0)	0.25 (0.24)	327 (102)	107 (180)	98.5 (0.1)
16	-1.9 (2.0)	74.0 (13.1)	0.23 (0.15)	315 (104)	124 (204)	98.9 (0.1)
17	1.7 (3.8)	66.8 (10.7)	0.68 (0.42)	169 (18)	117 (184)	97.8 (0.6)
18	4.7 (2.4)	85.1 (9.6)	1.02 (0.95)	251 (63)	15 (36)	95.9 (0.4)
19	-7.2 (1.7)	76.6 (7.0)	2.45 (1.13)	302 (22)	135 (191)	97.4 (0.4)
20	-6.4 (2.4)	71.5 (8.6)	0.61 (0.47)	251 (46)	156 (216)	98.0 (0.1)
21	-3.5 (2.4)	85.1 (8.4)	2.06 (1.52)	200 (55)	50 (77)	97.4 (0.3)
22	-6.1 (1.9)	80.0 (6.5)	1.33 (0.73)	277 (21)	150 (218)	98.5 (0.5)
23	-6.9 (3.6)	81.7 (7.1)	0.14 (0.11)	252 (60)	154 (226)	99.3 (0.1)
24	-2.0 (4.1)	75.7 (12.3)	0.41 (0.40)	149 (10)	165 (231)	98.9 (0.3)
25	6.1 (5.5)	65.1 (9.6)	0.38 (0.27)	188 (32)	120 (182)	98.1 (0.2)
26	8.9 (2.6)	91.6 (7.9)	1.08 (1.02)	164 (53)	31 (62)	97.6 (0.7)
27	2.8 (5.6)	83.7 (5.7)	2.10 (1.16)	321 (98)	35 (63)	97.4 (0.9)
28	-2.8 (1.6)	71.6 (6.4)	1.02 (0.71)	52 (39)	130 (206)	98.6 (0.1)
Avg	0.1	78.5	0.93	250.0	103	98.0
n	28	28	28	28	28	28
SD	6.3	6.5	0.71	71.0	44	0.8
Min	-10.5	65.1	0.14	52.0	15	95.9
Max	13.3	91.6	2.64	352.0	165	99.3

Table F1. Daily means (SD) of weather parameters at site IN2H for March, 2009.

Day	Temp., ºC	RH, %	Wind speed, $m \cdot s^{-1}$	Wind direction, °	Solar, W m^{-2}	Atm P, kPa
1	-4.0 (1.8)	69.8 (11.9)	1.06 (0.76)	10 (159)	166 (243)	98.8 (0.2)
2	-7.1 (2.7)	63.1 (9.5)	0.57 (0.46)	20 (123)	194 (261)	99.2 (0.1)
3	-5.4 (3.4)	62.0 (12.6)	0.07 (0.06)	129 (86)	184 (253)	99.2 (0.1)
4	1.5 (4.5)	54.7 (13.6)	0.26 (0.18)	159 (23)	157 (227)	98.7 (0.2)
5	11.6 (5.6)	54.3 (7.7)	1.22 (0.76)	189 (28)	101 (350)	97.6 (0.4)
6	15.5 (2.0)	71.2 (6.0)	1.07 (0.66)	232 (65)	79 (129)	97.4 (0.2)
7	14.6 (3.3)	74.0 (9.8)	0.56 (0.58)	172 (88)	59 (118)	97.4 (0.3)
8	9.4 (2.9)	88.3 (12.5)	2.21 (1.83)	90 (92)	33 (81)	96.9 (0.4)
9	5.1 (2.3)	79.0 (5.9)	0.93 (1.14)	58 (112)	88 (124)	98.2 (0.3)
10	12.3 (5.4)	86.0 (5.9)	0.95 (0.66)	157 (67)	61 (124)	97.2 (0.4)
11	0.3 (3.3)	71.6 (5.4)	2.77 (1.16)	283 (16)	173 (229)	98.5 (0.7)
12	-1.9 (1.9)	64.7 (4.9)	0.50 (0.46)	6 (152)	144 (197)	99.6 (0.1)
13	0.1 (4.1)	67.7 (12.6)	0.20 (0.21)	87 (59)	212 (271)	99.0 (0.2)
14	4.2 (3.9)	61.1 (14.1)	0.14 (0.12)	99 (27)	168 (224)	98.3 (0.2)
15	8.0 (4.7)	52.2 (14.8)	0.30 (0.26)	92 (17)	216 (276)	98.1 (0.1)
16	11.4 (6.2)	50.1 (9.3)	0.14 (0.13)	114 (69)	185 (252)	98.2 (0.1)
17	15.0 (4.7)	56.9 (14.3)	0.87 (0.80)	208 (32)	210 (265)	98.1 (0.2)
18	12.9 (2.6)	64.6 (8.0)	0.49 (0.41)	293 (105)	127 (207)	98.0 (0.2)
19	6.0 (3.3)	49.4 (13.1)	1.00 (0.89)	342 (105)	236 (295)	98.6 (0.2)
20	1.2 (3.8)	58.5 (13.2)	0.26 (0.23)	78 (90)	221 (285)	99.1 (0.1)
21	7.6 (5.9)	53.7 (15.0)	0.20 (0.16)	151 (58)	203 (272)	99.0 (0.1)
22	10.8 (5.4)	49.0 (14.1)	0.40 (0.64)	129 (34)		98.9 (0.1)
23	6.2 (4.3)	54.6 (16.8)	2.15 (0.57)	102 (7)	170 (233)	98.7 (0.2)
24	11.8 (6.4)	40.2 (9.3)	1.55 (0.66)	125 (16)	127 (181)	97.8 (0.4)
25	13.2 (3.3)	69.9 (15.0)	1.44 (0.99)	234 (54)	142 (213)	97.0 (0.1)
26	10.0 (3.3)	60.4 (12.6)	0.25 (0.28)	333 (109)	171 (260)	97.4 (0.1)
27	11.3 (4.5)	59.6 (12.1)	0.23 (0.40)	78 (109)	156 (209)	97.4 (0.1)
28	6.9 (3.7)	67.8 (13.1)	1.84 (1.57)	59 (43)	105 (159)	96.7 (0.7)
29	3.4 (1.7)	86.9 (7.0)	2.32 (1.42)	265 (68)	48 (65)	95.9 (0.7)
30	5.8 (4.3)	66.9 (18.4)	0.33 (0.30)	273 (88)	246 (301)	97.7 (0.2)
31	9.1 (2.7)	67.1 (7.8)	1.08 (0.55)	137 (42)	49 (61)	97.0 (0.4)
Avg	6.7	63.7	0.88	113.0	148	98.0
n	31	31	31	31	30	31
SD	6.1	11.3	0.73	92.0	60	0.9
Min	-7.1	40.2	0.07	6.0	33	95.9
Max	15.5	88.3	2.77	342.0	246	99.6

Table F1. Daily means (SD) of weather parameters at site IN2H for April, 2009.

Day	Temp., ºC	RH, %	Wind speed, $m \cdot s^{-1}$	Wind direction, °	Solar, W m^{-2}	Atm P, kPa
1	9.0 (3.0)	55.7 (15.5)	1.48 (1.44)	227 (27)	254 (309)	97.9 (0.6)
2	13.7 (3.7)	50.2 (17.1)	0.76 (0.67)	115 (59)	151 (209)	97.5 (0.7)
3	6.4 (2.1)	79.6 (12.5)	2.30 (1.70)	330 (96)	109 (156)	97.1 (0.8)
4	6.1 (3.9)	62.2 (13.6)	0.39 (0.36)	325 (123)	258 (314)	98.6 (0.2)
5	6.2 (1.1)	82.0 (13.4)	0.90 (0.69)	73 (34)	31 (50)	97.8 (0.5)
6	2.2 (1.5)	78.9 (16.4)	2.12 (0.99)	340 (101)	134 (181)	97.6 (0.3)
7	2.5 (2.5)	56.6 (14.1)	1.89 (1.24)	311 (33)	180 (246)	97.8 (0.1)
8	6.0 (4.0)	54.7 (17.3)	0.61 (0.49)	249 (24)	252 (322)	97.7 (0.1)
9	10.0 (4.0)	47.1 (17.1)	0.25 (0.19)	252 (75)	253 (318)	98.1 (0.1)
10	7.5 (1.0)	63.4 (14.1)	0.93 (0.65)	50 (45)	52 (66)	98.3 (0.2)
11	7.4 (4.1)	51.3 (15.2)	0.59 (0.32)	7 (161)	275 (325)	99.4 (0.3)
12	6.9 (3.9)	49.2 (13.8)	0.85 (0.75)	89 (34)	268 (330)	99.6 (0.2)
13	3.7 (1.0)	75.2 (19.2)	2.13 (0.67)	91 (7)	30 (40)	98.3 (0.4)
14	6.6 (0.9)	92.9 (5.1)	0.63 (0.32)	25 (145)	35 (45)	97.9 (0.3)
15	8.9 (3.0)	78.1 (7.8)	0.38 (0.30)	24 (143)	78 (105)	99.0 (0.4)
16	12.4 (4.8)	52.6 (18.9)	0.20 (0.19)	85 (40)	290 (335)	99.9 (0.1)
17	15.8 (5.8)	41.3 (14.5)	0.07 (0.07)	113 (72)	290 (335)	99.8 (0.3)
18	18.6 (4.5)	43.2 (8.2)	0.09 (0.13)	168 (70)	198 (263)	99.0 (0.3)
19	13.7 (3.1)	76.6 (14.2)	0.74 (0.56)	71 (81)	57 (75)	98.0 (0.4)
20	8.7 (1.6)	87.4 (10.7)	1.07 (0.74)	295 (86)	75 (142)	97.2 (0.2)
21	5.6 (0.9)	82.5 (3.4)	1.52 (0.83)	264 (28)	122 (175)	97.4 (0.2)
22	9.0 (4.4)	61.1 (18.7)	1.07 (0.92)	294 (59)	247 (317)	98.1 (0.2)
23	12.6 (5.0)	47.5 (13.3)	0.48 (0.42)	135 (78)	263 (316)	98.8 (0.2)
24	22.3 (4.4)	44.4 (10.8)	1.68 (0.86)	209 (27)	260 (317)	98.4 (0.1)
25	24.1 (2.9)	46.6 (6.4)	1.86 (1.08)	222 (8)	231 (282)	98.8 (0.1)
26	25.1 (2.9)	44.7 (10.0)	1.27 (1.08)	208 (16)	247 (282)	99.0 (0.1)
27	23.3 (2.3)	51.0 (13.1)	1.50 (1.18)	218 (27)	151 (197)	99.0 (0.1)
28	15.1 (3.3)	84.6 (4.0)	0.90 (0.45)	53 (108)	53 (66)	99.5 (0.3)
29	11.1 (1.8)	87.9 (5.2)	1.01 (0.49)	93 (8)	63 (74)	99.6 (0.2)
30						98.6 (0.3)
Avg	11.1	63.1	1.02	39.0	169	98.5
n	29	29	29	29	29	30
SD	6.4	16.2	0.63	104.0	92	0.8
Min	2.2	41.3	0.07	7.0	30	97.1
Max	25.1	92.9	2.30	340.0	290	99.9

Table F1. Daily means (SD) of weather parameters at site IN2H for May, 2009.

Day	Temp., ºC	RH, %	Wind speed, $m \cdot s^{-1}$	Wind direction, °	Solar, W m^{-2}	Atm P, kPa
1	15.6 (2.5)	74.4 (13.0)	0.61 (0.47)	300 (68)	126 (166)	98.5 (0.2)
2						98.6 (0.1)
3						98.5 (0.0)
4						98.5 (0.0)
5						98.5 (0.0)
6	16.1 (2.5)	73.2 (6.9)	0.31 (0.34)	137 (30)	81 (88)	98.1 (0.2)
7	17.9 (3.7)	75.9 (17.5)	0.65 (0.75)	224 (37)	150 (240)	98.0 (0.1)
8	20.1 (1.7)	73.4 (5.7)	0.16 (0.19)	240 (60)	120 (144)	97.7 (0.1)
9	15.0 (2.0)	68.7 (10.3)	2.01 (1.51)	287 (54)	213 (277)	98.1 (0.5)
10	13.1 (3.8)	68.7 (21.5)	0.39 (0.46)	295 (97)	223 (287)	99.0 (0.1)
11	14.0 (3.6)	54.6 (20.8)	0.43 (0.39)	351 (149)	275 (337)	99.2 (0.1)
12	15.3 (5.2)	42.0 (16.0)	0.21 (0.25)	140 (71)	308 (347)	99.3 (0.2)
13	16.7 (3.2)	72.9 (10.0)	0.84 (0.61)	166 (28)	54 (69)	98.4 (0.4)
14	19.1 (1.5)	61.6 (18.7)	1.60 (1.40)	250 (31)	299 (344)	98.6 (0.6)
15	17.4 (3.6)	69.4 (14.6)	0.37 (0.41)	91 (64)	121 (179)	98.9 (0.4)
16	15.5 (2.6)	77.4 (20.8)	0.93 (0.82)	306 (90)	160 (253)	98.6 (0.4)
17	11.9 (3.9)	44.0 (17.5)	0.52 (0.50)	341 (132)	315 (341)	99.7 (0.1)
18	15.4 (5.4)	40.6 (16.4)	0.23 (0.23)	148 (87)	328 (357)	99.8 (0.1)
19	20.0 (4.6)	37.9 (9.0)	0.44 (0.37)	199 (23)	315 (344)	99.7 (0.1)
20	23.5 (4.8)	34.6 (12.4)	0.42 (0.33)	190 (20)	325 (349)	99.4 (0.2)
21	24.5 (4.1)	41.8 (8.0)	0.58 (0.49)	220 (30)	321 (347)	99.2 (0.1)
22	24.5 (3.0)	49.2 (9.4)	0.48 (0.25)	95 (89)	271 (329)	99.1 (0.1)
23	23.0 (5.7)	51.5 (13.7)	0.25 (0.19)	65 (112)	235 (282)	98.9 (0.2)
24	24.6 (3.8)	53.5 (11.7)	0.43 (0.35)	59 (78)	249 (289)	98.6 (0.1)
25	19.5 (2.9)	42.4 (12.1)	1.32 (0.53)	84 (10)	141 (207)	98.7 (0.1)
26	22.9 (5.0)	55.9 (12.9)	0.66 (0.40)	108 (54)	223 (305)	98.1 (0.2)
27	25.6 (2.7)	65.5 (12.7)	0.85 (0.69)	213 (50)	235 (294)	97.7 (0.1)
28	17.9 (2.4)	76.6 (5.5)	0.69 (0.38)	299 (28)	94 (144)	97.8 (0.2)
29	18.6 (5.5)	64.5 (22.0)	0.59 (0.54)	296 (73)	269 (329)	98.2 (0.1)
30	20.7 (4.7)	46.8 (17.1)	0.20 (0.20)	228 (42)	206 (257)	98.1 (0.2)
31	20.3 (3.2)	41.4 (14.3)	0.22 (0.19)	26 (123)	329 (353)	98.5 (0.2)
Avg	18.8	57.7	0.61	220.0	222	98.6
n	27	27	27	27	27	31
SD	3.8	13.9	0.43	92.0	85	0.6
Min	11.9	34.6	0.16	26.0	54	97.7
Max	25.6	77.4	2.01	351.0	329	99.8

Table F2. Animal characteristics.

Table F2: Daily means of animal characteristics at site IN2H for June, 2007.

Day	House 6			House 7		
	Inv., hens	Mass, kg	$kg \cdot m^{-2}$	Inv., hens	Mass, kg	$kg \cdot m^{-2}$
1	232,157	1.43	55	223,926	1.57	58
2	232,143	1.43	55	223,867	1.57	58
3	232,130	1.43	55	223,810	1.57	58
4	232,116	1.42	55	223,753	1.57	58
5	232,103	1.42	55	223,697	1.57	58
6	232,089	1.42	54	223,640	1.57	58
7	232,075	1.41	54	223,583	1.57	58
8	232,062	1.41	54	223,526	1.57	58
9	232,048	1.41	54	223,498	1.57	58
10	232,034	1.42	55	223,498	1.57	58
11	232,020	1.43	55	223,498	1.58	58
12	232,007	1.43	55	223,498	1.58	58
13	231,993	1.44	55	197,657	1.58	52
14	231,979	1.45	56	142,837	1.59	38
15	231,965	1.46	56	114,266	1.59	30
16	231,951	1.46	56	114,266	1.56	30
17	231,938	1.46	56	88,847	1.51	22
18	231,924	1.46	56	34,522	1.45	8
19	231,911	1.46	56	27,371	1.40	6
20	231,897	1.46	56	56,438	1.34	12
21	231,883	1.46	56	85,504	1.28	18
22	231,870	1.46	56	114,571	1.23	23
23	231,856	1.46	56	136,486	1.20	27
24	231,843	1.46	56	151,239	1.20	30
25	231,829	1.47	56	165,992	1.20	33
26	231,816	1.47	56	180,745	1.20	36
27	231,803	1.47	57	195,499	1.20	39
28	231,789	1.48	57	210,252	1.20	42
29	231,776	1.48	57	225,005	1.20	45
30	232,191	1.48	57	232,382	1.20	46
Avg	231,973	1.45	56	171,922	1.43	41
n	30	30	30	30	30	30
SD	119	0.02	1	63,595	0.17	17
Min	231,776	1.41	54	27,371	1.20	6
Max	232,191	1.48	57	232,382	1.59	58

Table F2: Daily means of animal characteristics at site IN2H for July, 2007.

Day	House 6			House 7		
	Inv., hens	Mass, kg	$kg \cdot m^{-2}$	Inv., hens	Mass, kg	$kg \cdot m^{-2}$
1	233,035	1.48	57	232,371	1.20	46
2	233,878	1.48	57	232,360	1.20	46
3	234,722	1.48	57	232,350	1.20	46
4	235,566	1.47	57	232,339	1.20	46
5	236,410	1.47	58	232,328	1.20	46
6	237,254	1.47	58	232,317	1.20	46
7	237,455	1.47	58	232,308	1.20	46
8	237,013	1.47	58	232,299	1.21	47
9	236,570	1.48	58	232,290	1.22	47
10	236,128	1.48	58	232,282	1.22	47
11	235,685	1.48	58	232,273	1.23	47
12	235,243	1.48	58	232,264	1.24	48
13	234,800	1.48	58	232,255	1.25	48
14	234,358	1.49	58	232,247	1.25	48
15	233,916	1.49	58	232,238	1.26	48
16	233,473	1.49	58	232,229	1.27	49
17	233,031	1.49	58	232,221	1.27	49
18	232,588	1.49	58	232,212	1.28	49
19	232,146	1.50	58	232,203	1.29	50
20	231,703	1.50	58	232,194	1.30	50
21	231,474	1.50	57	232,187	1.30	50
22	231,457	1.49	57	232,181	1.31	50
23	231,440	1.49	57	232,174	1.32	51
24	231,424	1.49	57	232,168	1.32	51
25	231,407	1.48	57	232,162	1.33	51
26	231,390	1.48	57	232,155	1.34	51
27	231,373	1.47	56	232,149	1.35	52
28	231,356	1.47	56	232,142	1.35	52
29	231,338	1.47	56	232,134	1.35	52
30	231,320	1.47	56	232,126	1.36	52
31	231,302	1.47	56	232,118	1.36	52
Avg	233,557	1.48	57	232,235	1.27	49
n	31	31	31	31	31	31
SD	2,113	0.01	1	74	0.06	2
Min	231,302	1.47	56	232,118	1.20	46
Max	237,455	1.50	58	232,371	1.36	52

Table F2: Daily means of animal characteristics at site IN2H for August, 2007.

Day	House 6			House 7		
	Inv., hens	Mass, kg	$kg \cdot m^{-2}$	Inv., hens	Mass, kg	$kg \cdot m^{-2}$
1	231,283	1.46	56	232,110	1.36	52
2	231,265	1.46	56	232,102	1.37	52
3	231,247	1.46	56	232,094	1.37	53
4	231,231	1.46	56	232,085	1.37	53
5	231,217	1.46	56	232,074	1.37	53
6	231,203	1.45	56	232,063	1.37	53
7	231,189	1.45	56	232,052	1.37	53
8	231,174	1.45	55	232,041	1.37	53
9	231,160	1.44	55	232,030	1.37	53
10	231,146	1.44	55	232,019	1.37	53
11	231,125	1.44	55	232,006	1.37	53
12	231,096	1.44	55	231,991	1.38	53
13	231,068	1.44	55	231,976	1.38	53
14	231,040	1.44	55	231,961	1.39	53
15	231,011	1.45	55	231,946	1.40	54
16	230,983	1.45	55	231,931	1.40	54
17	230,954	1.45	55	231,916	1.41	54
18	230,932	1.45	55	231,899	1.41	54
19	230,915	1.45	55	231,881	1.41	54
20	230,898	1.45	55	231,863	1.41	54
21	230,881	1.45	55	231,846	1.41	54
22	230,864	1.45	55	231,828	1.40	54
23	230,847	1.45	55	231,810	1.40	54
24	230,830	1.45	55	231,792	1.40	54
25	230,811	1.45	55	231,772	1.40	54
26	230,791	1.45	56	231,751	1.40	54
27	230,771	1.46	56	231,729	1.39	53
28	230,751	1.46	56	231,708	1.39	53
29	230,731	1.46	56	231,686	1.39	53
30	230,711	1.47	56	231,664	1.38	53
31	230,691	1.47	56	231,643	1.38	53
Avg	230,994	1.45	56	231,912	1.39	53
n	31	31	31	31	31	31
SD	184	0.01	0	141	0.02	1
Min	230,691	1.44	55	231,643	1.36	52
Max	231,283	1.47	56	232,110	1.41	54

Table F2: Daily means of animal characteristics at site IN2H for September, 2007.

Day	House 6			House 7		
	Inv., hens	Mass, kg	$kg \cdot m^{-2}$	Inv., hens	Mass, kg	$kg \cdot m^{-2}$
1	230,673	1.47	56	231,614	1.38	53
2	230,656	1.47	56	231,579	1.39	53
3	230,640	1.47	56	231,543	1.39	53
4	230,623	1.47	56	231,508	1.40	54
5	230,606	1.47	56	231,472	1.41	54
6	230,590	1.47	56	231,436	1.41	54
7	230,573	1.47	56	231,401	1.42	54
8	230,558	1.47	56	231,375	1.42	54
9	230,543	1.47	56	231,360	1.42	54
10	230,528	1.47	56	231,344	1.42	54
11	230,513	1.47	56	231,329	1.42	54
12	230,498	1.46	56	231,313	1.42	54
13	230,483	1.46	56	231,297	1.42	54
14	230,468	1.46	56	231,282	1.42	54
15	230,452	1.46	56	231,268	1.42	54
16	230,437	1.46	56	231,255	1.43	55
17	230,422	1.46	56	231,243	1.43	55
18	230,407	1.46	56	231,230	1.44	55
19	230,392	1.47	56	231,217	1.45	55
20	230,377	1.47	56	231,205	1.45	56
21	230,362	1.47	56	231,192	1.46	56
22	230,346	1.47	56	231,179	1.46	56
23	230,330	1.47	56	231,166	1.47	56
24	230,313	1.47	56	231,153	1.48	57
25	230,297	1.47	56	231,140	1.48	57
26	230,281	1.47	56	231,126	1.49	57
27	230,264	1.47	56	231,113	1.50	57
28	230,248	1.47	56	231,100	1.51	58
29	230,231	1.47	56	231,088	1.51	58
30	230,212	1.47	56	231,077	1.51	58
Avg	230,444	1.47	56	231,287	1.44	55
n	30	30	30	30	30	30
SD	135	0.00	0	149	0.04	1
Min	230,212	1.46	56	231,077	1.38	53
Max	230,673	1.47	56	231,614	1.51	58

Table F2: Daily means of animal characteristics at site IN2H for October, 2007.

Day	House 6			House 7		
	Inv., hens	Mass, kg	$kg \cdot m^{-2}$	Inv., hens	Mass, kg	$kg \cdot m^{-2}$
1	230,193	1.48	56	231,066	1.51	58
2	230,175	1.48	56	231,055	1.51	58
3	230,156	1.48	57	231,044	1.50	58
4	230,137	1.49	57	231,033	1.50	57
5	230,118	1.49	57	231,022	1.50	57
6	230,100	1.49	57	231,010	1.50	57
7	230,081	1.49	57	230,998	1.49	57
8	230,063	1.49	57	230,986	1.48	56
9	230,044	1.49	57	230,974	1.47	56
10	230,025	1.49	57	230,962	1.46	56
11	230,007	1.49	57	230,950	1.45	55
12	229,988	1.49	57	230,938	1.44	55
13	229,969	1.49	57	230,925	1.43	55
14	229,950	1.48	56	230,912	1.43	55
15	229,931	1.47	56	230,899	1.43	55
16	229,912	1.46	55	230,886	1.43	55
17	229,892	1.45	55	230,873	1.44	55
18	229,873	1.44	55	230,860	1.44	55
19	229,854	1.43	54	230,847	1.44	55
20	229,832	1.42	54	230,833	1.44	55
21	229,809	1.42	54	230,820	1.44	55
22	229,785	1.42	54	230,807	1.44	55
23	229,762	1.42	54	230,794	1.44	55
24	229,739	1.42	54	230,780	1.43	55
25	229,715	1.42	54	230,767	1.43	55
26	229,692	1.42	54	230,754	1.43	55
27	229,668	1.43	54	230,740	1.44	55
28	229,644	1.44	55	230,725	1.45	55
29	229,620	1.45	55	230,710	1.46	56
30	229,596	1.46	56	230,695	1.47	56
31	229,571	1.48	56	230,680	1.49	57
Avg	229,900	1.46	56	230,882	1.46	56
n	31	31	31	31	31	31
SD	184	0.03	1	115	0.03	1
Min	229,571	1.42	54	230,680	1.43	55
Max	230,193	1.49	57	231,066	1.51	58

Table F2: Daily means of animal characteristics at site IN2H for November, 2007.

Day	House 6			House 7		
	Inv., hens	Mass, kg	$kg \cdot m^{-2}$	Inv., hens	Mass, kg	$kg \cdot m^{-2}$
1	229,547	1.49	57	230,665	1.50	57
2	229,523	1.50	57	230,650	1.51	58
3	229,499	1.51	57	230,635	1.51	58
4	229,475	1.50	57	230,622	1.50	57
5	229,451	1.49	56	230,608	1.49	57
6	229,428	1.48	56	230,595	1.48	57
7	229,404	1.47	56	230,581	1.47	56
8	229,380	1.46	55	230,567	1.46	56
9	229,356	1.45	55	230,554	1.45	55
10	229,331	1.44	55	230,540	1.44	55
11	229,304	1.44	55	230,525	1.44	55
12	229,278	1.44	55	230,510	1.44	55
13	229,251	1.44	55	230,495	1.44	55
14	229,224	1.44	55	230,480	1.44	55
15	229,198	1.44	55	230,465	1.44	55
16	229,171	1.44	55	230,450	1.44	55
17	229,145	1.45	55	230,436	1.45	55
18	229,118	1.45	55	230,421	1.45	55
19	229,092	1.45	55	230,406	1.45	55
20	229,065	1.45	55	230,391	1.45	55
21	229,038	1.45	55	230,376	1.45	55
22	229,012	1.45	55	230,361	1.45	55
23	228,985	1.45	55	230,346	1.45	55
24	228,957	1.45	55	230,329	1.45	55
25	228,927	1.45	55	230,310	1.45	55
26	228,897	1.45	55	230,291	1.44	55
27	228,867	1.45	55	230,272	1.44	55
28	228,836	1.44	55	230,252	1.44	55
29	228,806	1.44	55	230,233	1.43	55
30	228,776	1.44	55	230,214	1.43	55
Avg	229,178	1.46	55	230,453	1.46	56
n	30	30	30	30	30	30
SD	229	0.02	1	132	0.02	1
Min	228,776	1.44	55	230,214	1.43	55
Max	229,547	1.51	57	230,665	1.51	58

Table F2: Daily means of animal characteristics at site IN2H for December, 2007.

Day	House 6			House 7		
	Inv., hens	Mass, kg	$kg \cdot m^{-2}$	Inv., hens	Mass, kg	$kg \cdot m^{-2}$
1	228,746	1.44	55	230,193	1.43	54
2	228,717	1.44	54	230,172	1.42	54
3	228,688	1.44	54	230,151	1.42	54
4	228,659	1.44	54	230,130	1.42	54
5	228,630	1.43	54	230,108	1.41	54
6	228,601	1.43	54	230,087	1.41	54
7	228,572	1.43	54	230,066	1.40	53
8	228,543	1.43	54	230,042	1.40	53
9	228,516	1.43	54	230,016	1.40	53
10	228,489	1.43	54	229,990	1.41	54
11	228,462	1.43	54	229,965	1.41	54
12	228,434	1.42	54	229,939	1.41	54
13	228,407	1.42	54	229,913	1.42	54
14	228,380	1.42	54	229,887	1.42	54
15	228,352	1.42	54	229,862	1.42	54
16	228,324	1.41	53	229,838	1.42	54
17	228,296	1.41	53	229,815	1.42	54
18	228,269	1.41	53	229,791	1.42	54
19	228,241	1.40	53	229,767	1.41	54
20	228,213	1.40	53	229,744	1.41	54
21	228,185	1.39	53	229,720	1.41	54
22	228,155	1.39	53	229,695	1.41	54
23	228,123	1.39	53	229,669	1.41	54
24	228,091	1.39	52	229,643	1.41	54
25	228,059	1.39	52	229,617	1.41	54
26	228,026	1.39	52	229,590	1.41	54
27	227,994	1.39	52	229,564	1.41	54
28	227,962	1.39	52	229,538	1.41	54
29	227,929	1.39	52	229,512	1.41	54
30	227,895	1.39	53	229,487	1.41	54
31	227,862	1.39	53	229,461	1.41	54
Avg	228,317	1.41	53	229,838	1.41	54
n	31	31	31	31	31	31
SD	259	0.02	1	220	0.01	0
Min	227,862	1.39	52	229,461	1.40	53
Max	228,746	1.44	55	230,193	1.43	54

Table F2: Daily means of animal characteristics at site IN2H for January, 2008.

Day	House 6			House 7		
	Inv., hens	Mass, kg	$kg \cdot m^{-2}$	Inv., hens	Mass, kg	$kg \cdot m^{-2}$
1	227,828	1.39	53	229,436	1.41	54
2	227,794	1.40	53	229,411	1.42	54
3	227,761	1.40	53	229,385	1.42	54
4	227,727	1.40	53	229,360	1.42	54
5	227,692	1.40	53	229,330	1.42	54
6	227,656	1.40	53	229,296	1.42	54
7	227,619	1.40	53	229,262	1.42	54
8	227,583	1.40	53	229,229	1.42	54
9	227,547	1.39	53	229,195	1.41	54
10	227,510	1.39	52	229,161	1.41	54
11	227,474	1.39	52	229,127	1.41	54
12	227,437	1.39	52	229,092	1.41	53
13	227,399	1.39	52	229,055	1.40	53
14	227,362	1.39	52	229,019	1.40	53
15	227,324	1.39	52	228,983	1.40	53
16	227,286	1.38	52	228,946	1.39	53
17	227,249	1.38	52	228,910	1.39	53
18	227,211	1.38	52	228,873	1.38	52
19	227,174	1.38	52	228,834	1.38	52
20	227,138	1.38	52	228,791	1.38	52
21	227,102	1.38	52	228,748	1.38	52
22	227,066	1.38	52	228,706	1.38	52
23	227,029	1.38	52	228,663	1.39	52
24	226,993	1.38	52	228,620	1.39	53
25	226,957	1.38	52	228,577	1.39	53
26	226,920	1.38	52	228,525	1.39	53
27	226,883	1.38	52	228,461	1.39	53
28	226,846	1.39	52	228,398	1.40	53
29	226,809	1.39	52	228,335	1.40	53
30	226,772	1.39	52	228,272	1.40	53
31	226,735	1.40	52	228,209	1.41	53
Avg	227,287	1.39	52	228,910	1.40	53
n	31	31	31	31	31	31
SD	328	0.01	0	357	0.01	1
Min	226,735	1.38	52	228,209	1.38	52
Max	227,828	1.40	53	229,436	1.42	54

Table F2: Daily means of animal characteristics at site IN2H for February, 2008.

Day	House 6			House 7		
	Inv., hens	Mass, kg	$kg \cdot m^{-2}$	Inv., hens	Mass, kg	$kg \cdot m^{-2}$
1	226,698	1.40	53	228,146	1.41	53
2	226,660	1.40	53	228,079	1.41	53
3	226,622	1.40	53	228,008	1.41	53
4	226,584	1.40	53	227,937	1.41	53
5	226,546	1.40	53	227,866	1.41	53
6	226,507	1.40	53	227,795	1.41	53
7	226,469	1.40	53	227,724	1.41	53
8	226,431	1.40	52	227,653	1.41	53
9	226,389	1.40	52	227,589	1.41	53
10	226,342	1.40	52	227,533	1.41	53
11	226,295	1.40	52	227,476	1.41	53
12	226,248	1.40	52	227,420	1.41	53
13	226,201	1.39	52	227,364	1.40	53
14	226,154	1.39	52	227,307	1.40	53
15	226,107	1.39	52	227,251	1.40	53
16	226,028	1.39	52	227,180	1.40	53
17	225,917	1.39	52	227,093	1.40	53
18	225,807	1.39	52	227,007	1.40	53
19	225,697	1.39	52	226,921	1.40	53
20	225,586	1.39	52	226,834	1.41	53
21	225,476	1.39	52	226,748	1.41	53
22	225,365	1.39	52	226,661	1.41	53
23	225,257	1.39	52	226,568	1.41	53
24	225,150	1.40	52	226,469	1.41	53
25	225,044	1.41	53	226,370	1.41	53
26	224,938	1.42	53	226,271	1.41	53
27	224,831	1.43	53	226,171	1.41	53
28	224,725	1.44	54	226,072	1.41	53
29	224,618	1.45	54	225,973	1.41	53
Avg	225,886	1.40	52	227,155	1.41	53
n	29	29	29	29	29	29
SD	641	0.02	1	632	0.00	0
Min	224,618	1.39	52	225,973	1.40	53
Max	226,698	1.45	54	228,146	1.41	53

Table F2: Daily means of animal characteristics at site IN2H for March, 2008.

Day	House 6			House 7		
	Inv., hens	Mass, kg	$kg \cdot m^{-2}$	Inv., hens	Mass, kg	$kg \cdot m^{-2}$
1	224,535	1.46	54	225,882	1.41	53
2	224,474	1.46	54	225,798	1.41	53
3	224,413	1.45	54	225,715	1.41	53
4	224,353	1.45	54	225,632	1.41	52
5	224,292	1.45	54	225,549	1.40	52
6	224,231	1.44	54	225,466	1.40	52
7	224,170	1.44	54	225,383	1.40	52
8	224,114	1.44	53	225,307	1.40	52
9	224,061	1.44	54	225,238	1.40	52
10	224,008	1.44	54	225,169	1.40	52
11	223,955	1.44	54	225,101	1.40	52
12	223,902	1.45	54	225,032	1.41	52
13	223,849	1.45	54	224,963	1.41	52
14	223,796	1.45	54	224,894	1.41	52
15	223,742	1.45	54	224,832	1.41	53
16	223,687	1.45	54	224,775	1.42	53
17	223,633	1.46	54	224,719	1.42	53
18	223,579	1.46	54	224,663	1.42	53
19	223,524	1.46	54	224,606	1.43	53
20	223,470	1.47	54	224,550	1.43	53
21	223,415	1.47	54	224,493	1.44	53
22	223,354	1.47	54	224,442	1.44	54
23	223,287	1.47	54	224,395	1.44	54
24	223,220	1.47	54	224,349	1.44	53
25	223,152	1.47	54	224,302	1.44	53
26	223,085	1.47	54	224,256	1.44	53
27	223,018	1.47	54	224,209	1.44	53
28	222,950	1.47	54	224,163	1.44	53
29	222,883	1.47	54	224,116	1.44	53
30	222,816	1.47	54	224,070	1.44	53
31	222,748	1.47	54	224,023	1.44	53
Avg	223,668	1.46	54	224,842	1.42	53
n	31	31	31	31	31	31
SD	519	0.01	0	550	0.02	0
Min	222,748	1.44	53	224,023	1.40	52
Max	224,535	1.47	54	225,882	1.44	54

Table F2: Daily means of animal characteristics at site IN2H for April, 2008.

Day	House 6			House 7		
	Inv., hens	Mass, kg	$kg \cdot m^{-2}$	Inv., hens	Mass, kg	$kg \cdot m^{-2}$
1	222,681	1.47	54	223,977	1.44	53
2	222,613	1.47	54	223,930	1.44	53
3	222,546	1.47	54	223,884	1.44	53
4	222,479	1.47	54	223,837	1.44	53
5	222,411	1.47	54	223,791	1.44	53
6	222,342	1.47	54	223,744	1.44	53
7	222,273	1.47	54	223,697	1.44	53
8	222,204	1.47	54	223,650	1.44	53
9	222,135	1.47	54	223,603	1.43	53
10	222,066	1.47	54	223,556	1.43	53
11	221,998	1.47	54	223,509	1.43	53
12	221,937	1.47	54	223,463	1.43	53
13	221,885	1.47	54	223,418	1.43	53
14	221,832	1.47	54	223,372	1.44	53
15	221,780	1.47	54	223,327	1.44	53
16	221,728	1.47	54	223,282	1.44	53
17	221,675	1.47	54	223,236	1.45	53
18	221,623	1.47	54	223,191	1.45	54
19	221,569	1.46	54	223,146	1.45	54
20	221,512	1.44	53	223,101	1.45	54
21	221,455	1.42	52	223,056	1.46	54
22	221,399	1.41	52	223,011	1.46	54
23	221,342	1.39	51	222,966	1.46	54
24	221,285	1.37	50	222,921	1.47	54
25	221,228	1.35	49	222,876	1.47	54
26	221,164	1.33	49	222,832	1.47	54
27	221,093	1.32	48	222,790	1.47	54
28	221,022	1.30	48	222,748	1.47	54
29	220,951	1.29	47	222,706	1.47	54
30	220,879	1.28	47	222,663	1.46	54
Avg	221,770	1.43	52	223,309	1.45	54
n	30	30	30	30	30	30
SD	519	0.06	2	394	0.01	0
Min	220,879	1.28	47	222,663	1.43	53
Max	222,681	1.47	54	223,977	1.47	54

Table F2: Daily means of animal characteristics at site IN2H for May, 2008.

Day	House 6			House 7		
	Inv., hens	Mass, kg	$kg \cdot m^{-2}$	Inv., hens	Mass, kg	$kg \cdot m^{-2}$
1	220,808	1.26	46	222,621	1.46	54
2	220,737	1.25	46	222,579	1.46	54
3	220,671	1.24	45	222,537	1.46	54
4	220,610	1.25	46	222,496	1.46	54
5	220,549	1.26	46	222,454	1.46	54
6	220,488	1.27	46	222,413	1.46	54
7	220,427	1.28	47	222,371	1.47	54
8	220,366	1.29	47	222,329	1.47	54
9	220,305	1.30	47	222,288	1.47	54
10	220,247	1.30	47	222,247	1.47	54
11	220,192	1.29	47	222,206	1.47	54
12	220,137	1.29	47	222,165	1.48	54
13	220,082	1.29	47	222,125	1.48	54
14	220,027	1.28	47	222,084	1.48	55
15	219,972	1.28	46	222,043	1.49	55
16	219,917	1.27	46	222,002	1.49	55
17	219,854	1.27	46	221,963	1.49	55
18	219,783	1.28	46	221,924	1.49	55
19	219,713	1.28	47	221,885	1.49	55
20	219,642	1.28	47	221,846	1.49	55
21	219,572	1.29	47	221,807	1.48	54
22	219,501	1.29	47	221,768	1.48	54
23	219,430	1.30	47	221,729	1.48	54
24	219,375	1.30	47	221,691	1.48	54
25	219,336	1.31	48	221,655	1.48	54
26	219,297	1.31	48	221,620	1.48	54
27	219,258	1.32	48	221,584	1.48	54
28	219,219	1.33	48	221,548	1.49	55
29	219,180	1.33	48	221,513	1.49	55
30	219,141	1.34	49	221,477	1.49	55
31	219,106	1.34	49	221,443	1.49	55
Avg	219,901	1.29	47	222,013	1.48	54
n	31	31	31	31	31	31
SD	524	0.02	1	354	0.01	0
Min	219,106	1.24	45	221,443	1.46	54
Max	220,808	1.34	49	222,621	1.49	55

Table F2: Daily means of animal characteristics at site IN2H for June, 2008.

Day	House 6			House 7		
	Inv., hens	Mass, kg	$kg \cdot m^{-2}$	Inv., hens	Mass, kg	$kg \cdot m^{-2}$
1	219,077	1.35	49	221,412	1.49	55
2	219,048	1.36	49	221,380	1.49	54
3	219,019	1.37	50	221,349	1.49	54
4	218,989	1.38	50	221,317	1.48	54
5	218,960	1.39	50	221,285	1.48	54
6	218,931	1.40	51	221,254	1.48	54
7	218,896	1.40	51	221,218	1.48	54
8	218,855	1.41	51	221,178	1.48	54
9	218,814	1.42	52	221,139	1.48	54
10	218,773	1.43	52	221,099	1.48	54
11	218,732	1.44	52	221,059	1.47	54
12	218,691	1.45	53	221,020	1.47	54
13	218,650	1.46	53	220,980	1.47	54
14	218,603	1.47	53	220,940	1.47	54
15	218,549	1.47	53	220,901	1.47	54
16	218,495	1.48	53	220,862	1.48	54
17	218,441	1.48	54	220,823	1.48	54
18	218,387	1.48	54	220,783	1.48	54
19	218,333	1.49	54	220,744	1.49	54
20	218,279	1.49	54	220,705	1.49	54
21	218,229	1.49	54	220,664	1.49	54
22	218,182	1.50	54	220,621	1.49	54
23	218,136	1.50	54	220,579	1.49	54
24	218,090	1.50	54	220,536	1.49	54
25	218,043	1.51	54	220,493	1.48	54
26	217,997	1.51	55	220,451	1.48	54
27	217,950	1.52	55	220,408	1.48	54
28	217,906	1.52	55	220,366	1.48	54
29	217,865	1.51	55	220,325	1.48	54
30	217,824	1.51	54	220,284	1.48	54
Avg	218,492	1.46	53	220,873	1.48	54
n	30	30	30	30	30	30
SD	394	0.05	2	341	0.01	0
Min	217,824	1.35	49	220,284	1.47	54
Max	219,077	1.52	55	221,412	1.49	55

Table F2: Daily means of animal characteristics at site IN2H for July, 2008.

Day	House 6			House 7		
	Inv., hens	Mass, kg	$kg \cdot m^{-2}$	Inv., hens	Mass, kg	$kg \cdot m^{-2}$
1	217,783	1.50	54	220,243	1.48	54
2	217,742	1.49	54	220,202	1.48	54
3	217,701	1.49	54	220,161	1.48	54
4	217,660	1.48	53	220,120	1.48	54
5	217,622	1.48	53	220,082	1.48	54
6	217,588	1.48	53	220,047	1.48	54
7	217,554	1.48	53	220,013	1.48	54
8	217,520	1.48	53	219,979	1.48	54
9	217,485	1.47	53	219,944	1.49	54
10	217,451	1.47	53	219,910	1.49	54
11	217,417	1.47	53	219,875	1.49	54
12	217,382	1.47	53	219,838	1.49	54
13	217,345	1.47	53	219,799	1.49	54
14	217,308	1.47	53	219,760	1.49	54
15	217,272	1.47	53	219,721	1.49	54
16	217,235	1.47	53	219,682	1.49	54
17	217,198	1.47	53	219,643	1.49	54
18	217,161	1.47	53	219,604	1.49	54
19	217,123	1.47	53	219,565	1.49	54
20	217,082	1.47	53	219,526	1.49	54
21	217,042	1.47	53	219,487	1.49	54
22	217,001	1.47	53	219,448	1.49	54
23	216,960	1.47	53	219,409	1.50	54
24	216,920	1.47	53	219,370	1.50	54
25	216,879	1.47	53	219,331	1.50	54
26	216,841	1.47	53	219,294	1.50	55
27	216,804	1.47	53	219,257	1.50	55
28	216,767	1.47	53	219,220	1.51	55
29	216,731	1.47	53	219,183	1.51	55
30	216,694	1.48	53	219,146	1.51	55
31	216,657	1.48	53	219,109	1.52	55
Avg	217,223	1.47	53	219,676	1.49	54
n	31	31	31	31	31	31
SD	334	0.01	0	338	0.01	0
Min	216,657	1.47	53	219,109	1.48	54
Max	217,783	1.50	54	220,243	1.52	55

Table F2: Daily means of animal characteristics at site IN2H for August, 2008.

Day	House 6			House 7		
	Inv., hens	Mass, kg	$kg \cdot m^{-2}$	Inv., hens	Mass, kg	$kg \cdot m^{-2}$
1	216,620	1.48	53	219,072	1.52	55
2	216,576	1.48	53	219,031	1.52	55
3	216,524	1.48	53	218,985	1.52	55
4	216,471	1.48	53	218,939	1.52	55
5	216,419	1.48	53	218,893	1.52	55
6	216,367	1.47	53	218,846	1.53	55
7	216,314	1.47	53	218,800	1.53	55
8	216,262	1.47	53	218,754	1.53	55
9	216,215	1.47	53	218,710	1.52	55
10	216,172	1.47	53	218,669	1.49	54
11	216,129	1.47	53	218,627	1.46	53
12	216,087	1.47	53	218,586	1.43	52
13	216,044	1.47	53	218,545	1.40	51
14	216,001	1.47	53	218,503	1.37	50
15	215,958	1.47	53	218,462	1.34	49
16	215,915	1.47	53	218,423	1.33	48
17	215,870	1.47	53	218,386	1.32	48
18	215,826	1.47	53	218,349	1.32	48
19	215,781	1.47	53	218,312	1.32	48
20	215,737	1.47	53	218,275	1.31	47
21	215,692	1.47	53	218,238	1.31	47
22	215,648	1.47	52	218,201	1.30	47
23	215,603	1.47	52	218,164	1.30	47
24	215,559	1.47	52	218,127	1.29	47
25	215,514	1.47	52	218,090	1.29	47
26	215,470	1.47	52	218,053	1.29	46
27	215,425	1.47	52	218,016	1.28	46
28	215,381	1.47	52	217,979	1.28	46
29	215,336	1.47	52	217,943	1.27	46
30	215,289	1.47	52	217,899	1.27	46
31	215,240	1.47	52	217,849	1.27	46
Avg	215,918	1.47	53	218,443	1.39	50
n	31	31	31	31	31	31
SD	405	0.00	0	358	0.10	4
Min	215,240	1.47	52	217,849	1.27	46
Max	216,620	1.48	53	219,072	1.53	55

Table F2: Daily means of animal characteristics at site IN2H for September, 2008.

Day	House 6			House 7		
	Inv., hens	Mass, kg	$kg \cdot m^{-2}$	Inv., hens	Mass, kg	$kg \cdot m^{-2}$
1	215,191	1.47	52	217,799	1.27	46
2	215,142	1.47	52	217,749	1.27	46
3	215,092	1.47	52	217,698	1.28	46
4	215,043	1.47	52	217,648	1.28	46
5	214,994	1.47	52	217,598	1.28	46
6	214,945	1.47	52	217,552	1.28	46
7	214,896	1.47	52	217,509	1.27	46
8	214,848	1.47	52	217,467	1.27	46
9	214,800	1.47	52	217,425	1.26	45
10	214,751	1.47	52	217,382	1.25	45
11	214,703	1.47	52	217,340	1.25	45
12	214,654	1.47	52	217,297	1.24	45
13	214,606	1.47	52	217,258	1.25	45
14	214,559	1.47	52	217,222	1.26	45
15	214,512	1.47	52	217,185	1.27	46
16	214,465	1.47	52	217,149	1.28	46
17	214,418	1.47	52	217,113	1.29	46
18	214,371	1.47	52	217,076	1.30	47
19	214,324	1.47	52	217,040	1.31	47
20	214,276	1.47	52	217,008	1.32	48
21	214,228	1.47	52	216,980	1.33	48
22	214,180	1.47	52	216,952	1.34	48
23	214,133	1.47	52	216,924	1.34	48
24	214,085	1.48	52	216,895	1.35	49
25	214,037	1.48	52	216,867	1.36	49
26	213,989	1.48	52	216,839	1.37	49
27	213,944	1.48	52	216,817	1.38	49
28	213,902	1.47	52	216,800	1.39	50
29	213,860	1.47	52	216,784	1.40	50
30	213,818	1.47	52	216,768	1.41	51
Avg	214,492	1.47	52	217,205	1.30	47
n	30	30	30	30	30	30
SD	412	0.00	0	314	0.05	2
Min	213,818	1.47	52	216,768	1.24	45
Max	215,191	1.48	52	217,799	1.41	51

Table F2: Daily means of animal characteristics at site IN2H for October, 2008.

Day	House 6			House 7		
	Inv., hens	Mass, kg	$kg \cdot m^{-2}$	Inv., hens	Mass, kg	$kg \cdot m^{-2}$
1	213,775	1.46	52	216,751	1.42	51
2	213,733	1.46	52	216,735	1.43	51
3	213,691	1.45	51	216,718	1.44	52
4	213,648	1.45	51	216,703	1.45	52
5	213,603	1.45	51	216,689	1.46	52
6	213,559	1.46	52	216,675	1.46	52
7	213,515	1.46	52	216,661	1.46	53
8	213,470	1.46	52	216,646	1.47	53
9	213,426	1.47	52	216,632	1.47	53
10	213,381	1.47	52	216,618	1.48	53
11	213,334	1.47	52	216,601	1.48	53
12	213,285	1.47	52	216,582	1.48	53
13	213,235	1.47	52	216,563	1.48	53
14	213,186	1.47	52	216,544	1.48	53
15	213,137	1.47	52	216,525	1.48	53
16	213,087	1.47	52	216,506	1.48	53
17	213,038	1.47	52	216,487	1.48	53
18	212,989	1.47	52	216,463	1.48	53
19	212,940	1.47	52	216,435	1.48	53
20	212,892	1.47	52	216,407	1.49	53
21	212,844	1.47	52	216,379	1.49	53
22	212,795	1.47	52	216,351	1.49	53
23	212,747	1.47	52	216,323	1.50	54
24	212,698	1.47	52	216,295	1.50	54
25	212,650	1.47	52	216,264	1.50	54
26	212,603	1.47	52	216,231	1.50	54
27	212,555	1.46	51	216,197	1.51	54
28	212,508	1.46	51	216,164	1.51	54
29	212,461	1.46	51	216,131	1.51	54
30	212,413	1.45	51	216,097	1.52	54
31	212,366	1.45	51	216,064	1.52	54
Avg	213,083	1.46	52	216,466	1.48	53
n	31	31	31	31	31	31
SD	426	0.01	0	204	0.02	1
Min	212,366	1.45	51	216,064	1.42	51
Max	213,775	1.47	52	216,751	1.52	54

Table F2: Daily means of animal characteristics at site IN2H for November, 2008.

Day	House 6			House 7		
	Inv., hens	Mass, kg	$kg \cdot m^{-2}$	Inv., hens	Mass, kg	$kg \cdot m^{-2}$
1	212,318	1.45	51	216,042	1.52	54
2	212,271	1.45	51	216,032	1.52	54
3	212,223	1.45	51	216,022	1.52	54
4	212,176	1.45	51	216,013	1.52	55
5	212,128	1.44	51	216,003	1.53	55
6	212,080	1.44	51	215,993	1.53	55
7	212,033	1.44	51	215,983	1.53	55
8	211,984	1.44	51	215,958	1.53	55
9	211,933	1.44	50	215,918	1.53	55
10	211,882	1.44	50	215,879	1.53	55
11	211,832	1.44	50	215,839	1.53	55
12	211,781	1.43	50	215,799	1.53	55
13	211,730	1.43	50	215,760	1.53	55
14	211,679	1.43	50	215,720	1.53	54
15	211,629	1.43	50	215,680	1.52	54
16	211,579	1.43	50	215,640	1.52	54
17	211,529	1.43	50	215,601	1.52	54
18	211,480	1.43	50	215,561	1.52	54
19	211,430	1.42	50	215,521	1.52	54
20	211,380	1.42	50	215,482	1.52	54
21	211,330	1.42	50	215,442	1.52	54
22	211,280	1.42	50	215,406	1.52	54
23	211,229	1.42	50	215,373	1.52	54
24	211,178	1.43	50	215,340	1.52	54
25	211,128	1.43	50	215,307	1.52	54
26	211,077	1.43	50	215,274	1.52	54
27	211,026	1.44	50	215,241	1.52	54
28	210,975	1.44	50	215,208	1.52	54
29	210,923	1.44	50	215,174	1.52	54
30	210,868	1.44	50	215,141	1.52	54
Avg	211,603	1.43	50	215,645	1.52	54
n	30	30	30	30	30	30
SD	433	0.01	0	298	0.00	0
Min	210,868	1.42	50	215,141	1.52	54
Max	212,318	1.45	51	216,042	1.53	55

Table F2: Daily means of animal characteristics at site IN2H for December, 2008.

Day	House 6			House 7		
	Inv., hens	Mass, kg	$kg \cdot m^{-2}$	Inv., hens	Mass, kg	$kg \cdot m^{-2}$
1	210,813	1.44	50	215,107	1.51	54
2	210,759	1.44	50	215,074	1.51	54
3	210,704	1.43	50	215,041	1.51	54
4	210,649	1.43	50	215,007	1.50	54
5	210,594	1.43	50	214,974	1.50	53
6	210,541	1.43	50	214,936	1.50	53
7	210,489	1.43	50	214,893	1.50	54
8	210,437	1.43	50	214,851	1.51	54
9	210,386	1.43	50	214,809	1.51	54
10	210,334	1.43	50	214,766	1.51	54
11	210,282	1.43	50	214,724	1.52	54
12	210,230	1.43	50	214,681	1.52	54
13	210,176	1.43	50	214,641	1.52	54
14	210,120	1.43	50	214,602	1.52	54
15	210,063	1.43	50	214,563	1.52	54
16	210,007	1.43	50	214,524	1.52	54
17	209,951	1.44	50	214,485	1.52	54
18	209,894	1.44	50	214,446	1.52	54
19	209,838	1.44	50	214,407	1.52	54
20	209,778	1.44	50	214,364	1.52	54
21	209,713	1.44	50	214,317	1.52	54
22	209,649	1.44	50	214,271	1.52	54
23	209,585	1.44	50	214,224	1.52	54
24	209,520	1.45	50	214,177	1.51	54
25	209,456	1.45	50	214,131	1.51	54
26	209,391	1.45	50	214,084	1.51	54
27	209,329	1.45	50	214,037	1.51	54
28	209,268	1.45	50	213,990	1.51	54
29	209,207	1.46	50	213,942	1.51	53
30	209,146	1.46	51	213,895	1.51	53
31	209,085	1.46	51	213,848	1.51	53
Avg	209,980	1.44	50	214,510	1.51	54
n	31	31	31	31	31	31
SD	515	0.01	0	377	0.01	0
Min	209,085	1.43	50	213,848	1.50	53
Max	210,813	1.46	51	215,107	1.52	54

Table F2: Daily means of animal characteristics at site IN2H for January, 2009.

Day	House 6			House 7		
	Inv., hens	Mass, kg	$kg \cdot m^{-2}$	Inv., hens	Mass, kg	$kg \cdot m^{-2}$
1	209,024	1.47	51	213,800	1.51	53
2	208,963	1.47	51	213,753	1.51	53
3	208,901	1.47	51	213,704	1.51	53
4	208,837	1.47	51	213,655	1.51	53
5	208,773	1.47	51	213,605	1.51	54
6	208,710	1.47	51	213,556	1.51	54
7	208,646	1.47	51	213,507	1.52	54
8	208,582	1.47	51	213,457	1.52	54
9	208,518	1.47	51	213,408	1.52	54
10	208,451	1.47	51	213,357	1.52	54
11	208,382	1.47	51	213,306	1.53	54
12	208,313	1.46	50	213,254	1.53	54
13	208,244	1.46	50	213,203	1.54	54
14	208,174	1.46	50	213,152	1.55	55
15	208,105	1.45	50	213,100	1.55	55
16	208,036	1.45	50	213,049	1.56	55
17	207,963	1.45	50	212,989	1.56	55
18	207,888	1.45	50	212,920	1.56	55
19	207,812	1.45	50	212,851	1.56	55
20	207,736	1.45	50	212,782	1.56	55
21	207,660	1.46	50	212,713	1.55	55
22	207,585	1.46	50	212,644	1.55	55
23	207,509	1.46	50	212,576	1.55	55
24	207,434	1.46	50	212,510	1.55	54
25	207,359	1.46	50	212,449	1.54	54
26	207,284	1.46	50	212,387	1.54	54
27	207,210	1.46	50	212,325	1.54	54
28	207,135	1.46	50	212,263	1.53	54
29	207,060	1.46	50	212,202	1.53	54
30	206,985	1.46	50	212,140	1.52	53
31	206,910	1.46	50	212,052	1.52	53
Avg	208,006	1.46	50	212,989	1.53	54
n	31	31	31	31	31	31
SD	636	0.01	0	522	0.02	1
Min	206,910	1.45	50	212,052	1.51	53
Max	209,024	1.47	51	213,800	1.56	55

Table F2: Daily means of animal characteristics at site IN2H for February, 2009.

Day	House 6			House 7		
	Inv., hens	Mass, kg	$kg \cdot m^{-2}$	Inv., hens	Mass, kg	$kg \cdot m^{-2}$
1	206,835	1.46	50	211,939	1.52	53
2	206,759	1.46	50	211,825	1.52	53
3	206,683	1.46	50	211,712	1.52	53
4	206,607	1.47	50	211,598	1.52	53
5	206,532	1.47	50	211,484	1.52	53
6	206,456	1.47	50	211,371	1.52	53
7	206,384	1.47	50	211,262	1.52	53
8	206,315	1.48	51	211,158	1.52	53
9	206,246	1.48	51	211,054	1.52	53
10	206,178	1.49	51	210,950	1.52	53
11	206,109	1.50	51	210,846	1.53	53
12	206,040	1.50	51	210,742	1.53	53
13	205,971	1.51	51	210,638	1.53	53
14	205,902	1.51	51	210,540	1.53	53
15	205,830	1.50	51	210,447	1.53	53
16	205,759	1.50	51	210,355	1.53	53
17	205,688	1.50	51	210,263	1.53	53
18	205,617	1.49	51	210,170	1.52	53
19	205,546	1.49	51	210,078	1.52	53
20	205,475	1.48	50	209,985	1.52	53
21	205,408	1.48	50	209,909	1.52	53
22	205,346	1.48	50	209,849	1.52	53
23	205,284	1.48	50	209,790	1.53	53
24	205,222	1.48	50	209,730	1.53	53
25	205,159	1.49	50	209,670	1.53	53
26	205,097	1.49	51	209,611	1.54	53
27	205,035	1.49	51	209,551	1.54	53
28	204,969	1.49	51	209,493	1.54	53
Avg	205,873	1.48	51	210,572	1.53	53
n	28	28	28	28	28	28
SD	559	0.01	0	749	0.01	0
Min	204,969	1.46	50	209,493	1.52	53
Max	206,835	1.51	51	211,939	1.54	53

Table F2: Daily means of animal characteristics at site IN2H for March, 2009.

Day	House 6			House 7		
	Inv., hens	Mass, kg	$kg \cdot m^{-2}$	Inv., hens	Mass, kg	$kg \cdot m^{-2}$
1	204,898	1.50	51	209,438	1.54	53
2	204,827	1.51	51	209,383	1.54	53
3	204,757	1.52	52	209,328	1.54	53
4	204,686	1.53	52	209,272	1.54	53
5	204,615	1.54	52	209,217	1.54	53
6	204,544	1.55	53	209,162	1.54	53
7	204,469	1.56	53	209,102	1.54	53
8	204,389	1.57	53	209,037	1.54	53
9	204,309	1.57	53	208,973	1.54	53
10	204,229	1.58	53	208,908	1.54	53
11	204,148	1.59	54	208,844	1.54	53
12	204,068	1.59	54	208,779	1.54	53
13	203,988	1.60	54	208,714	1.54	53
14	203,913	1.59	54	208,659	1.54	53
15	203,843	1.58	53	208,613	1.54	53
16	203,773	1.57	53	208,567	1.54	53
17	203,703	1.56	52	208,522	1.54	53
18	203,632	1.54	52	208,476	1.54	53
19	203,562	1.53	52	208,430	1.54	53
20	203,492	1.52	51	208,384	1.54	53
21	203,422	1.51	51	208,335	1.54	53
22	203,350	1.51	51	208,282	1.54	53
23	203,279	1.51	51	208,230	1.54	53
24	203,208	1.51	51	208,177	1.54	53
25	203,137	1.52	51	208,124	1.55	53
26	203,066	1.52	51	208,072	1.55	53
27	202,995	1.52	51	208,019	1.55	53
28		1.51		207,968	1.55	53
29		1.50		207,918	1.54	53
30		1.49		207,868	1.54	53
31		1.48		207,818	1.54	53
Avg	203,937	1.54	52	208,601	1.54	53
n	27	31	27	31	31	31
SD	575	0.03	1	483	0.00	0
Min	202,995	1.48	51	207,818	1.54	53
Max	204,898	1.60	54	209,438	1.55	53

Table F2: Daily means of animal characteristics at site IN2H for April, 2009.

Day	House 6			House 7		
	Inv., hens	Mass, kg	$kg \cdot m^{-2}$	Inv., hens	Mass, kg	$kg \cdot m^{-2}$
1		1.47		207,767	1.53	53
2		1.46		207,717	1.53	53
3		1.45		207,667	1.52	52
4		1.44		207,614	1.52	52
5		1.43		207,558	1.53	53
6		1.42		207,501	1.54	53
7		1.41		207,445	1.54	53
8		1.40		207,389	1.55	53
9		1.39		207,332	1.56	54
10		1.38		207,276	1.57	54
11		1.37		207,224	1.57	54
12		1.36		207,177	1.57	54
13		1.35		207,129	1.57	54
14	222,039	1.34	49	207,082	1.57	54
15	222,039	1.33	49	207,035	1.56	54
16	222,039	1.32	48	206,987	1.56	54
17	222,039	1.31	48	206,940	1.56	53
18	222,030	1.30	48	206,891	1.56	53
19	222,012	1.29	47	206,840	1.56	54
20	221,995	1.28	47	206,789	1.57	54
21	221,977	1.27	47	206,738	1.57	54
22	221,959	1.26	46	206,687	1.57	54
23	221,942	1.25	46	206,636	1.58	54
24	221,924	1.24	45	206,585	1.58	54
25	221,910	1.24	46	206,531	1.58	54
26	221,899	1.26	46	206,474	1.58	54
27	221,888	1.28	47	206,418	1.57	54
28	221,878	1.30	48	206,361	1.57	54
29	221,867	1.32	48	206,304	1.57	54
30	221,856	1.34	49	206,248	1.56	53
Avg	221,958	1.34	47	207,011	1.56	53
n	17	30	17	30	30	30
SD	66	0.07	1	446	0.02	0
Min	221,856	1.24	45	206,248	1.52	52
Max	222,039	1.47	49	207,767	1.58	54

Table F2: Daily means of animal characteristics at site IN2H for May, 2009.

Day	House 6			House 7		
	Inv., hens	Mass, kg	$kg \cdot m^{-2}$	Inv., hens	Mass, kg	$kg \cdot m^{-2}$
1	221,845	1.36	50	206,191	1.56	53
2	221,837	1.37	50	206,137	1.56	53
3	221,830	1.37	50	206,084	1.56	53
4	221,824	1.37	50	206,031	1.56	53
5	221,818	1.37	50	205,978	1.56	53
6	221,811	1.36	50	205,925	1.57	53
7	221,805	1.36	50	205,872	1.57	53
8	221,798	1.36	50	205,819	1.57	53
9	221,792	1.37	50	205,765	1.57	54
10	221,787	1.38	51	205,708	1.58	54
11	221,781	1.39	51	205,652	1.58	54
12	221,776	1.40	52	205,596	1.58	54
13	221,770	1.42	52	205,539	1.59	54
14	221,764	1.43	53	205,483	1.59	54
15	221,759	1.44	53	205,426	1.60	54
16	221,752	1.45	53	205,370	1.60	54
17	221,744	1.45	53	205,313	1.59	54
18	221,736	1.46	54	205,256	1.58	54
19	221,728	1.46	54	205,199	1.58	54
20	221,720	1.46	54	205,142	1.57	53
21	221,712	1.47	54	205,085	1.56	53
22	221,704	1.47	54	205,028	1.55	53
23	221,696	1.47	54	204,974	1.55	53
24	221,687	1.47	54	204,922	1.56	53
25	221,679	1.48	54	204,870	1.56	53
26	221,670	1.48	54	204,818	1.56	53
27	221,661	1.48	54	204,765	1.57	53
28	221,653	1.49	55	204,713	1.57	53
29	221,644	1.49	55	204,661	1.58	53
30	221,635	1.49	55	204,605	1.58	54
31	221,626	1.49	55	204,546	1.58	54
Avg	221,743	1.43	52	205,370	1.57	53
n	31	31	31	31	31	31
SD	64	0.05	2	494	0.01	0
Min	221,626	1.36	50	204,546	1.55	53
Max	221,845	1.49	55	206,191	1.60	54

Table F3. Building environment.

Table F3. Daily means (SD) of environmental parameters at site IN2H for June, 2007.

Day	House 6				House 7			
	Temp., °C	RH, %	ΔP, Pa	Airflow, dsm^3s^{-1}	Temp., °C	RH, %	ΔP, Pa	Airflow, dsm^3s^{-1}
1	27.1 (2.7)	48.8 (6.5)	-23.5 (6.9)	493.0 (150.0)	27.3 (2.3)	47.8 (6.1)	-20.5 (6.8)	465.0 (161.0)
2	28.0 (3.0)	47.4 (9.4)	-25.1 (6.1)	493.0 (119.0)	28.2 (2.8)	46.4 (9.2)	-22.2 (6.3)	465.0 (138.0)
3	25.1 (1.1)	55.6 (3.2)	-17.6 (5.7)	361.0 (115.0)	25.7 (0.9)	54.1 (2.9)	-15.2 (5.0)	330.0 (108.0)
4	24.9 (0.6)	54.1 (2.7)	-14.4 (4.6)	209.0 (80.9)	27.1 (1.3)	50.8 (1.7)	-10.6 (4.3)	181.0 (74.5)
5	25.4 (0.8)	43.5 (3.1)	-13.0 (4.2)	131.0 (60.3)	28.5 (0.4)	42.0 (3.0)	-6.9 (2.6)	108.0 (41.3)
6	25.7 (0.6)	38.2 (4.2)	-14.6 (5.6)	215.0 (150.0)	28.1 (0.8)	38.3 (4.4)	-9.4 (4.1)	164.0 (98.0)
7	29.4 (3.1)	40.8 (3.0)	-29.2 (9.7)	454.0 (148.0)	30.4 (1.9)	39.4 (2.1)	-23.4 (9.2)	454.0 (192.0)
8	27.6 (2.3)	46.7 (4.8)	-27.2 (8.0)	519.0 (146.0)	27.9 (1.2)	46.2 (5.2)	-21.7 (9.2)	483.0 (183.0)
9	24.6 (0.9)	39.3 (3.7)	-18.5 (6.7)	329.0 (206.0)	27.0 (1.0)	37.5 (3.4)	-10.6 (4.5)	215.0 (118.0)
10	25.5 (1.7)	36.5 (5.0)	-20.3 (7.0)	392.0 (221.0)	27.5 (0.9)	35.1 (4.5)	-13.1 (5.8)	273.0 (154.0)
11	26.9 (2.7)	36.4 (5.2)	-21.8 (7.8)	453.0 (203.0)	28.4 (1.2)	34.5 (4.2)	-16.5 (7.8)	379.0 (215.0)
12	26.2 (2.7)	39.5 (8.2)	-21.7 (6.3)	486.0 (175.0)	27.5 (1.3)	37.0 (6.6)	-16.2 (7.3)	399.0 (202.0)
13								
14	27.9 (2.9)	39.9 (6.7)	-24.3 (4.9)	548.0 (121.0)	27.2 (2.5)	40.1 (7.2)	-19.8 (5.2)	523.0 (147.0)
15	26.6 (2.5)	39.1 (6.6)	-22.2 (6.7)	492.0 (166.0)	25.9 (1.6)	39.5 (6.5)	-17.1 (7.0)	427.0 (200.0)
16	28.0 (3.6)	36.6 (4.7)	-22.4 (6.5)	511.0 (162.0)	27.8 (2.4)	36.4 (5.6)	-17.5 (7.9)	433.0 (229.0)
17	29.0 (2.2)	46.3 (5.1)	-28.2 (1.8)	607.0 (27.7)	27.5 (2.0)	47.9 (6.5)	-17.8 (5.8)	441.0 (150.0)
18	28.6 (2.7)	49.1 (9.2)	-29.1 (3.6)	557.0 (67.7)	27.3 (2.2)	50.9 (9.1)	-12.6 (8.9)	249.0 (214.0)
19	26.2 (1.5)	50.5 (10.8)	-26.1 (5.6)	552.0 (109.0)	24.1 (2.1)	52.2 (10.6)	-17.6 (9.2)	380.0 (266.0)
20	25.1 (2.2)	39.9 (8.1)	-19.2 (7.4)	403.0 (208.0)	22.0 (2.7)	43.9 (10.8)	-17.8 (8.4)	427.0 (249.0)
21	26.7 (3.0)	41.8 (3.5)	-20.6 (7.0)	456.0 (184.0)	23.8 (3.5)	45.5 (5.1)	-19.2 (7.7)	481.0 (210.0)
22	24.9 (1.6)	40.0 (6.3)	-18.5 (6.8)	403.0 (175.0)	22.5 (2.4)	43.4 (8.6)	-17.1 (7.2)	440.0 (181.0)
23	23.7 (0.5)	48.3 (7.2)	-13.8 (3.1)	273.0 (56.0)	23.4 (0.7)	48.3 (5.7)	-9.7 (3.0)	197.0 (60.0)
24								
25								
26	28.1 (2.7)	58.3 (6.2)	-27.6 (3.7)	559.0 (79.7)	26.7 (2.8)	59.7 (6.6)	-25.6 (3.6)	
27	26.7 (2.4)	60.9 (5.9)	-25.4 (5.1)	514.0 (97.9)	25.8 (2.3)	61.0 (5.1)	-24.1 (3.9)	
28	25.4 (0.8)	63.7 (2.8)	-19.6 (5.9)	478.0 (122.0)	24.2 (1.1)	64.1 (1.9)	-21.1 (5.6)	522.0 (124.0)
29	25.7 (0.6)	50.7 (3.6)	-15.1 (8.2)	370.0 (168.0)	23.6 (1.2)	53.3 (6.2)	-15.7 (8.6)	408.0 (190.0)
30	26.2 (1.0)	44.5 (7.1)	-17.2 (9.0)	407.0 (195.0)	24.4 (1.7)	46.8 (9.6)	-18.1 (8.1)	442.0 (202.0)
Avg	26.5	45.8	-21.3	432.0	26.3	46.0	-16.9	371.0
n	27	27	27	27	27	27	27	25
SD	1.4	7.5	4.81	116.00	2.1	7.8	4.69	118.00
Min	23.7	36.4	-29.20	131.00	22.0	34.5	-25.60	108.00
Max	29.4	63.7	-13.00	607.00	30.4	64.1	-6.85	523.00

Table F3. Daily means (SD) of environmental parameters at site IN2H for July, 2007.

Day	House 6				House 7			
	Temp., °C	RH, %	ΔP, Pa	Airflow, dsm^3s^{-1}	Temp., °C	RH, %	ΔP, Pa	Airflow, dsm^3s^{-1}
1	26.2 (0.9)	40.4 (4.8)	-16.0 (8.6)	400.0 (197.0)	24.2 (1.9)	42.1 (7.0)	-17.0 (7.8)	433.0 (199.0)
2	25.8 (0.7)	37.4 (3.4)	-14.2 (8.5)	339.0 (196.0)	23.5 (1.4)	39.3 (5.4)	-16.1 (8.2)	375.0 (216.0)
3	26.9 (1.8)	39.2 (4.6)	-20.0 (9.2)	447.0 (180.0)	24.8 (2.7)	40.8 (7.0)	-20.6 (8.2)	473.0 (186.0)
4	27.1 (2.3)	52.7 (2.4)	-21.7 (6.5)	504.0 (126.0)	25.7 (2.7)	54.4 (3.6)	-22.6 (4.8)	537.0 (118.0)
5	27.8 (2.2)	53.3 (10.8)	-18.6 (6.7)	473.0 (147.0)	26.4 (2.9)	54.3 (12.5)	-20.4 (4.9)	
6	28.1 (1.7)	45.0 (8.2)	-18.1 (8.2)	450.0 (182.0)	26.5 (2.7)	47.0 (11.5)	-19.0 (6.8)	502.0 (176.0)
7	28.7 (1.9)	42.4 (4.1)	-19.5 (9.1)	453.0 (198.0)	26.9 (2.8)	43.7 (6.3)	-19.8 (8.0)	491.0 (182.0)
8	29.7 (3.3)	49.5 (4.3)	-26.4 (4.7)	560.0 (68.5)	28.6 (3.6)	50.0 (5.5)	-25.1 (3.8)	566.0 (80.5)
9	29.5 (2.6)	52.8 (7.1)	-28.6 (1.8)	597.0 (18.9)	28.3 (2.9)	53.7 (8.5)	-26.8 (2.0)	609.0 (28.3)
10	29.1 (2.5)	54.9 (5.4)	-27.9 (3.3)	581.0 (39.0)	28.0 (2.6)	55.6 (6.4)	-26.5 (3.1)	591.0 (43.0)
11	26.3 (1.8)	49.4 (10.0)	-12.9 (5.5)	350.0 (141.0)	24.7 (1.5)	50.0 (10.9)	-12.6 (5.7)	356.0 (134.0)
12	28.6 (0.9)	39.0 (4.7)	-11.4 (4.5)	260.0 (147.0)	26.6 (0.7)	39.7 (5.2)	-13.5 (7.5)	309.0 (194.0)
13	28.6 (0.8)	40.3 (3.9)	-9.5 (2.6)	226.0 (116.0)	26.5 (0.8)	41.5 (4.8)	-10.9 (5.3)	269.0 (152.0)
14	29.2 (0.8)	40.6 (4.3)	-18.7 (10.3)	349.0 (207.0)	27.5 (1.2)	41.4 (5.0)	-18.1 (9.7)	380.0 (217.0)
15	28.8 (0.8)	40.6 (6.2)	-10.6 (4.6)	279.0 (137.0)	26.4 (0.8)	42.2 (7.9)	-13.2 (7.6)	350.0 (185.0)
16								
17								
18	29.7 (0.9)	54.2 (3.7)	-16.2 (7.8)	417.0 (190.0)	26.7 (2.1)	58.8 (6.1)	-20.7 (7.6)	494.0 (159.0)
19	29.2 (0.6)	54.3 (5.9)	-8.1 (2.8)	239.0 (89.2)	25.1 (0.9)	59.7 (7.7)	-13.8 (7.0)	383.0 (162.0)
20	29.3 (0.5)	41.4 (3.7)	-7.0 (2.2)	169.0 (96.9)	25.8 (0.6)	42.9 (4.8)	-10.7 (6.8)	284.0 (181.0)
21	29.7 (0.4)	41.0 (3.4)	-6.5 (2.2)	183.0 (95.2)	25.6 (0.8)	43.3 (4.3)	-11.7 (6.4)	299.0 (167.0)
22	29.5 (0.5)	39.0 (2.9)	-7.9 (3.2)	220.0 (131.0)	26.2 (0.9)	40.9 (4.1)	-14.7 (8.4)	367.0 (221.0)
23	29.6 (0.5)	39.4 (4.3)	-9.1 (5.1)	265.0 (164.0)	26.1 (1.4)	41.7 (6.1)	-15.0 (8.9)	390.0 (213.0)
24	28.8 (0.9)	44.4 (6.7)	-11.3 (6.3)	302.0 (185.0)	26.5 (1.6)	43.4 (5.5)	-16.3 (8.6)	436.0 (206.0)
25	29.7 (0.6)	47.1 (5.6)	-8.5 (4.7)		25.7 (1.4)	51.6 (7.9)	-13.9 (6.0)	
26	29.6 (0.6)	53.1 (1.8)	-12.6 (7.1)	296.0 (167.0)	26.3 (1.5)	57.8 (3.9)	-17.5 (6.7)	410.0 (167.0)
27	29.3 (1.0)	56.2 (1.4)	-12.5 (5.6)	353.0 (127.0)	26.0 (1.1)	61.2 (4.0)	-21.0 (3.6)	527.0 (111.0)
28	29.3 (0.5)	55.9 (2.7)	-11.7 (6.3)	332.0 (167.0)	25.9 (2.1)	61.0 (6.4)	-19.2 (4.8)	523.0 (139.0)
29	29.2 (0.5)	50.4 (3.2)	-12.4 (7.3)	351.0 (189.0)	25.9 (2.6)	55.2 (7.7)	-18.6 (5.6)	519.0 (151.0)
30	29.5 (0.7)	45.7 (6.3)	-14.4 (8.0)	397.0 (200.0)	26.7 (2.9)	50.0 (10.9)	-19.8 (4.1)	573.0 (121.0)
31	30.1 (1.3)	46.5 (4.2)	-15.7 (7.7)	429.0 (211.0)	27.8 (3.5)	49.2 (8.5)	-21.2 (3.7)	569.0 (114.0)
Avg	28.7	46.4	-14.8	365.0	26.2	48.7	-17.8	445.0
n	29	29	29	28	29	29	29	27
SD	1.2	6.1	5.96	115.00	1.1	7.1	4.34	99.50
Min	25.8	37.4	-28.60	169.00	23.5	39.3	-26.80	269.00
Max	30.1	56.2	-6.48	597.00	28.6	61.2	-10.70	609.00

Table F3. Daily means (SD) of environmental parameters at site IN2H for August, 2007.

Day	House 6				House 7			
	Temp., °C	RH, %	ΔP, Pa	Airflow, dsm^3s^{-1}	Temp., °C	RH, %	ΔP, Pa	Airflow, dsm^3s^{-1}
1	29.4 (2.2)	48.8 (3.9)	-20.1 (7.5)	506.0 (182.0)	28.1 (3.1)	50.1 (5.5)	-22.7 (2.2)	623.0 (61.1)
2	29.0 (2.3)	51.1 (6.9)	-27.2 (0.9)	618.0 (5.6)	28.3 (2.6)	51.7 (7.5)	-23.8 (1.4)	647.0 (6.9)
3	28.3 (2.2)	51.9 (9.9)	-24.1 (5.7)	590.0 (91.5)	27.6 (2.8)	52.5 (10.5)	-22.7 (2.2)	658.0 (11.4)
4	28.6 (0.5)	42.5 (3.4)	-14.7 (7.7)	395.0 (193.0)	26.0 (2.6)	44.5 (3.9)	-22.0 (2.3)	626.0 (66.5)
5	29.4 (0.7)	58.2 (4.7)	-17.4 (8.1)	448.0 (172.0)	26.3 (2.5)	62.9 (2.0)	-24.9 (0.9)	643.0 (9.9)
6	29.4 (1.8)	61.4 (2.7)	-20.8 (6.3)	537.0 (107.0)	28.3 (2.4)	61.6 (3.4)	-24.3 (1.2)	640.0 (8.7)
7	29.8 (2.4)	59.1 (5.3)	-28.2 (1.2)	604.0 (12.1)	29.0 (2.6)	59.2 (5.5)	-24.9 (1.4)	635.0 (11.5)
8	29.7 (1.8)	58.6 (4.1)	-25.3 (1.4)	629.0 (13.5)	29.4 (2.1)	58.3 (4.5)	-22.0 (1.3)	660.0 (8.0)
9	28.6 (1.8)	60.3 (2.9)	-24.0 (5.3)	644.0 (34.2)	28.7 (1.7)	59.3 (3.1)	-21.6 (0.9)	665.0 (6.7)
10	27.1 (2.0)	57.5 (7.4)	-22.5 (4.0)	610.0 (69.4)	27.3 (2.0)	56.1 (7.7)	-20.0 (2.3)	645.0 (58.8)
11	26.8 (3.1)	56.4 (6.7)	-25.2 (0.9)	647.0 (5.6)	27.0 (2.9)	55.2 (6.7)	-22.0 (0.6)	674.0 (7.4)
12	28.0 (2.7)	54.7 (4.8)	-25.3 (1.4)	645.0 (5.9)	27.7 (2.9)	54.5 (5.3)	-22.5 (1.3)	670.0 (6.2)
13	25.0 (2.8)	48.6 (7.7)	-30.5 (9.1)	561.0 (105.0)	24.8 (2.6)	47.4 (8.3)	-22.6 (2.1)	663.0 (31.7)
14	24.9 (3.3)	53.9 (6.4)	-39.1 (14.1)	446.0 (135.0)	24.8 (3.0)	53.2 (7.1)	-33.6 (10.0)	553.0 (108.0)
15	28.8 (0.9)	56.7 (2.5)	-15.7 (6.9)	444.0 (148.0)	26.9 (1.9)	58.6 (3.4)	-21.7 (2.2)	651.0 (38.9)
16	29.1 (0.8)	59.2 (1.4)	-10.2 (5.2)	330.0 (130.0)	25.6 (1.8)	63.4 (3.3)	-19.0 (3.8)	584.0 (111.0)
17	29.2 (0.7)	48.6 (5.9)	-7.4 (3.8)	249.0 (135.0)	24.0 (2.3)	54.6 (10.6)	-14.7 (6.3)	462.0 (194.0)
18	29.6 (0.5)	42.5 (1.7)	-6.5 (3.3)	177.0 (82.0)	23.2 (1.5)	47.7 (4.1)	-13.2 (6.9)	360.0 (184.0)
19	29.6 (0.4)	50.9 (4.6)	-5.7 (2.3)	177.0 (55.3)	21.9 (1.2)	62.2 (4.6)	-12.2 (4.5)	358.0 (115.0)
20	30.2 (0.7)	58.3 (2.5)	-7.2 (2.8)	217.0 (62.7)	23.7 (1.9)	66.9 (1.5)	-14.6 (4.3)	
21	29.9 (1.0)	60.1 (2.6)	-9.8 (7.0)		25.6 (2.3)	65.2 (2.6)	-14.9 (6.4)	
22								
23	28.8 (2.9)	58.3 (5.5)	-24.0 (3.7)		28.4 (3.0)	57.6 (5.8)	-23.2 (2.9)	
24	27.0 (2.7)	60.2 (3.8)	-26.1 (3.5)		26.7 (2.9)	59.8 (4.0)	-25.0 (3.1)	633.0 (65.0)
25	25.2 (0.8)	63.5 (4.0)	-19.8 (5.6)	550.0 (109.0)	25.1 (1.3)	62.3 (4.4)	-21.3 (3.9)	
26	25.7 (0.7)	50.1 (4.6)	-14.5 (8.3)	422.0 (197.0)	23.7 (2.2)	53.1 (8.6)	-15.3 (6.7)	
27	26.6 (1.2)	51.0 (3.8)	-15.5 (8.9)	446.0 (193.0)	24.7 (2.9)	53.9 (5.9)	-17.0 (7.3)	
28	28.3 (2.8)	52.1 (6.0)	-20.1 (7.6)	522.0 (154.0)	26.6 (4.2)	54.8 (9.2)	-20.7 (6.0)	505.0 (139.0)
29	28.8 (3.2)	54.4 (5.5)	-22.8 (4.6)	598.0 (92.2)	28.5 (3.3)	54.0 (6.0)	-22.6 (3.1)	579.0 (77.8)
30	25.2 (0.7)	56.4 (6.6)	-15.1 (6.1)	483.0 (131.0)	24.8 (1.4)	55.8 (7.2)	-17.6 (4.3)	497.0 (121.0)
31	26.3 (1.5)	45.3 (4.2)	-8.9 (5.9)		23.4 (1.8)	47.3 (6.3)	-28.7 (17.8)	442.0 (204.0)
Avg	28.1	54.4	-19.1	481.0	26.2	56.1	-21.0	586.0
n	30	30	30	26	30	30	30	24
SD	1.6	5.5	7.99	144.00	2.0	5.5	4.57	95.20
Min	24.9	42.5	-39.10	177.00	21.9	44.5	-33.60	358.00
Max	30.2	63.5	-5.73	647.00	29.4	66.9	-12.20	674.00

Table F3. Daily means (SD) of environmental parameters at site IN2H for September, 2007.

Day	House 6				House 7			
	Temp., °C	RH, %	ΔP, Pa	Airflow, dsm^3s^{-1}	Temp., °C	RH, %	ΔP, Pa	Airflow, dsm^3s^{-1}
1	28.2 (0.7)	44.7 (3.1)	-8.5 (6.2)		24.1 (2.3)	49.3 (6.6)	-39.6 (13.7)	475.0 (120.0)
2	28.3 (0.5)	46.2 (4.8)	-12.7 (9.2)		24.9 (2.7)	50.2 (8.1)	-37.0 (12.5)	497.0 (107.0)
3	29.0 (1.0)	45.5 (4.3)	-15.0 (8.3)		26.8 (2.8)	47.9 (6.2)	-33.8 (12.3)	525.0 (93.5)
4	29.3 (1.4)	45.6 (5.7)	-16.7 (7.9)		27.2 (3.4)	48.0 (8.2)	-29.2 (7.8)	563.0 (51.5)
5	29.8 (2.1)	46.0 (5.8)	-18.1 (8.3)		27.3 (3.9)	49.6 (8.8)	-30.3 (7.5)	553.0 (50.0)
6	27.9 (1.2)	52.0 (2.4)	-23.7 (7.2)		26.8 (1.8)	53.1 (2.5)	-27.3 (2.8)	593.0 (25.4)
7	27.5 (1.9)	58.0 (3.0)	-28.6 (5.3)		27.1 (2.0)	56.6 (2.9)	-26.1 (2.6)	599.0 (48.0)
8	27.9 (0.5)	62.2 (1.5)	-10.7 (3.2)		24.9 (1.2)	64.6 (1.8)	-26.6 (3.4)	624.0 (32.0)
9	28.1 (0.5)	58.9 (3.0)	-9.1 (4.3)		24.0 (1.8)	62.8 (3.7)	-29.5 (5.4)	619.0 (44.5)
10	28.2 (0.5)	52.9 (2.1)	-10.3 (5.5)		24.0 (1.9)	59.4 (4.9)	-38.7 (11.2)	532.0 (109.0)
11	28.5 (0.4)	46.3 (5.5)	-6.8 (2.8)		23.2 (0.9)	51.3 (8.8)	-51.4 (4.7)	
12	28.6 (0.5)	43.3 (2.8)	-6.1 (1.9)		25.0 (2.4)	44.3 (4.4)	-14.0 (17.4)	205.0 (107.0)
13	28.6 (0.6)	41.2 (5.2)	-8.5 (4.9)		26.4 (0.8)	40.7 (5.6)	-12.4 (8.3)	
14	28.6 (0.7)	40.7 (2.2)	-6.1 (2.2)		26.3 (1.7)	40.8 (3.3)	-7.0 (2.4)	
15	28.2 (1.0)	41.6 (2.6)	-5.2 (2.2)		27.0 (0.4)	39.8 (3.0)	-5.3 (1.6)	
16	28.1 (1.4)	41.0 (4.7)	-4.5 (1.6)		26.4 (1.1)	38.2 (5.1)	-6.9 (3.2)	
17	28.0 (1.3)	41.1 (4.5)	-7.6 (4.8)		26.7 (1.2)	39.4 (4.2)	-12.1 (9.0)	
18	28.5 (1.2)	41.7 (3.1)	-13.3 (11.0)		27.7 (1.2)	40.1 (2.0)	-15.5 (9.5)	
19								
20	28.7 (1.4)	48.3 (4.4)	-9.7 (9.4)	308.0 (185.0)	27.2 (1.4)	49.0 (5.6)	-15.4 (7.7)	422.0 (183.0)
21	29.7 (0.8)	46.0 (5.4)	-12.2 (10.7)	328.0 (181.0)	27.8 (1.6)	47.2 (6.7)	-16.3 (8.6)	403.0 (174.0)
22	28.3 (1.1)	39.9 (5.1)	-5.5 (4.5)	202.0 (83.2)	26.1 (1.0)	39.2 (6.2)	-13.7 (6.7)	367.0 (149.0)
23	28.2 (0.9)	39.5 (5.7)	-9.4 (10.1)	243.0 (191.0)	27.0 (1.3)	37.7 (4.4)	-14.3 (9.2)	345.0 (229.0)
24	29.4 (2.0)	43.1 (3.8)	-17.8 (12.8)	370.0 (212.0)	28.9 (2.3)	42.7 (3.5)	-19.5 (10.6)	442.0 (213.0)
25	28.3 (1.0)	55.4 (3.5)	-17.7 (9.6)	393.0 (132.0)	27.4 (1.0)	55.1 (3.7)	-24.9 (6.3)	560.0 (114.0)
26	28.9 (0.9)	55.6 (2.8)	-4.4 (2.9)	149.0 (62.8)	27.2 (0.5)	55.2 (2.9)	-7.8 (3.8)	
27	29.1 (1.3)	48.5 (5.0)	-4.0 (1.8)		27.6 (0.5)	46.8 (5.1)	-7.4 (4.1)	
28	28.1 (1.6)	45.0 (5.6)	-3.9 (3.0)		26.6 (1.5)	40.4 (7.3)	-8.8 (5.3)	234.0 (161.0)
29	27.6 (1.1)	42.7 (6.9)	-6.9 (4.1)	129.0 (87.9)	26.4 (0.7)	39.3 (4.7)	-13.3 (9.8)	308.0 (222.0)
30	28.5 (0.8)	39.8 (5.6)	-10.1 (7.0)	168.0 (111.0)	27.1 (1.2)	38.2 (4.7)	-16.5 (10.4)	358.0 (222.0)
Avg	28.5	46.6	-10.8	255.0	26.4	47.1	-20.7	461.0
n	29	29	29	9	29	29	29	20
SD	0.6	6.2	5.97	93.20	1.3	7.6	11.70	124.00
Min	27.5	39.5	-28.60	129.00	23.2	37.7	-51.40	205.00
Max	29.8	62.2	-3.90	393.00	28.9	64.6	-5.27	624.00

Table F3. Daily means (SD) of environmental parameters at site IN2H for October, 2007.

Day	House 6				House 7			
	Temp., °C	RH, %	ΔP, Pa	Airflow, dsm^3s^{-1}	Temp., °C	RH, %	ΔP, Pa	Airflow, dsm^3s^{-1}
1	28.9 (0.9)	46.5 (2.2)	-8.1 (4.4)	144.0 (39.9)	26.5 (0.4)	45.6 (4.4)	-13.6 (6.1)	306.0 (92.2)
2	28.9 (1.3)	49.2 (4.1)	-8.2 (5.0)	180.0 (80.7)	26.8 (0.8)	49.3 (3.7)	-16.4 (9.6)	381.0 (181.0)
3	28.8 (0.9)	45.4 (5.9)	-6.5 (3.4)	185.0 (60.0)	25.7 (0.8)	46.6 (7.4)	-14.7 (6.1)	367.0 (138.0)
4	29.1 (1.4)	44.8 (4.3)	-13.2 (11.9)	218.0 (167.0)	27.2 (1.5)	44.6 (4.5)	-16.5 (10.4)	387.0 (227.0)
5	29.3 (0.9)	52.8 (3.5)	-11.8 (10.7)	329.0 (183.0)	27.0 (2.0)	55.7 (5.0)	-18.7 (7.2)	476.0 (155.0)
6	29.2 (1.1)	55.1 (4.5)	-15.9 (10.4)	322.0 (167.0)	27.1 (2.6)	57.9 (7.3)	-22.5 (5.0)	561.0 (95.6)
7	29.9 (1.3)	51.3 (5.8)	-17.0 (10.2)	409.0 (171.0)	27.9 (2.6)	53.8 (8.1)	-22.6 (4.8)	571.0 (96.6)
8	29.3 (2.2)	48.5 (6.8)	-22.2 (11.5)	462.0 (180.0)	27.5 (3.0)	51.3 (9.0)	-22.7 (5.7)	554.0 (91.0)
9	24.3 (1.8)	46.9 (9.0)	-14.5 (8.4)	350.0 (149.0)	25.3 (1.5)	44.9 (8.5)	-11.8 (7.4)	316.0 (159.0)
10	25.3 (2.5)	44.3 (3.6)	-5.6 (2.2)	113.0 (70.5)	26.6 (1.2)	41.4 (2.2)	-7.0 (2.6)	88.0 (33.7)
11	27.9 (1.0)	46.4 (3.5)	-5.1 (2.0)	72.2 (33.3)	27.9 (0.9)	47.0 (1.4)	-3.7 (2.3)	67.1 (28.8)
12	28.0 (0.9)	44.3 (4.1)	-4.7 (1.8)	72.2 (33.5)	28.3 (0.7)	45.3 (3.0)	-2.9 (1.6)	62.2 (29.2)
13	26.8 (1.9)	47.1 (5.3)	-5.0 (2.1)	71.2 (36.4)	28.0 (1.0)	45.4 (2.7)	-3.5 (1.7)	69.9 (30.0)
14	28.7 (0.6)	43.6 (3.3)	-5.6 (2.7)	99.4 (42.2)	27.0 (0.8)	44.5 (3.1)	-4.1 (2.1)	104.0 (47.5)
15	28.3 (0.8)	43.2 (4.4)	-11.1 (8.7)	165.0 (102.0)	26.9 (1.3)	44.2 (3.8)	-7.8 (5.9)	205.0 (139.0)
16	28.7 (0.5)	48.6 (5.0)	-10.4 (3.8)	143.0 (37.6)	25.1 (0.8)	52.6 (4.9)	-7.3 (2.2)	183.0 (44.6)
17	28.8 (0.9)	50.5 (3.5)	-8.8 (3.5)	142.0 (61.1)	25.5 (0.8)	53.6 (5.1)	-7.6 (4.2)	182.0 (97.9)
18	28.6 (0.7)	54.6 (3.1)	-20.4 (7.2)	238.0 (92.6)	25.8 (1.1)	58.6 (4.5)	-15.4 (5.5)	305.0 (111.0)
19	28.2 (0.9)	50.5 (2.7)	-11.6 (3.6)	98.5 (44.2)	26.9 (0.7)	51.7 (4.2)	-9.7 (2.8)	106.0 (36.1)
20	28.0 (1.1)	44.7 (5.9)	-9.8 (3.6)	101.0 (48.7)	27.1 (1.3)	43.3 (5.1)	-7.7 (2.4)	125.0 (66.7)
21	29.1 (0.7)	39.4 (4.2)	-14.6 (6.2)	164.0 (84.6)	26.3 (0.7)	40.3 (4.6)	-10.1 (5.7)	213.0 (125.0)
22	28.9 (1.3)	43.9 (3.9)	-8.9 (2.6)	122.0 (42.1)	25.8 (1.3)	46.3 (5.3)	-5.8 (2.9)	145.0 (65.8)
23	28.1 (1.3)	48.0 (2.5)	-5.6 (2.7)	67.3 (27.9)	28.7 (0.8)	49.6 (1.6)	-1.6 (1.6)	61.7 (22.9)
24	26.4 (1.9)	47.3 (2.4)	-4.9 (2.0)	68.2 (26.6)	29.5 (1.0)	47.7 (2.6)	-1.9 (1.9)	58.4 (30.2)
25	26.0 (1.0)	48.9 (3.2)	-3.0 (2.4)	68.6 (35.7)	29.0 (0.6)	45.5 (1.7)	-0.7 (1.3)	55.9 (24.3)
26	27.0 (0.9)	45.8 (4.7)	-6.7 (3.1)	122.0 (55.7)	28.2 (1.7)	45.9 (3.6)	-4.7 (2.9)	110.0 (60.3)
27	25.8 (1.4)	52.2 (2.7)	-7.9 (2.5)	75.2 (27.7)	29.2 (0.7)	49.0 (1.4)	-5.2 (2.8)	64.5 (25.5)
28	23.5 (1.6)	48.8 (5.0)	-5.5 (2.1)	67.6 (29.0)	28.8 (1.3)	45.2 (1.8)	-2.9 (1.3)	51.1 (27.5)
29	24.7 (1.5)	46.3 (3.1)	-7.0 (2.8)	62.2 (28.1)	29.4 (0.9)	44.0 (1.8)	-5.4 (3.0)	57.1 (27.5)
30	25.6 (2.0)	46.5 (4.2)	-7.4 (3.0)	71.6 (30.7)	29.8 (0.9)	44.8 (2.9)	-4.7 (2.3)	69.3 (33.0)
31	25.8 (1.4)	47.0 (2.3)	-10.2 (3.9)	73.2 (29.2)	28.3 (1.9)	46.1 (1.7)	-7.5 (3.5)	77.0 (35.3)
Avg	27.6	47.5	-9.6	157.0	27.4	47.8	-9.2	206.0
n	31	31	31	31	31	31	31	31
SD	1.7	3.4	4.67	108.00	1.3	4.5	6.43	166.00
Min	23.5	39.4	-22.20	62.20	25.1	40.3	-22.70	51.10
Max	29.9	55.1	-3.03	462.00	29.8	58.6	-0.67	571.00

Table F3. Daily means (SD) of environmental parameters at site IN2H for November, 2007.

Day	House 6				House 7			
	Temp., °C	RH, %	ΔP, Pa	Airflow, dsm^3s^{-1}	Temp., °C	RH, %	ΔP, Pa	Airflow, dsm^3s^{-1}
1	22.4 (2.0)	45.8 (4.2)	-6.5 (3.3)	56.3 (25.2)	28.6 (1.3)	43.8 (1.4)	-3.9 (1.7)	52.0 (27.7)
2	23.6 (2.5)	45.5 (4.8)	-7.9 (4.9)	62.0 (28.0)	29.8 (0.9)	43.9 (1.9)	-3.2 (1.4)	51.5 (28.1)
3	23.0 (1.6)	45.8 (4.3)	-7.5 (3.8)	59.2 (23.7)	29.1 (1.0)	43.1 (1.9)	-3.5 (1.6)	51.3 (24.0)
4	23.5 (1.4)	46.0 (3.7)	-8.6 (4.4)	58.8 (25.6)	29.3 (0.8)	43.7 (1.9)	-5.2 (3.0)	54.5 (22.7)
5	23.5 (1.2)	46.7 (2.9)	-10.1 (4.4)	58.3 (22.8)	28.3 (1.5)	44.3 (1.9)	-6.6 (3.7)	53.6 (24.2)
6	21.0 (0.6)	46.3 (2.1)	-7.5 (4.1)	42.3 (26.8)	26.0 (1.0)	43.5 (1.5)	-11.0 (4.8)	42.6 (24.8)
7	25.0 (3.0)	45.5 (3.9)	-10.3 (5.6)	57.0 (21.8)	26.8 (0.3)	45.0 (1.3)	-10.8 (4.9)	58.5 (20.4)
8	27.9 (0.3)	41.1 (1.8)	-11.8 (5.8)	60.3 (22.1)	27.2 (0.5)	44.7 (2.1)	-9.6 (4.5)	60.4 (20.4)
9	27.7 (0.3)	42.8 (1.4)	-11.8 (6.7)	59.2 (22.7)	27.0 (0.4)	46.2 (1.3)	-12.1 (5.0)	59.9 (19.7)
10	27.6 (0.3)	44.1 (1.4)	-10.6 (6.1)	58.6 (22.0)	27.2 (0.5)	47.5 (1.5)	-10.0 (5.0)	58.7 (22.1)
11	28.2 (0.7)	45.1 (1.5)	-11.6 (5.4)	68.0 (24.6)	27.6 (0.4)	49.2 (1.4)	-9.7 (4.7)	62.7 (21.6)
12	27.7 (1.7)	50.9 (4.0)	-14.4 (6.1)	92.4 (32.7)	28.4 (0.4)	52.0 (1.3)	-13.2 (4.6)	93.0 (33.2)
13	27.8 (0.6)	47.1 (2.0)	-11.8 (5.3)	68.0 (22.5)	28.4 (0.5)	50.6 (1.6)	-9.9 (4.4)	69.1 (24.0)
14	26.9 (0.9)	46.0 (7.0)	-16.2 (5.8)	72.3 (22.5)	28.3 (0.5)	46.8 (5.6)	-14.7 (4.8)	72.5 (23.6)
15								
16	27.4 (0.4)	43.6 (1.1)	-10.1 (5.9)	53.6 (22.3)	27.3 (0.3)	47.0 (0.8)	-9.5 (4.3)	52.0 (19.5)
17	27.8 (0.3)	44.0 (1.7)	-9.3 (6.3)	56.3 (22.1)	27.6 (0.4)	48.1 (1.0)	-9.0 (4.3)	54.2 (19.1)
18	27.9 (0.4)	44.6 (1.4)	-8.8 (6.1)	58.8 (22.6)	27.5 (0.4)	49.5 (0.9)	-8.8 (4.4)	54.4 (18.9)
19	27.7 (0.8)	47.8 (3.9)	-13.4 (6.7)	68.6 (24.2)	28.1 (0.8)	51.4 (1.3)	-10.7 (4.6)	64.7 (23.5)
20	25.4 (0.4)	56.2 (1.6)	-18.5 (5.1)	93.5 (23.3)	29.0 (0.4)	52.6 (0.8)	-15.0 (3.9)	96.0 (25.2)
21	27.1 (1.1)	51.0 (4.4)	-12.4 (7.0)	77.9 (29.8)	28.5 (0.6)	52.1 (0.8)	-11.8 (4.6)	
22	27.5 (0.4)	45.3 (1.5)	-7.6 (5.7)	50.8 (23.2)	27.4 (0.4)	49.9 (1.2)	-11.0 (4.2)	
23	27.4 (0.6)	45.4 (2.4)	-9.5 (6.1)	52.1 (28.7)	27.5 (0.5)	49.3 (1.2)	-9.4 (4.4)	49.1 (23.2)
24	27.5 (0.3)	44.3 (1.3)	-9.8 (6.2)	51.3 (24.3)	27.5 (0.3)	49.6 (1.0)	-8.7 (4.4)	47.9 (20.6)
25	27.7 (0.3)	45.4 (2.1)	-10.0 (5.4)	52.8 (21.2)	27.7 (0.3)	50.7 (1.0)	-8.9 (4.4)	49.9 (20.2)
26	27.4 (0.4)	46.6 (2.1)	-10.9 (7.0)	52.0 (20.6)	27.5 (0.3)	52.1 (0.8)	-9.4 (4.5)	50.7 (18.9)
27	27.0 (0.8)	46.8 (1.7)	-12.0 (6.6)	46.2 (19.2)	27.7 (1.1)	51.3 (2.2)	-10.1 (4.5)	45.4 (19.6)
28	27.4 (1.1)	45.6 (2.0)	-12.0 (7.3)	49.0 (19.8)	28.7 (0.5)	52.9 (1.1)	-8.2 (4.4)	46.7 (19.6)
29	26.8 (0.7)	46.8 (1.5)	-11.5 (5.8)	41.6 (20.1)	27.2 (0.7)	49.0 (2.2)	-10.9 (3.8)	
30	26.5 (0.7)	43.9 (2.2)	-11.8 (7.1)	45.6 (19.8)	27.9 (0.5)	49.9 (2.7)	-10.2 (4.7)	43.2 (19.5)
Avg	26.4	46.1	-10.8	59.4	27.9	48.3	-9.5	57.5
n	29	29	29	29	29	29	29	26
SD	2.0	2.7	2.59	12.40	0.8	3.1	2.82	12.90
Min	21.0	41.1	-18.50	41.60	26.0	43.1	-15.00	42.60
Max	28.2	56.2	-6.54	93.50	29.8	52.9	-3.17	96.00

Table F3. Daily means (SD) of environmental parameters at site IN2H for December, 2007.

Day	House 6				House 7			
	Temp., °C	RH, %	ΔP, Pa	Airflow, dsm^3s^{-1}	Temp., °C	RH, %	ΔP, Pa	Airflow, dsm^3s^{-1}
1	26.0 (0.5)	44.6 (2.0)	-10.2 (6.5)	45.5 (19.6)	28.0 (0.4)	52.1 (0.9)	-7.5 (3.9)	42.5 (20.2)
2	27.8 (1.1)	48.2 (2.2)	-14.9 (7.5)	54.7 (22.8)	28.6 (0.9)	53.6 (1.9)	-11.3 (5.1)	50.1 (21.0)
3	26.4 (0.7)	48.5 (1.1)	-10.4 (6.2)	40.4 (20.8)	26.0 (1.5)	49.9 (2.6)	-10.9 (3.9)	33.6 (20.2)
4	26.4 (0.3)	45.7 (1.9)	-10.1 (6.3)	44.4 (19.1)	28.2 (0.5)	53.3 (1.1)	-8.5 (4.3)	42.9 (20.4)
5	26.7 (0.4)	46.2 (2.0)	-8.0 (7.0)	40.1 (19.7)	27.7 (0.4)	54.1 (1.4)	-8.9 (4.8)	41.9 (20.3)
6	26.8 (0.4)	47.4 (1.3)	-10.6 (6.2)	42.4 (18.9)	27.5 (0.6)	54.7 (1.1)	-8.5 (4.5)	40.8 (20.6)
7	27.1 (0.4)	46.9 (1.6)	-11.8 (7.3)	45.9 (19.3)	27.9 (0.3)	54.4 (1.1)	-9.5 (5.4)	44.9 (20.9)
8	27.4 (0.3)	47.2 (1.4)	-10.0 (6.6)	46.8 (19.5)	27.9 (0.3)	54.4 (1.1)	-9.3 (6.1)	45.1 (21.6)
9	27.4 (0.3)	47.1 (1.9)	-9.6 (7.3)	46.5 (19.6)	27.7 (0.3)	54.6 (1.1)	-8.4 (5.1)	45.9 (19.4)
10	27.2 (0.3)	48.1 (1.8)	-10.3 (6.4)	46.0 (17.6)	27.5 (0.4)	54.7 (1.0)	-9.2 (5.2)	46.3 (19.2)
11	27.6 (0.6)	49.0 (1.3)	-11.1 (7.2)	48.0 (19.3)	27.3 (0.4)	54.4 (0.9)	-10.0 (5.1)	48.7 (18.4)
12	27.8 (0.3)	47.7 (2.0)	-10.2 (6.5)	47.7 (18.2)	27.4 (0.3)	53.1 (1.4)	-9.9 (5.2)	
13	27.4 (0.5)	48.1 (1.4)	-12.5 (6.8)	45.9 (19.8)	26.8 (0.7)	52.5 (1.0)	-11.6 (5.2)	45.1 (19.4)
14	27.1 (0.4)	47.9 (1.3)	-10.5 (6.3)	44.2 (18.8)	26.7 (0.9)	52.7 (1.3)	-10.1 (5.2)	44.1 (20.6)
15	27.4 (0.4)	47.4 (1.4)	-9.4 (6.6)	46.8 (19.8)	26.9 (0.4)	54.5 (1.4)	-8.7 (5.7)	45.6 (20.3)
16	27.0 (0.6)	48.0 (2.3)	-7.5 (7.2)	35.4 (19.9)	26.6 (0.9)	54.3 (1.9)	-11.6 (5.3)	40.3 (21.1)
17	26.8 (0.4)	49.8 (1.6)	-11.6 (6.4)	40.6 (19.0)	26.1 (0.8)	56.2 (1.5)	-9.7 (5.2)	
18	27.3 (0.4)	48.7 (2.0)	-12.2 (7.2)	43.4 (19.4)	27.2 (0.4)	54.6 (1.5)	-8.6 (5.5)	
19	27.5 (0.4)	49.2 (1.5)	-12.5 (6.4)	44.1 (17.9)	26.8 (0.6)	54.0 (1.4)	-10.6 (5.5)	
20	27.4 (0.6)	49.0 (1.4)	-10.8 (7.4)	42.6 (18.9)	27.2 (0.3)	54.5 (1.0)	-8.6 (6.1)	43.6 (22.8)
21	27.9 (0.5)	48.6 (1.3)	-11.1 (6.3)	46.0 (17.0)	27.3 (0.3)	54.4 (1.4)	-8.9 (6.2)	46.4 (22.4)
22	28.5 (0.3)	49.6 (0.8)	-14.3 (7.5)	53.1 (18.2)	27.7 (0.7)	55.2 (0.7)	-11.4 (6.4)	53.3 (21.7)
23	26.7 (1.7)	48.5 (1.4)	-18.7 (5.7)	50.5 (20.6)	25.0 (2.3)	50.5 (3.2)	-11.7 (6.8)	
24	25.7 (1.8)	48.6 (1.3)	-14.4 (6.8)	40.0 (19.4)	24.8 (3.1)	51.9 (2.1)	-13.4 (6.4)	
25	27.4 (0.7)	48.6 (1.5)	-12.1 (6.2)	44.8 (16.8)	27.8 (0.6)	54.1 (1.0)	-10.6 (6.1)	
26	27.5 (0.6)	47.6 (1.8)	-11.5 (7.2)	47.3 (18.7)	27.7 (0.3)	53.5 (2.3)	-10.0 (6.0)	46.8 (20.6)
27	28.0 (0.3)	48.8 (1.2)	-12.5 (6.5)	47.1 (16.6)	27.8 (0.4)	53.5 (1.1)	-11.8 (6.1)	45.9 (18.1)
28	27.7 (0.5)	49.2 (1.5)	-12.8 (7.4)	45.9 (18.6)	27.4 (0.5)	53.4 (1.3)	-12.1 (6.4)	45.5 (18.1)
29	27.4 (0.4)	49.8 (1.4)	-12.8 (5.8)	43.2 (17.6)	27.3 (0.7)	52.9 (1.9)	-12.3 (5.4)	41.1 (19.1)
30	27.6 (0.5)	48.5 (1.3)	-10.9 (6.9)	44.4 (18.3)	28.2 (0.3)	54.3 (0.9)	-10.0 (5.7)	42.9 (18.5)
31	28.0 (0.4)	48.6 (1.3)	-12.2 (6.3)	46.6 (16.8)	28.3 (0.3)	54.3 (1.2)	-11.0 (5.4)	44.9 (17.5)
Avg	27.3	48.1	-11.5	45.2	27.3	53.7	-10.1	44.5
n	31	31	31	31	31	31	31	24
SD	0.6	1.2	2.10	3.74	0.9	1.3	1.40	3.69
Min	25.7	44.6	-18.70	35.40	24.8	49.9	-13.40	33.60
Max	28.5	49.8	-7.48	54.70	28.6	56.2	-7.48	53.30

Table F3. Daily means (SD) of environmental parameters at site IN2H for January, 2008.

Day	House 6				House 7			
	Temp., °C	RH, %	ΔP, Pa	Airflow, dsm^3s^{-1}	Temp., °C	RH, %	ΔP, Pa	Airflow, dsm^3s^{-1}
1								
2								
3	26.0 (0.7)	53.8 (1.9)	-12.7 (6.1)	37.9 (15.3)	26.4 (0.7)	58.3 (1.1)	-10.1 (4.8)	36.9 (18.5)
4	26.7 (0.7)	50.3 (2.0)	-12.7 (6.9)	43.5 (19.3)	27.8 (0.8)	54.2 (1.7)	-8.3 (4.3)	37.5 (14.4)
5	28.1 (0.7)	48.8 (1.4)	-14.3 (7.2)	49.5 (18.9)	29.0 (0.5)	53.4 (1.8)	-8.3 (4.3)	45.5 (19.1)
6	29.1 (1.2)	54.2 (2.3)	-18.5 (6.2)	59.0 (17.9)	29.6 (0.4)	56.8 (1.6)	-7.4 (3.6)	112.0 (52.2)
7	30.4 (0.5)	51.9 (1.0)	-20.4 (4.9)	104.0 (39.1)	29.3 (0.8)	55.8 (1.6)	-12.3 (4.7)	137.0 (35.0)
8	29.6 (0.5)	50.9 (0.9)	-18.6 (5.9)	85.5 (41.4)	28.9 (0.3)	55.1 (0.9)	-15.8 (4.8)	
9	27.9 (0.7)	47.9 (1.7)	-12.5 (6.6)	53.1 (35.4)	27.3 (0.4)	51.7 (1.4)	-11.7 (4.8)	51.8 (20.1)
10	28.1 (0.7)	48.3 (1.5)	-11.9 (6.5)	52.3 (22.9)	27.5 (0.4)	52.7 (1.3)	-10.4 (5.5)	54.2 (20.4)
11	27.7 (1.4)	47.6 (2.3)	-15.2 (6.8)	52.3 (40.4)	26.9 (0.8)	51.1 (1.9)	-13.0 (5.2)	50.5 (37.2)
12	27.6 (0.4)	46.8 (1.7)	-11.5 (5.7)	49.0 (19.1)	27.8 (0.3)	52.2 (1.1)	-9.9 (5.6)	50.2 (21.6)
13	27.7 (0.7)	48.1 (1.6)	-11.6 (6.8)	47.4 (22.5)	27.6 (0.8)	53.2 (1.1)	-10.6 (5.4)	48.1 (22.6)
14	26.2 (0.6)	49.4 (1.2)	-12.7 (5.2)	43.8 (19.9)	25.7 (0.9)	52.5 (1.1)	-11.6 (4.4)	42.5 (22.8)
15	25.2 (0.8)	50.6 (1.3)	-12.4 (6.7)	44.0 (23.6)	25.1 (1.0)	53.7 (1.2)	-10.6 (4.4)	43.9 (23.0)
16	25.7 (1.1)	49.5 (2.8)	-11.4 (6.1)	49.6 (33.7)	26.3 (0.8)	53.3 (1.7)	-8.9 (4.8)	51.0 (28.8)
17	26.2 (0.8)	48.9 (1.8)	-14.1 (6.2)	48.6 (23.5)	26.2 (1.1)	52.4 (1.1)	-11.6 (5.3)	52.3 (25.7)
18	25.6 (0.8)	50.2 (1.6)	-13.1 (6.2)	41.8 (21.6)	24.7 (1.9)	52.9 (1.5)	-11.6 (4.1)	43.4 (20.9)
19								
20	24.0 (0.5)	56.4 (1.2)	-11.0 (2.5)	37.5 (17.1)	23.7 (0.9)	59.1 (1.6)	-11.1 (2.3)	33.0 (13.5)
21	24.8 (1.0)	52.3 (3.0)	-11.3 (3.3)	42.2 (16.9)	26.4 (0.8)	55.1 (2.5)	-8.0 (2.0)	38.1 (12.8)
22	25.2 (0.8)	51.7 (1.3)	-14.9 (6.0)	41.8 (14.4)	25.6 (0.8)	53.1 (1.6)	-13.2 (5.2)	40.8 (19.2)
23	24.4 (0.8)	52.0 (1.4)	-12.5 (5.8)	40.4 (15.1)	25.3 (0.8)	55.8 (1.4)	-10.6 (4.8)	41.6 (22.0)
24	23.9 (0.6)	52.6 (1.9)	-12.3 (5.0)	39.5 (14.8)	24.5 (0.6)	56.5 (1.9)	-11.6 (4.8)	38.5 (23.0)
25	23.8 (0.9)	53.7 (2.6)	-11.6 (2.7)	41.9 (17.4)	24.8 (1.1)	56.7 (3.6)	-9.7 (2.3)	39.2 (15.8)
26	25.3 (1.0)	51.0 (1.3)	-13.6 (5.0)	44.8 (15.6)	26.8 (0.7)	53.7 (1.2)	-9.6 (3.0)	43.9 (16.0)
27	25.0 (0.7)	51.5 (1.5)	-12.9 (4.4)	45.0 (14.8)	26.5 (0.5)	54.5 (1.2)	-10.9 (3.7)	46.0 (20.0)
28	25.5 (0.8)	49.8 (2.7)	-15.8 (6.0)	49.2 (14.4)	26.3 (0.3)	52.4 (2.3)	-11.4 (5.2)	49.8 (22.3)
29	26.8 (2.4)	47.5 (1.7)	-21.5 (6.3)	63.9 (25.6)	26.3 (2.3)	50.3 (2.4)	-17.3 (7.8)	62.3 (27.4)
30	19.6 (4.1)	52.5 (1.4)	-16.6 (7.4)	35.9 (19.0)	21.2 (5.1)	54.2 (2.9)	-18.1 (8.7)	33.3 (20.7)
31	23.3 (0.5)	51.7 (1.4)	-10.0 (4.4)	45.5 (18.9)	26.6 (0.4)	53.7 (0.8)	-9.1 (4.7)	45.4 (22.6)
Avg	26.1	50.7	-13.8	49.6	26.4	54.1	-11.2	50.7
n	28	28	28	28	28	28	28	27
SD	2.2	2.3	2.86	14.20	1.8	2.1	2.51	22.10
Min	19.6	46.8	-21.50	35.90	21.2	50.3	-18.10	33.00
Max	30.4	56.4	-9.99	104.00	29.6	59.1	-7.39	137.00

Table F3. Daily means (SD) of environmental parameters at site IN2H for February, 2008.

Day	House 6				House 7			
	Temp., °C	RH, %	ΔP, Pa	Airflow, dsm^3s^{-1}	Temp., °C	RH, %	ΔP, Pa	Airflow, dsm^3s^{-1}
1	24.5 (0.9)	52.2 (1.4)	-13.2 (6.2)	48.2 (20.6)	26.6 (0.4)	54.5 (0.9)	-13.3 (6.2)	50.0 (21.8)
2	24.7 (0.7)	51.8 (1.4)	-14.7 (4.7)	49.2 (17.4)	26.6 (0.4)	55.2 (0.8)	-13.8 (4.9)	50.4 (21.7)
3	24.9 (0.4)	51.4 (1.2)	-13.3 (5.6)	51.3 (21.3)	26.6 (0.4)	55.5 (0.8)	-13.4 (4.9)	51.1 (21.5)
4	25.9 (1.1)	52.5 (1.9)	-15.3 (5.3)	54.0 (15.5)	27.4 (0.7)	55.9 (0.7)	-14.5 (4.7)	64.3 (27.8)
5	26.6 (0.9)	53.6 (1.3)	-15.1 (6.3)	57.7 (19.8)	27.8 (0.7)	54.3 (0.8)	-15.7 (4.7)	71.2 (29.2)
6	25.6 (0.4)	51.8 (1.5)	-13.4 (5.3)	50.0 (12.9)	26.6 (0.3)	54.2 (0.7)	-13.6 (4.4)	
7	24.7 (0.5)	52.1 (1.3)	-13.0 (5.2)	49.7 (19.8)	26.8 (0.4)	54.1 (0.8)	-13.9 (4.1)	
8	24.8 (0.8)	51.2 (1.7)	-14.1 (5.4)	51.7 (20.4)	27.0 (0.4)	53.1 (1.0)	-13.2 (4.0)	
9	25.5 (0.4)	51.7 (1.2)	-16.3 (5.2)	49.6 (17.8)	26.8 (0.5)	52.6 (1.0)	-16.9 (5.6)	50.7 (19.4)
10	22.0 (1.3)	54.8 (2.3)	-12.9 (4.9)	34.7 (22.5)	23.9 (1.0)	53.3 (3.2)	-15.7 (4.5)	32.1 (18.2)
11	21.0 (0.9)	56.7 (1.5)	-11.1 (2.9)	40.0 (12.7)	26.0 (0.9)	56.4 (1.1)	-9.6 (1.8)	37.9 (8.9)
12	22.2 (0.7)	54.8 (1.7)	-10.4 (2.5)	39.2 (6.6)	26.7 (0.4)	54.4 (0.9)	-9.3 (2.3)	44.6 (15.6)
13	22.5 (0.9)	54.1 (1.9)	-13.3 (3.5)	42.6 (13.4)	26.7 (0.3)	52.1 (1.1)	-10.3 (3.3)	44.5 (20.5)
14								
15	25.3 (1.1)	48.0 (1.0)	-30.9 (6.7)	52.0 (15.3)	25.6 (0.5)	51.6 (1.1)	-17.8 (7.1)	57.9 (25.9)
16	26.2 (1.3)	48.1 (1.2)	-32.3 (8.2)	58.0 (20.8)	25.7 (0.5)	53.8 (1.0)	-19.5 (9.7)	59.7 (30.5)
17	26.3 (2.1)	48.2 (2.7)	-30.3 (7.1)	75.8 (32.6)	26.5 (0.6)	52.2 (1.1)	-26.6 (7.2)	91.3 (36.7)
18	24.6 (0.6)	45.9 (1.4)	-27.4 (9.2)	50.8 (16.6)	25.3 (0.9)	51.0 (1.1)	-30.4 (8.4)	62.2 (24.3)
19								
20	25.7 (1.6)	48.4 (1.4)	-25.9 (9.8)	54.6 (20.6)	23.2 (0.6)	54.7 (1.6)	-26.2 (8.8)	60.5 (22.1)
21	27.1 (1.2)	47.9 (1.8)	-21.0 (11.2)	61.8 (40.4)	23.4 (0.9)	55.0 (1.9)	-22.3 (9.2)	64.1 (38.7)
22	28.1 (0.3)	47.4 (1.6)	-29.6 (8.7)		24.2 (0.6)	53.9 (1.4)	-26.6 (7.9)	
23	27.7 (0.6)	48.4 (2.4)	-32.5 (7.4)		23.7 (1.2)	54.3 (1.2)	-27.3 (7.5)	66.2 (25.2)
24	27.7 (0.7)	47.5 (2.3)	-32.4 (8.3)	54.4 (20.6)	24.2 (1.1)	54.3 (1.3)	-27.5 (8.2)	68.5 (26.8)
25	27.9 (0.7)	45.2 (1.7)	-34.4 (6.0)	60.4 (20.0)	24.9 (0.4)	53.6 (1.0)	-30.0 (6.6)	72.6 (27.3)
26	27.6 (0.5)	45.4 (1.6)	-32.0 (5.8)	61.9 (20.1)	24.5 (0.5)	53.1 (1.1)	-29.6 (6.7)	67.3 (26.0)
27	27.0 (0.5)	46.6 (1.1)	-34.3 (7.6)	55.4 (19.4)	23.6 (0.6)	54.5 (0.8)	-27.2 (7.8)	56.4 (23.1)
28	26.6 (0.5)	47.5 (1.5)	-30.1 (10.1)		23.1 (0.7)	55.7 (1.0)	-25.8 (7.6)	56.1 (23.7)
29	27.3 (0.4)	46.6 (1.6)	-34.9 (7.7)		24.3 (0.9)	54.0 (1.3)	-31.8 (8.2)	70.0 (25.5)
Avg	25.6	50.0	-22.4	52.3	25.5	54.0	-20.1	58.7
n	27	27	27	23	27	27	27	23
SD	1.9	3.2	8.96	8.50	1.4	1.3	7.24	12.60
Min	21.0	45.2	-34.90	34.70	23.1	51.0	-31.80	32.10
Max	28.1	56.7	-10.40	75.80	27.8	56.4	-9.28	91.30

Table F3. Daily means (SD) of environmental parameters at site IN2H for March, 2008.

Day	House 6				House 7			
	Temp., °C	RH, %	ΔP, Pa	Airflow, dsm^3s^{-1}	Temp., °C	RH, %	ΔP, Pa	Airflow, dsm^3s^{-1}
1	27.5 (0.4)	45.2 (1.3)	-32.3 (6.8)	60.8 (19.1)	24.6 (0.5)	52.4 (1.0)	-29.0 (6.7)	66.7 (25.8)
2								
3	26.8 (1.7)	47.6 (2.4)	-29.7 (6.5)	105.0 (59.1)	24.3 (1.7)	52.2 (2.7)	-28.9 (5.3)	125.0 (58.9)
4	28.2 (0.3)	46.6 (1.6)	-24.8 (7.3)	60.7 (22.3)	24.4 (0.4)	52.5 (1.1)	-25.9 (6.9)	64.0 (27.6)
5	28.0 (0.4)	47.1 (1.2)	-29.6 (8.1)	60.7 (22.0)	24.2 (0.8)	53.1 (0.9)	-28.1 (7.1)	62.3 (26.7)
6	28.2 (0.4)	45.8 (1.5)	-31.3 (7.4)	62.2 (22.4)	24.7 (0.6)	52.4 (1.1)	-29.9 (6.9)	70.4 (27.2)
7	28.4 (0.5)	46.3 (1.5)	-24.4 (7.5)	59.1 (26.6)	24.3 (0.6)	51.5 (1.1)	-26.6 (7.0)	63.6 (27.9)
8	28.0 (0.4)	48.2 (1.8)	-26.0 (8.6)	55.5 (22.6)	24.0 (0.7)	52.1 (1.1)	-27.9 (7.7)	58.5 (25.8)
9	28.3 (0.5)	48.1 (2.2)	-29.2 (8.2)	58.6 (21.3)	24.6 (1.1)	53.2 (1.7)	-25.7 (7.4)	65.0 (29.4)
10	28.6 (0.3)	46.5 (1.4)	-30.1 (7.4)	63.1 (24.1)	27.9 (1.3)	51.2 (1.6)	-15.2 (6.8)	61.6 (29.4)
11	28.1 (0.4)	47.1 (1.7)	-31.9 (7.6)	64.8 (22.6)	27.0 (1.0)	51.0 (1.2)	-22.8 (8.0)	69.8 (30.1)
12	27.9 (0.4)	45.2 (1.7)	-30.6 (5.7)	70.5 (25.6)	26.0 (0.4)	49.0 (1.4)	-27.3 (5.8)	89.1 (32.3)
13	28.3 (0.4)	45.1 (1.1)	-32.8 (7.0)	81.4 (29.8)	25.8 (1.0)	48.6 (1.3)	-29.6 (6.2)	109.0 (39.7)
14	27.0 (1.1)	48.7 (3.6)	-31.2 (4.9)	82.0 (25.7)	24.7 (2.4)	48.7 (1.7)	-28.7 (4.4)	119.0 (34.3)
15	26.2 (0.5)	51.6 (1.0)	-27.3 (6.8)	63.4 (24.8)	21.5 (0.5)	53.1 (1.1)	-21.8 (5.5)	74.7 (29.0)
16	26.4 (0.7)	51.5 (1.5)	-25.4 (8.9)	69.6 (37.8)	21.0 (0.5)	54.3 (2.6)	-21.1 (6.3)	70.1 (29.9)
17	26.3 (0.5)	52.1 (1.4)	-27.2 (7.4)	66.1 (24.6)	21.3 (0.7)	55.8 (2.0)	-21.4 (6.2)	71.6 (29.4)
18	27.1 (0.4)	54.4 (1.6)	-30.5 (6.0)	88.5 (31.6)	21.5 (0.8)	59.7 (1.8)	-25.9 (5.5)	112.0 (43.3)
19	26.9 (0.5)	52.8 (1.2)	-26.2 (6.8)	65.2 (23.9)	21.8 (0.4)	57.2 (1.6)	-19.8 (5.4)	65.6 (26.6)
20	26.5 (0.4)	51.1 (1.8)	-28.2 (7.9)	64.0 (24.2)	21.2 (0.8)	54.5 (4.3)	-21.0 (7.6)	69.6 (30.1)
21	26.5 (0.4)	51.6 (1.6)	-27.0 (7.3)	64.2 (24.5)	21.4 (0.8)	54.9 (1.4)	-18.7 (6.1)	69.4 (30.6)
22	26.3 (0.4)	52.1 (0.9)	-25.8 (7.5)	62.4 (25.0)	20.6 (0.7)	56.0 (2.1)	-17.8 (5.9)	62.6 (27.4)
23	26.3 (0.4)	51.8 (1.1)	-28.4 (7.7)	62.1 (22.9)	20.7 (0.5)	55.5 (2.2)	-19.8 (7.0)	66.8 (29.3)
24	26.6 (0.8)	52.0 (0.9)	-27.9 (7.2)	60.8 (22.1)	21.1 (0.9)	55.7 (2.4)	-18.7 (6.8)	63.3 (31.2)
25	27.8 (0.5)	50.0 (1.2)	-31.4 (7.3)	64.7 (24.4)	22.2 (0.3)	52.8 (2.3)	-22.8 (8.7)	79.3 (37.0)
26	28.0 (0.6)	48.3 (1.4)	-29.2 (6.9)	67.4 (23.9)	22.2 (0.7)	50.7 (2.7)	-24.1 (7.7)	87.7 (37.7)
27	28.1 (0.4)	49.6 (2.3)	-24.3 (7.1)		22.3 (0.6)	52.6 (2.8)	-20.7 (6.2)	87.7 (32.7)
28	27.5 (0.4)	51.3 (1.2)	-21.3 (7.5)	59.6 (22.4)	21.9 (0.8)	53.7 (2.8)	-19.5 (6.1)	71.8 (27.0)
29	27.7 (0.6)	51.3 (1.1)	-23.4 (8.6)	64.6 (25.4)	22.2 (0.9)	54.1 (2.9)	-19.8 (7.2)	77.1 (31.5)
30	28.1 (0.5)	52.0 (1.9)	-26.7 (7.9)	68.5 (22.8)	22.2 (0.9)	56.5 (2.0)	-23.8 (7.5)	94.3 (36.9)
31	28.4 (0.4)	55.2 (1.2)	-32.7 (4.8)	111.0 (32.7)	23.6 (0.4)	60.7 (0.9)	-28.6 (3.8)	
Avg	27.5	49.5	-28.2	68.5	23.2	53.5	-23.7	77.5
n	30	30	30	29	30	30	30	29
SD	0.8	2.8	2.94	13.00	1.9	2.8	4.10	18.00
Min	26.2	45.1	-32.80	55.50	20.6	48.6	-29.90	58.50
Max	28.6	55.2	-21.30	111.00	27.9	60.7	-15.20	125.00

Table F3. Daily means (SD) of environmental parameters at site IN2H for April, 2008.

Day	House 6				House 7			
	Temp., °C	RH, %	ΔP, Pa	Airflow, dsm^3s^{-1}	Temp., °C	RH, %	ΔP, Pa	Airflow, dsm^3s^{-1}
1	27.1 (0.8)	53.7 (1.5)	-29.8 (8.3)	82.1 (22.4)	21.4 (1.1)	57.7 (1.9)	-25.2 (8.6)	90.4 (37.6)
2	26.9 (0.6)	50.8 (1.9)	-22.4 (8.4)	66.3 (24.0)	21.5 (1.0)	53.7 (4.2)	-18.3 (6.6)	80.7 (33.3)
3	27.8 (0.6)	48.1 (2.2)	-23.1 (7.7)	75.7 (37.5)	22.4 (1.5)	52.2 (3.7)	-21.3 (7.7)	98.4 (42.9)
4	27.5 (0.5)	50.5 (2.1)	-24.0 (7.6)	72.0 (30.0)	22.6 (1.3)	56.2 (2.2)	-19.1 (8.2)	89.0 (36.5)
5	28.0 (0.6)	46.7 (3.1)	-25.7 (7.6)	87.1 (36.9)	25.2 (1.0)	48.9 (2.6)	-17.2 (11.7)	110.0 (50.0)
6	27.8 (0.9)	47.6 (2.7)	-24.8 (7.0)	101.0 (44.0)	24.2 (1.3)	49.7 (4.3)	-24.4 (6.0)	138.0 (60.1)
7	28.3 (0.6)	42.9 (3.6)	-29.0 (5.6)	114.0 (44.4)	23.8 (0.8)	49.0 (5.8)	-27.4 (5.6)	147.0 (57.3)
8	27.4 (0.5)	43.9 (3.2)	-26.1 (6.2)	124.0 (54.5)	24.3 (1.2)	48.9 (3.5)	-25.9 (7.2)	140.0 (62.5)
9	27.7 (0.4)	46.8 (1.9)	-27.7 (7.3)	85.2 (35.6)	22.5 (0.9)	53.3 (1.7)	-25.3 (6.8)	93.0 (36.2)
10	27.6 (1.1)	49.2 (3.6)	-21.5 (8.0)	92.2 (51.3)	23.1 (0.5)	55.3 (1.8)	-20.3 (5.9)	87.7 (30.2)
11	27.7 (0.6)	50.7 (2.2)	-28.5 (5.9)	115.0 (53.4)	23.7 (1.1)	55.3 (4.4)	-30.6 (6.5)	148.0 (73.1)
12	27.1 (0.4)	51.1 (1.4)	-24.8 (8.4)	65.6 (26.9)	23.0 (0.5)	54.6 (1.8)	-23.8 (6.4)	75.2 (26.5)
13	27.2 (0.4)	50.6 (1.2)	-18.2 (7.4)	59.6 (24.6)	23.4 (0.5)	55.0 (1.4)	-16.0 (5.8)	70.6 (27.4)
14	27.1 (0.5)	46.8 (2.4)	-20.6 (7.8)	64.6 (26.7)	23.6 (0.4)	49.6 (4.6)	-19.0 (7.1)	79.2 (31.2)
15	27.3 (0.6)	43.7 (2.8)	-24.5 (7.8)	72.4 (29.7)	23.4 (0.4)	46.8 (4.5)	-21.4 (8.0)	93.9 (37.6)
16	27.8 (0.6)	39.3 (4.0)	-26.9 (5.7)	106.0 (44.1)	24.4 (1.2)	42.2 (4.9)	-23.5 (7.6)	131.0 (56.3)
17	28.0 (0.6)	40.1 (2.9)	-25.6 (5.3)	159.0 (74.1)	24.6 (1.3)	43.7 (3.2)	-27.1 (6.4)	185.0 (82.2)
18	28.1 (0.7)	40.3 (4.9)	-26.5 (4.6)	174.0 (82.9)	25.2 (1.6)	43.9 (5.8)	-30.1 (3.2)	208.0 (79.9)
19	27.7 (0.5)	49.2 (3.4)	-24.0 (6.0)	96.7 (33.4)	23.9 (0.7)	53.5 (3.4)	-29.1 (4.7)	134.0 (30.7)
20	27.7 (0.4)	49.8 (2.4)	-22.6 (5.9)	99.9 (40.8)	24.3 (0.9)	54.0 (3.6)	-26.9 (5.5)	138.0 (49.4)
21	28.0 (0.5)	46.3 (5.7)	-22.4 (5.7)	125.0 (53.5)	24.9 (1.4)	50.6 (7.4)	-28.2 (4.3)	164.0 (56.3)
22	28.2 (0.5)	43.7 (4.8)	-22.3 (4.9)	158.0 (75.3)	25.3 (1.3)	48.3 (6.0)	-28.2 (3.8)	193.0 (70.1)
23	28.4 (0.5)	43.7 (3.0)	-21.7 (4.9)	177.0 (85.2)	25.6 (1.2)	47.9 (3.7)	-28.5 (3.8)	213.0 (80.5)
24	26.9 (0.9)	37.7 (7.7)	-26.8 (9.3)	250.0 (175.0)	25.6 (1.1)	40.3 (7.6)	-27.2 (5.0)	183.0 (69.4)
25	26.9 (1.6)	47.4 (5.1)	-35.3 (9.1)		26.5 (1.0)	49.9 (5.0)	-32.4 (4.2)	301.0 (122.0)
26	24.4 (0.4)	44.6 (5.2)	-27.7 (6.8)	116.0 (47.6)	24.1 (0.9)	47.5 (4.7)	-31.6 (9.6)	109.0 (37.9)
27	24.6 (0.5)	39.4 (4.3)	-22.3 (6.3)	105.0 (37.3)	24.6 (0.3)	42.9 (4.5)	-21.3 (7.6)	95.4 (36.7)
28	24.9 (0.3)	43.2 (3.6)	-21.6 (7.3)	91.9 (35.4)	24.3 (0.6)	47.8 (4.0)	-20.2 (7.7)	84.2 (33.5)
29	24.4 (0.3)	44.5 (2.6)	-19.6 (8.2)	70.5 (25.5)	24.4 (0.9)	49.5 (3.6)	-16.2 (7.1)	73.4 (31.1)
30	24.0 (0.3)	39.1 (3.5)	-21.5 (8.0)	94.3 (41.0)	24.6 (0.8)	44.5 (4.4)	-22.1 (9.5)	93.2 (39.4)
Avg	27.1	45.7	-24.6	107.0	24.0	49.8	-24.3	128.0
n	30	30	30	29	30	30	30	30
SD	1.3	4.2	3.47	41.70	1.2	4.5	4.63	52.70
Min	24.0	37.7	-35.30	59.60	21.4	40.3	-32.40	70.60
Max	28.4	53.7	-18.20	250.00	26.5	57.7	-16.00	301.00

Table F3. Daily means (SD) of environmental parameters at site IN2H for May, 2008.

Day	House 6				House 7			
	Temp., °C	RH, %	ΔP, Pa	Airflow, dsm^3s^{-1}	Temp., °C	RH, %	ΔP, Pa	Airflow, dsm^3s^{-1}
1	25.2 (1.0)	43.4 (2.9)	-21.9 (6.3)	254.0 (153.0)	25.4 (1.2)	47.6 (3.3)	-28.3 (8.8)	157.0 (69.1)
2	25.9 (0.7)	50.2 (5.9)	-21.0 (4.7)	315.0 (85.8)	25.7 (0.4)	54.3 (6.1)	-30.4 (2.7)	182.0 (48.8)
3	24.9 (0.4)	47.8 (4.7)	-22.5 (5.9)	167.0 (66.3)	24.5 (0.6)	52.4 (4.5)	-28.9 (7.5)	113.0 (38.3)
4	24.6 (0.3)	40.5 (6.9)	-19.1 (5.0)	157.0 (68.3)	25.1 (0.7)	45.0 (6.3)	-24.3 (7.7)	114.0 (47.5)
5	25.0 (0.6)	37.3 (4.7)	-21.7 (4.6)	253.0 (143.0)	25.1 (1.0)	41.9 (5.2)	-26.8 (6.3)	145.0 (61.2)
6	25.9 (1.3)	37.2 (6.0)	-25.8 (5.3)	378.0 (197.0)	26.1 (1.3)	41.1 (6.7)	-27.7 (4.5)	201.0 (93.5)
7	23.4 (1.9)	52.9 (9.1)	-34.0 (12.4)	270.0 (53.2)	25.1 (0.8)	53.3 (5.7)	-25.3 (9.8)	156.0 (48.6)
8	23.1 (2.5)	51.3 (6.3)	-30.3 (14.4)	136.0 (59.0)	24.7 (0.9)	53.3 (3.6)	-7.5 (5.5)	84.4 (35.9)
9	24.5 (0.4)	44.8 (1.3)	-23.7 (6.2)	122.0 (37.5)	24.1 (0.7)	50.6 (1.7)	-19.9 (7.8)	100.0 (39.7)
10	24.9 (0.4)	40.3 (4.4)	-21.8 (5.2)	168.0 (75.0)	25.2 (1.2)	45.9 (4.8)	-20.0 (6.7)	122.0 (51.5)
11	24.7 (0.3)	49.4 (2.5)	-23.6 (5.6)	122.0 (45.7)	24.0 (0.8)	54.8 (2.8)	-18.5 (5.5)	101.0 (36.3)
12	24.5 (0.4)	46.1 (2.5)	-23.5 (5.9)	114.0 (39.5)	24.3 (0.7)	51.4 (3.1)	-18.0 (6.7)	91.9 (38.9)
13	25.6 (1.1)	43.3 (4.9)	-23.9 (5.2)	208.0 (125.0)	25.5 (1.5)	48.7 (5.4)	-25.2 (9.9)	122.0 (51.5)
14	26.9 (0.4)	51.3 (2.5)	-25.8 (6.0)	114.0 (41.1)	24.4 (0.7)	58.1 (3.0)	-23.8 (8.1)	95.3 (33.1)
15	26.5 (1.0)	47.0 (2.6)	-22.2 (7.2)	94.6 (28.7)	24.2 (0.5)	53.5 (3.0)	-14.8 (5.3)	79.5 (33.5)
16	26.9 (0.3)	42.3 (5.3)	-25.1 (7.0)	123.0 (46.9)	25.1 (1.0)	48.1 (6.5)	-22.2 (10.8)	95.3 (39.6)
17	26.9 (0.4)	39.5 (6.0)	-24.4 (6.7)	153.0 (55.8)	25.7 (1.0)	44.5 (6.7)	-27.3 (8.6)	114.0 (38.5)
18	27.3 (0.9)	43.4 (2.3)	-24.7 (7.1)	88.5 (22.4)	25.4 (0.6)	48.9 (3.4)	-18.0 (9.0)	74.0 (28.6)
19	26.1 (1.2)	40.6 (4.7)	-25.6 (7.0)	99.9 (28.2)	25.0 (0.5)	45.3 (5.8)	-20.9 (10.2)	
20	26.9 (0.7)	42.2 (1.5)	-25.0 (7.1)	104.0 (24.7)	25.2 (0.3)	46.9 (1.5)	-20.4 (9.6)	78.1 (27.2)
21	26.9 (0.8)	38.9 (4.2)	-25.2 (7.5)	104.0 (24.9)	25.8 (0.7)	45.7 (3.5)	-19.4 (8.7)	75.8 (28.2)
22	26.4 (1.0)	37.5 (2.0)	-23.7 (6.7)	124.0 (32.8)	25.6 (0.5)	44.4 (3.5)	-19.3 (9.2)	88.8 (34.3)
23	26.6 (0.9)	41.8 (3.0)	-21.9 (6.6)	127.0 (41.6)	24.9 (0.8)	49.5 (3.8)	-24.0 (9.3)	99.2 (35.4)
24	26.4 (0.8)	38.5 (4.6)	-21.4 (6.2)	136.0 (56.4)	25.4 (1.0)	45.2 (6.9)	-21.4 (9.0)	106.0 (41.8)
25	27.2 (0.8)	37.2 (4.9)	-23.5 (6.1)	255.0 (162.0)	26.3 (1.5)	42.4 (6.8)	-26.7 (9.1)	171.0 (89.5)
26	27.1 (1.7)	47.7 (3.3)	-26.1 (5.8)	363.0 (160.0)	27.1 (1.4)	49.8 (3.3)	-32.4 (4.1)	
27								
28	26.3 (1.0)	36.2 (5.5)	-23.4 (6.9)	110.0 (37.9)	25.3 (0.8)	42.0 (7.0)	-17.2 (8.6)	87.7 (34.5)
29	26.5 (0.8)	31.8 (5.9)	-22.4 (6.7)	178.0 (88.0)	26.7 (1.1)	36.5 (7.0)	-18.5 (10.1)	126.0 (61.0)
30	26.9 (1.4)	45.6 (9.0)	-27.2 (5.3)	318.0 (180.0)	27.1 (1.0)	47.7 (7.6)	-25.0 (11.6)	221.0 (128.0)
31	25.7 (0.6)	55.4 (7.0)	-23.5 (3.4)	295.0 (104.0)	26.5 (0.8)	55.8 (6.9)	-32.5 (5.6)	199.0 (61.3)
Avg	25.9	43.4	-24.1	182.0	25.4	48.2	-22.8	121.0
n	30	30	30	30	30	30	30	28
SD	1.1	5.6	2.81	85.00	0.8	4.9	5.38	41.00
Min	23.1	31.8	-34.00	88.50	24.0	36.5	-32.50	74.00
Max	27.3	55.4	-19.10	378.00	27.1	58.1	-7.53	221.00

Table F3. Daily means (SD) of environmental parameters at site IN2H for June, 2008.

Day	House 6				House 7			
	Temp., °C	RH, %	ΔP, Pa	Airflow, dsm^3s^{-1}	Temp., °C	RH, %	ΔP, Pa	Airflow, dsm^3s^{-1}
1	26.0 (0.4)	46.4 (5.6)	-24.1 (5.7)	245.0 (116.0)	26.6 (0.9)	48.0 (5.9)	-26.9 (5.9)	167.0 (70.0)
2	27.4 (1.6)	43.8 (6.6)	-27.6 (5.9)	338.0 (198.0)	27.2 (1.4)	45.5 (7.0)	-29.3 (8.4)	252.0 (159.0)
3	26.0 (0.9)	57.7 (2.3)	-20.8 (5.9)	253.0 (88.1)	26.3 (0.7)	58.7 (2.3)	-28.0 (6.8)	179.0 (60.9)
4	27.3 (0.9)	58.4 (3.8)	-27.0 (4.5)	389.0 (157.0)	26.9 (1.0)	60.2 (3.8)	-30.3 (4.5)	257.0 (100.0)
5	29.3 (2.0)	56.1 (4.5)	-30.0 (5.4)	474.0 (124.0)	28.0 (1.6)	58.2 (4.7)	-35.7 (5.7)	377.0 (138.0)
6	28.9 (2.6)	53.8 (5.6)	-28.1 (7.0)	459.0 (100.0)	28.8 (2.8)	54.0 (6.4)	-32.2 (9.2)	411.0 (95.5)
7	27.7 (1.0)	59.4 (2.1)	-21.8 (4.4)	448.0 (139.0)	28.1 (1.2)	58.2 (1.8)	-26.3 (7.7)	
8	30.1 (2.4)	55.5 (6.5)	-24.7 (4.3)	565.0 (83.6)	31.3 (2.2)	54.4 (5.0)	-31.2 (5.0)	
9	29.0 (1.4)	54.7 (4.5)	-19.6 (8.4)	517.0 (133.0)	29.6 (2.0)	53.8 (4.8)	-30.8 (3.5)	
10	27.4 (0.8)	50.8 (6.7)	-7.1 (3.7)	271.0 (131.0)	26.0 (3.0)	54.4 (9.3)	-13.7 (8.9)	
11	28.6 (1.3)	45.6 (5.9)	-14.3 (9.3)	436.0 (206.0)	29.8 (1.1)	45.0 (5.6)	-19.6 (11.2)	370.0 (191.0)
12	29.2 (1.7)	49.8 (3.5)	-17.6 (10.3)	487.0 (194.0)	30.7 (1.8)	47.7 (2.4)	-23.6 (11.4)	
13	26.0 (1.1)	63.4 (3.0)	-12.6 (7.6)	409.0 (143.0)	29.2 (1.1)	56.3 (2.7)	-16.1 (6.1)	
14	25.3 (1.7)	50.5 (13.3)	-10.5 (8.4)	368.0 (201.0)	28.4 (0.7)	45.9 (10.5)	-17.3 (10.3)	
15	26.7 (2.2)	48.4 (4.5)	-10.2 (8.0)	330.0 (195.0)	27.9 (1.5)	45.8 (5.0)	-21.3 (9.1)	
16	26.2 (2.1)	48.7 (5.5)	-4.9 (2.8)	208.0 (113.0)	26.3 (0.8)	48.8 (6.3)	-12.3 (7.3)	202.0 (109.0)
17	21.8 (2.5)	48.5 (7.8)	-4.5 (2.5)	143.0 (56.6)	27.0 (1.7)	44.9 (5.2)	-9.6 (5.9)	108.0 (45.0)
18	22.9 (1.8)	46.4 (5.8)	-4.0 (2.2)	169.0 (81.0)	28.8 (0.8)	43.9 (3.7)	-15.1 (7.4)	130.0 (57.1)
19	23.6 (4.0)	46.5 (9.0)	-10.5 (5.5)	229.0 (136.0)	28.7 (1.4)	43.0 (5.8)	-16.6 (7.9)	156.0 (90.8)
20	28.1 (1.0)	37.3 (4.8)	-19.6 (6.9)	376.0 (225.0)	29.3 (0.8)	38.0 (6.1)	-20.1 (8.5)	
21	27.0 (0.5)	49.7 (2.8)	-19.4 (4.6)	269.0 (107.0)	29.4 (0.7)	48.6 (2.6)	-19.6 (6.5)	192.0 (82.2)
22	27.3 (0.6)	47.5 (4.5)	-20.1 (5.2)	212.0 (116.0)	29.0 (0.9)	48.0 (4.6)	-15.7 (7.7)	155.0 (92.5)
23	28.0 (1.0)	47.8 (3.2)	-18.0 (6.3)	169.0 (78.6)	27.7 (1.0)	49.3 (4.2)	-16.4 (7.8)	
24	28.8 (0.6)	46.9 (4.4)	-18.5 (5.7)	178.0 (84.9)	28.1 (1.2)	48.3 (5.3)	-18.0 (7.5)	
25	28.4 (0.5)	53.3 (3.9)	-19.9 (5.1)	241.0 (109.0)	28.9 (0.5)	53.4 (3.0)	-23.2 (6.1)	
26	28.2 (0.5)	57.2 (5.8)	-18.2 (4.5)	262.0 (118.0)	28.0 (1.1)	57.1 (5.9)	-23.2 (5.4)	268.0 (63.3)
27	28.3 (0.5)	58.3 (2.8)	-20.5 (4.7)	309.0 (153.0)	28.2 (1.0)	58.5 (3.5)	-24.6 (6.1)	
28	28.6 (0.4)	53.3 (8.5)	-19.6 (4.3)	286.0 (107.0)	28.4 (0.9)	54.0 (8.7)	-24.6 (6.0)	
29	28.5 (0.6)	49.0 (2.8)	-20.2 (5.3)	168.0 (51.3)	27.6 (0.4)	51.1 (3.4)	-19.3 (6.7)	185.0 (59.9)
30	28.2 (0.9)	44.7 (6.4)	-17.3 (6.2)	145.0 (61.6)	27.2 (0.7)	45.7 (7.4)	-15.4 (6.9)	143.0 (67.5)
Avg	27.3	51.0	-17.7	312.0	28.3	50.6	-21.9	222.0
n	30	30	30	30	30	30	30	16
SD	1.9	5.6	6.92	119.00	1.3	5.6	6.53	90.10
Min	21.8	37.3	-30.00	143.00	26.0	38.0	-35.70	108.00
Max	30.1	63.4	-3.99	565.00	31.3	60.2	-9.62	411.00

Table F3. Daily means (SD) of environmental parameters at site IN2H for July, 2008.

Day	House 6				House 7			
	Temp., °C	RH, %	ΔP, Pa	Airflow, dsm^3s^{-1}	Temp., °C	RH, %	ΔP, Pa	Airflow, dsm^3s^{-1}
1	27.8 (0.8)	40.2 (6.0)	-18.7 (5.2)	231.0 (140.0)	27.5 (1.8)	40.2 (5.9)	-20.0 (9.2)	228.0 (151.0)
2	28.9 (1.3)	47.8 (4.7)	-23.5 (5.4)	353.0 (193.0)	29.2 (1.3)	48.0 (4.2)	-26.3 (8.1)	
3	28.2 (0.7)	53.6 (4.2)	-17.8 (5.2)	178.0 (50.7)	28.5 (0.5)	54.0 (3.8)	-18.2 (6.3)	
4	28.6 (0.7)	46.3 (5.0)	-17.7 (5.6)	167.0 (68.7)	28.5 (0.7)	47.8 (5.7)	-16.3 (7.5)	
5	28.4 (0.6)	44.9 (4.1)	-18.4 (5.6)	206.0 (98.6)	27.8 (1.4)	46.7 (5.1)	-19.0 (7.7)	
6	29.1 (1.1)	48.1 (3.2)	-21.4 (5.0)	354.0 (212.0)	28.7 (1.7)	48.6 (3.4)	-23.8 (9.4)	
7	28.8 (1.3)	55.1 (2.7)	-21.2 (4.8)	395.0 (176.0)	29.5 (1.0)	54.0 (2.2)	-27.1 (6.6)	
8	28.7 (0.9)	61.9 (2.2)	-20.5 (4.7)	421.0 (156.0)	29.6 (0.9)	59.4 (2.4)	-27.5 (6.1)	
9	27.8 (0.6)	51.1 (9.9)	-16.3 (4.1)	235.0 (65.0)	28.3 (0.5)	51.4 (9.2)	-19.6 (4.9)	
10	28.6 (0.8)	48.2 (3.4)	-20.8 (5.3)	346.0 (200.0)	28.8 (1.1)	48.2 (3.7)	-24.4 (9.1)	
11	28.9 (1.5)	54.1 (3.1)	-21.1 (4.3)	385.0 (203.0)	29.5 (1.3)	52.9 (2.4)	-25.5 (7.4)	
12	28.9 (0.7)	60.6 (2.9)	-19.0 (5.0)	383.0 (135.0)	29.6 (0.9)	58.3 (2.8)	-29.3 (9.3)	
13	28.2 (0.6)	46.2 (6.7)	-17.6 (4.6)	225.0 (86.2)	25.8 (1.7)	49.2 (7.1)	-53.8 (3.1)	
14	28.7 (0.5)	44.7 (4.3)	-18.3 (4.6)	238.0 (123.0)	26.5 (3.6)	49.2 (8.3)	-34.6 (18.4)	
15	29.6 (1.7)	46.7 (4.9)	-23.2 (4.5)	409.0 (217.0)	29.9 (1.6)	46.3 (4.7)	-26.9 (10.0)	
16	29.6 (2.0)	53.5 (5.8)	-27.5 (7.1)	496.0 (153.0)	30.7 (1.2)	51.0 (4.5)	-29.8 (7.8)	
17	28.8 (1.4)	55.7 (4.6)	-22.7 (3.8)	522.0 (192.0)	29.4 (1.5)	51.8 (5.5)	-31.6 (7.3)	481.0 (136.0)
18	28.4 (2.6)	51.0 (6.7)	-24.9 (1.3)	630.0 (51.9)	28.5 (2.5)	49.8 (6.7)	-35.3 (1.8)	
19	27.6 (1.0)	59.3 (3.0)	-23.0 (3.2)	512.0 (120.0)	29.2 (0.6)	55.7 (3.1)	-31.8 (5.4)	
20	27.7 (1.5)	60.6 (5.1)	-21.6 (3.5)	468.0 (155.0)	29.3 (0.7)	57.0 (3.3)	-28.6 (6.9)	454.0 (120.0)
21	26.8 (0.7)	61.5 (4.3)	-20.4 (3.7)	407.0 (142.0)	28.9 (0.7)	57.4 (3.3)	-26.1 (6.7)	373.0 (115.0)
22	26.8 (0.7)	55.2 (5.5)	-19.9 (4.5)	329.0 (165.0)	29.1 (0.6)	51.9 (4.3)	-20.7 (6.5)	320.0 (145.0)
23	26.5 (0.4)	48.7 (6.8)	-19.8 (4.4)	281.0 (165.0)	28.4 (0.8)	47.2 (6.3)	-19.3 (5.7)	
24	27.7 (0.7)	43.6 (7.7)	-18.6 (5.1)	229.0 (135.0)	28.5 (0.8)	43.4 (7.1)	-20.8 (8.0)	287.0 (164.0)
25	28.7 (0.6)	49.5 (4.2)	-17.9 (4.4)	275.0 (171.0)	29.1 (0.8)	48.4 (3.8)	-23.1 (8.7)	
26	28.5 (0.7)	54.5 (6.9)	-17.7 (4.3)	336.0 (162.0)	29.4 (0.6)	52.4 (6.2)	-24.0 (5.5)	
27	28.4 (1.0)	47.8 (6.2)	-16.8 (4.7)	270.0 (171.0)	29.1 (0.8)	45.7 (5.1)	-22.8 (8.1)	332.0 (188.0)
28	28.4 (1.1)	52.6 (2.7)	-17.5 (3.8)	326.0 (152.0)	29.5 (0.9)	50.5 (1.7)	-25.0 (6.0)	
29	28.9 (1.8)	52.9 (6.8)	-18.5 (4.2)	426.0 (200.0)	30.3 (1.6)	50.2 (5.5)	-27.3 (6.9)	
30	28.8 (0.6)	57.5 (2.5)	-16.0 (4.4)	371.0 (129.0)	29.4 (0.5)	55.3 (2.0)	-26.4 (5.9)	
31	28.6 (0.9)	56.6 (6.3)	-15.5 (4.9)	371.0 (185.0)	29.4 (0.9)	54.2 (5.7)	-24.6 (6.0)	
Avg	28.4	51.9	-19.8	348.0	28.9	50.8	-26.1	353.0
n	31	31	31	31	31	31	31	7
SD	0.7	5.6	2.72	108.00	1.0	4.3	6.83	83.40
Min	26.5	40.2	-27.50	167.00	25.8	40.2	-53.80	228.00
Max	29.6	61.9	-15.50	630.00	30.7	59.4	-16.30	481.00

Table F3. Daily means (SD) of environmental parameters at site IN2H for August, 2008.

Day	House 6				House 7			
	Temp., °C	RH, %	ΔP, Pa	Airflow, dsm^3s^{-1}	Temp., °C	RH, %	ΔP, Pa	Airflow, dsm^3s^{-1}
1	28.1 (1.6)	60.7 (3.5)	-18.8 (6.3)	460.0 (205.0)	29.0 (1.2)	57.5 (3.3)	-27.6 (6.4)	
2	25.0 (1.7)	54.1 (10.1)	-21.0 (2.7)	574.0 (105.0)	26.7 (1.7)	51.4 (9.7)	-31.1 (2.4)	
3	25.7 (2.5)	52.9 (7.9)	-20.6 (4.6)	529.0 (174.0)	26.8 (2.0)	50.6 (6.8)	-28.7 (6.3)	
4	24.6 (1.4)	62.0 (3.5)	-22.9 (3.5)	596.0 (83.5)	26.4 (1.4)	57.7 (2.8)	-32.6 (2.7)	
5	25.1 (1.5)	64.2 (3.0)	-24.6 (3.6)	632.0 (23.2)	25.9 (1.6)	62.5 (3.4)	-31.3 (2.5)	589.0 (21.0)
6	26.0 (2.4)	56.1 (8.8)	-17.1 (7.1)	476.0 (146.0)	26.5 (1.9)	54.9 (9.2)	-27.2 (5.3)	486.0 (136.0)
7	28.2 (0.7)	50.7 (4.0)	-7.6 (3.3)	250.0 (110.0)	27.7 (0.5)	50.4 (4.0)	-19.8 (6.4)	
8	29.0 (0.6)	47.8 (4.2)	-6.6 (2.4)	195.0 (96.4)	28.2 (0.7)	47.9 (4.4)	-16.2 (6.0)	182.0 (87.8)
9	29.1 (0.4)	50.8 (3.4)	-8.1 (3.5)	208.0 (108.0)	28.3 (0.5)	50.1 (3.3)	-15.8 (7.1)	181.0 (99.3)
10	29.6 (0.6)	46.9 (4.3)	-5.6 (4.2)		27.7 (0.9)	47.9 (4.6)	-12.6 (6.4)	120.0 (51.6)
11	29.7 (1.0)	46.6 (3.4)	-6.1 (2.7)	202.0 (92.9)	27.1 (1.0)	47.6 (4.8)	-15.1 (7.0)	190.0 (105.0)
12	29.5 (0.9)	47.6 (3.9)	-7.9 (3.7)	241.0 (112.0)	27.5 (0.6)	47.6 (4.7)	-19.4 (7.2)	271.0 (140.0)
13	29.7 (1.1)	49.6 (1.8)	-6.0 (1.9)	193.0 (61.4)	28.1 (0.7)	48.9 (2.2)	-17.4 (4.8)	207.0 (71.2)
14	29.7 (0.5)	50.5 (3.3)	-7.4 (3.1)	188.0 (90.7)	28.0 (0.5)	49.9 (3.8)	-17.2 (6.4)	225.0 (115.0)
15	29.7 (0.5)	46.1 (6.1)	-7.3 (2.9)	183.0 (101.0)	27.4 (0.5)	45.4 (6.8)	-18.9 (8.7)	290.0 (184.0)
16	29.7 (0.5)	45.4 (4.6)	-8.7 (3.8)	209.0 (125.0)	26.7 (0.9)	45.5 (5.7)	-23.4 (8.7)	331.0 (191.0)
17	29.5 (0.5)	47.0 (4.3)	-10.8 (5.0)	247.0 (148.0)	27.0 (0.9)	46.8 (4.9)	-23.4 (7.9)	350.0 (179.0)
18	29.6 (0.4)	50.3 (2.6)	-13.2 (7.3)	307.0 (193.0)	27.3 (1.2)	50.4 (3.7)	-24.7 (7.4)	377.0 (166.0)
19	29.8 (0.5)	50.6 (5.6)	-12.5 (7.9)	318.0 (211.0)	27.5 (1.4)	50.9 (6.8)	-22.0 (8.1)	361.0 (190.0)
20	29.7 (0.4)	42.4 (6.6)	-9.9 (7.0)	243.0 (175.0)	27.0 (1.0)	41.7 (7.1)	-20.9 (9.4)	312.0 (202.0)
21	29.6 (0.6)	50.5 (4.1)	-13.9 (8.4)	344.0 (217.0)	27.4 (1.8)	49.6 (3.8)	-26.7 (9.5)	406.0 (200.0)
22	29.0 (0.6)	58.0 (2.7)	-15.1 (6.6)	380.0 (152.0)	27.5 (0.9)	57.4 (2.7)	-28.6 (4.1)	516.0 (82.5)
23	30.0 (1.5)	55.3 (5.9)	-17.0 (7.4)	442.0 (192.0)	28.8 (1.9)	54.6 (6.5)	-28.3 (4.9)	502.0 (108.0)
24	29.1 (0.5)	51.8 (7.5)	-11.3 (7.2)	306.0 (174.0)	26.3 (1.4)	53.1 (8.9)	-23.7 (6.3)	427.0 (161.0)
25	29.1 (0.7)	46.5 (4.5)	-9.7 (6.0)	178.0 (108.0)	26.1 (1.2)	46.5 (5.9)	-20.2 (9.4)	264.0 (167.0)
26	28.2 (0.5)	44.2 (6.2)	-14.3 (5.6)	192.0 (134.0)	25.7 (1.2)	43.0 (6.4)	-18.4 (9.2)	296.0 (203.0)
27	28.4 (0.7)	49.7 (4.8)	-17.8 (5.6)	297.0 (212.0)	27.2 (1.6)	48.9 (5.6)	-23.4 (6.4)	384.0 (186.0)
28	28.2 (0.9)	54.5 (3.2)	-19.3 (9.7)	306.0 (177.0)	26.1 (1.6)	55.1 (3.6)	-27.8 (6.2)	405.0 (171.0)
29	28.3 (1.2)	51.3 (8.9)	-15.8 (5.6)	401.0 (184.0)	27.4 (1.3)	50.3 (9.4)	-26.6 (4.2)	505.0 (106.0)
30	28.1 (1.7)	42.5 (8.5)	-15.2 (6.6)	346.0 (233.0)	27.5 (2.1)	40.9 (8.4)	-23.8 (8.5)	419.0 (193.0)
31	28.8 (2.0)	40.7 (7.0)	-17.5 (6.4)	375.0 (236.0)	28.4 (2.2)	39.0 (6.9)	-24.8 (8.5)	421.0 (182.0)
Avg	28.5	50.6	-13.2	327.0	27.3	49.8	-23.2	347.0
n	31	31	31	30	31	31	31	26
SD	1.5	5.6	5.41	132.00	0.8	5.1	5.16	119.00
Min	24.6	40.7	-24.60	178.00	25.7	39.0	-32.60	120.00
Max	30.0	64.2	-5.56	632.00	29.0	62.5	-12.60	589.00

Table F3. Daily means (SD) of environmental parameters at site IN2H for September, 2008.

Day	House 6				House 7			
	Temp., °C	RH, %	ΔP, Pa	Airflow, dsm^3s^{-1}	Temp., °C	RH, %	ΔP, Pa	Airflow, dsm^3s^{-1}
1	28.9 (2.2)	38.7 (8.3)	-16.6 (6.6)	360.0 (232.0)	28.2 (2.5)	37.3 (8.4)	-24.1 (8.4)	419.0 (192.0)
2	29.6 (2.5)	46.4 (7.5)	-18.3 (6.2)	380.0 (205.0)	28.9 (2.7)	45.0 (7.9)	-25.4 (7.1)	471.0 (177.0)
3	28.8 (1.5)	53.7 (4.4)	-17.7 (5.1)	335.0 (164.0)	26.9 (2.4)	54.7 (6.0)	-28.7 (4.1)	521.0 (98.4)
4	26.2 (0.7)	60.3 (1.7)	-17.5 (5.2)	241.0 (72.5)	25.6 (0.5)	60.1 (2.9)	-26.4 (5.3)	464.0 (97.5)
5	25.7 (0.9)	60.3 (3.3)	-16.0 (5.4)	187.0 (53.9)	25.5 (0.6)	57.8 (3.6)	-22.0 (5.6)	377.0 (89.6)
6	26.2 (0.5)	51.7 (5.2)	-15.5 (5.3)	152.0 (70.2)	24.8 (1.0)	49.9 (5.5)	-20.5 (8.4)	317.0 (171.0)
7	26.0 (0.5)	51.9 (4.8)	-18.3 (5.8)	149.0 (52.8)	25.1 (0.8)	49.9 (5.5)	-15.3 (6.4)	253.0 (87.8)
8	26.0 (0.5)	53.1 (3.8)	-16.6 (5.9)	159.0 (63.7)	25.3 (0.4)	50.9 (3.6)	-15.6 (10.9)	268.0 (138.0)
9	25.9 (0.5)	50.0 (5.0)	-15.1 (7.6)	117.0 (38.3)	24.6 (0.8)	48.6 (6.5)	-8.8 (5.4)	164.0 (69.7)
10	25.5 (0.6)	45.4 (5.2)	-15.3 (8.1)	143.0 (71.5)	24.1 (1.6)	44.8 (7.0)	-13.6 (11.3)	211.0 (131.0)
11	26.2 (1.1)	49.1 (7.6)	-14.7 (6.3)	237.0 (168.0)	25.1 (1.8)	48.2 (7.5)	-20.5 (13.7)	345.0 (208.0)
12	25.8 (0.6)	65.2 (1.8)	-16.4 (3.2)	221.0 (43.0)	25.1 (0.9)	64.1 (1.5)	-27.7 (5.2)	457.0 (66.6)
13	27.9 (1.8)	60.4 (6.0)	-21.4 (4.9)	411.0 (171.0)	27.6 (1.8)	58.5 (6.0)	-30.2 (5.0)	547.0 (75.9)
14	27.1 (0.6)	63.0 (1.7)	-17.1 (3.8)	249.0 (111.0)	26.0 (1.0)	60.8 (1.4)	-25.1 (8.7)	458.0 (184.0)
15	26.4 (0.5)	56.7 (2.8)	-15.5 (6.1)	110.0 (41.4)	25.3 (0.9)	53.2 (3.8)	-14.3 (4.6)	213.0 (82.3)
16	26.6 (0.5)	50.9 (4.8)	-14.3 (5.9)	111.0 (45.0)	25.2 (0.8)	47.6 (5.7)	-14.3 (6.1)	214.0 (102.0)
17	28.1 (1.3)	48.1 (3.9)	-14.1 (5.4)	186.0 (127.0)	26.1 (1.5)	46.5 (3.9)	-16.2 (9.1)	257.0 (169.0)
18	27.6 (0.6)	47.6 (5.5)	-16.4 (5.9)	147.0 (75.6)	26.1 (1.0)	45.9 (6.6)	-13.2 (6.7)	179.0 (104.0)
19	27.0 (1.3)	46.8 (5.7)	-19.1 (7.1)	180.0 (107.0)	23.4 (1.6)	45.6 (6.6)	-20.1 (10.9)	221.0 (152.0)
20	27.6 (0.8)	47.2 (3.9)	-19.6 (5.3)	235.0 (144.0)	23.5 (2.2)	50.7 (6.0)	-28.1 (6.6)	286.0 (175.0)
21	27.7 (0.9)	49.7 (5.3)	-20.6 (5.0)	241.0 (140.0)	23.5 (2.2)	54.0 (8.4)	-30.1 (5.8)	295.0 (172.0)
22	27.5 (1.2)	50.2 (4.5)	-19.3 (5.9)	218.0 (135.0)	22.8 (2.0)	55.2 (7.9)	-28.9 (6.5)	276.0 (171.0)
23	28.5 (0.9)	42.8 (8.1)	-20.4 (6.8)	252.0 (194.0)	23.5 (2.6)	47.5 (11.9)	-26.9 (8.4)	285.0 (185.0)
24	28.9 (1.1)	42.0 (5.5)	-21.9 (6.2)	282.0 (206.0)	24.0 (2.7)	45.2 (8.3)	-22.0 (4.9)	347.0 (213.0)
25	28.5 (0.9)	41.3 (6.2)	-20.5 (5.2)	232.0 (156.0)	23.6 (2.3)	43.8 (8.7)	-21.5 (4.4)	319.0 (207.0)
26	28.6 (0.5)	41.9 (7.6)	-18.6 (6.1)	170.0 (103.0)	22.8 (1.9)	46.2 (11.0)	-19.1 (4.2)	240.0 (147.0)
27	28.4 (0.5)	45.1 (5.9)	-19.4 (5.5)	178.0 (104.0)	23.0 (1.8)	50.7 (9.6)	-18.7 (4.0)	242.0 (148.0)
28	28.3 (0.6)	47.6 (4.1)	-19.2 (5.9)	182.0 (110.0)	22.9 (1.8)	53.9 (7.2)	-17.7 (4.8)	243.0 (161.0)
29	28.9 (0.6)	50.6 (2.1)	-19.7 (6.1)	131.0 (63.8)	22.2 (1.5)	58.7 (4.3)	-18.1 (4.6)	205.0 (117.0)
30	29.2 (0.5)	48.2 (3.0)	-19.2 (8.5)	82.0 (28.6)	20.6 (0.4)	56.6 (5.7)	-18.1 (5.8)	127.0 (42.2)
Avg	27.4	50.2	-17.8	209.0	24.7	51.1	-21.0	307.0
n	30	30	30	30	30	30	30	30
SD	1.2	6.5	2.17	80.40	1.8	6.0	5.69	109.00
Min	25.5	38.7	-21.90	82.00	20.6	37.3	-30.20	127.00
Max	29.6	65.2	-14.10	411.00	28.9	64.1	-8.83	547.00

Table F3. Daily means (SD) of environmental parameters at site IN2H for October, 2008.

Day	House 6				House 7			
	Temp., °C	RH, %	ΔP, Pa	Airflow, dsm^3s^{-1}	Temp., °C	RH, %	ΔP, Pa	Airflow, dsm^3s^{-1}
1	29.2 (0.4)	45.8 (2.3)	-16.7 (7.7)	73.3 (24.3)	20.4 (0.5)	53.3 (4.2)	-14.2 (6.4)	95.9 (33.3)
2	29.2 (0.5)	44.1 (2.7)	-19.9 (9.2)	75.6 (25.5)	20.6 (0.5)	50.0 (5.3)	-15.9 (6.9)	100.0 (36.0)
3	30.0 (0.7)	45.2 (0.9)	-17.0 (7.2)	74.1 (23.0)	20.8 (0.5)	53.3 (1.4)	-13.7 (6.1)	95.1 (32.7)
4								
5	29.8 (0.9)	40.1 (3.5)	-17.6 (9.4)		21.4 (0.8)	45.8 (6.2)	-12.3 (7.1)	
6	29.4 (1.2)	41.2 (2.9)	-18.8 (7.2)		21.9 (0.8)	47.3 (4.9)	-14.8 (5.3)	
7	29.1 (0.9)	45.6 (5.0)	-19.3 (7.7)		22.2 (1.3)	51.1 (7.3)	-18.1 (7.7)	
8	28.6 (0.7)	54.5 (1.7)	-22.3 (8.0)	89.1 (30.5)	21.2 (0.7)	62.9 (1.7)	-24.7 (7.2)	149.0 (47.4)
9	29.1 (0.9)	44.4 (6.8)	-18.7 (8.8)	86.0 (39.3)	21.2 (1.5)	49.3 (10.5)	-20.2 (8.1)	134.0 (67.1)
10	29.0 (0.6)	36.9 (6.9)	-17.3 (7.9)	104.0 (62.1)	22.0 (1.8)	37.7 (10.4)	-20.7 (8.8)	171.0 (115.0)
11	29.7 (0.9)	42.0 (2.3)	-20.1 (7.3)	209.0 (180.0)	23.5 (2.5)	45.2 (4.1)	-25.9 (10.0)	273.0 (193.0)
12	29.7 (0.9)	41.0 (6.5)	-22.3 (6.9)	225.0 (182.0)	24.0 (2.8)	44.4 (9.9)	-27.3 (9.1)	290.0 (187.0)
13	29.1 (0.7)	43.1 (4.1)	-20.9 (5.2)	211.0 (129.0)	24.3 (2.2)	45.9 (5.1)	-28.5 (7.2)	289.0 (148.0)
14	29.2 (0.9)	47.2 (5.2)	-23.1 (6.5)	119.0 (38.9)	22.3 (1.4)	52.6 (6.7)	-32.0 (8.9)	171.0 (36.6)
15	29.4 (1.2)	51.9 (6.9)	-19.3 (7.4)	122.0 (62.1)	22.2 (1.6)	59.4 (5.3)	-24.8 (7.0)	182.0 (78.5)
16	28.8 (0.8)	48.3 (5.2)	-15.9 (7.8)	73.6 (23.4)	22.0 (0.5)	52.8 (5.9)	-15.8 (7.7)	79.1 (26.4)
17	28.9 (1.0)	45.4 (2.1)	-14.7 (7.9)	69.8 (23.1)	22.4 (0.5)	49.6 (4.3)	-14.4 (7.5)	76.7 (27.3)
18	29.7 (0.4)	43.9 (2.4)	-13.5 (7.3)	66.7 (24.1)	22.2 (0.5)	47.5 (4.6)	-14.2 (7.7)	76.1 (27.8)
19	29.5 (0.6)	43.4 (2.2)	-15.2 (9.1)	64.3 (26.2)	22.3 (0.9)	46.9 (4.7)	-16.0 (9.1)	79.2 (30.4)
20	29.1 (0.6)	44.1 (3.4)	-18.8 (9.9)	74.7 (29.0)	22.9 (1.4)	47.8 (5.7)	-15.9 (9.1)	93.3 (44.4)
21	29.5 (0.7)	45.4 (2.5)	-13.0 (8.4)	57.7 (22.4)	22.0 (0.6)	48.6 (4.8)	-14.0 (8.0)	64.7 (21.2)
22	29.4 (0.5)	45.3 (1.3)	-13.0 (8.6)	54.5 (23.2)	22.4 (0.9)	48.5 (2.7)	-13.2 (7.4)	63.3 (21.7)
23	29.3 (0.6)	44.5 (2.6)	-14.9 (9.4)	60.3 (25.1)	22.4 (0.6)	47.1 (4.6)	-16.0 (8.5)	72.5 (26.4)
24	29.1 (0.5)	48.7 (3.9)	-17.5 (7.8)	64.9 (19.9)	21.6 (0.3)	55.2 (5.5)	-19.4 (7.3)	74.1 (20.6)
25	29.0 (0.3)	51.0 (0.9)	-16.6 (7.7)	56.5 (19.6)	21.1 (0.4)	57.1 (1.2)	-19.2 (7.1)	66.2 (19.2)
26	28.6 (0.9)	47.3 (2.8)	-20.3 (9.1)	57.1 (22.6)	20.9 (0.7)	51.2 (5.3)	-24.9 (10.3)	
27	28.1 (0.8)	49.5 (1.6)	-13.8 (8.6)	49.1 (23.0)	21.1 (0.9)	52.9 (2.2)	-15.2 (6.3)	62.8 (25.0)
28	28.4 (0.5)	51.3 (1.2)	-13.0 (8.4)	46.9 (23.0)	22.2 (1.1)	54.0 (2.3)	-13.6 (6.7)	61.6 (25.3)
29	30.0 (1.3)	44.8 (3.8)	-16.7 (9.6)	54.1 (21.4)	21.5 (0.8)	50.8 (3.0)	-15.6 (7.2)	62.9 (24.4)
30	30.8 (0.6)	42.1 (2.3)	-19.8 (10.2)	58.6 (18.6)	21.8 (0.7)	49.6 (4.8)	-17.3 (8.8)	74.1 (30.6)
31	30.8 (1.1)	42.2 (1.4)	-24.0 (7.2)	90.0 (37.2)	22.0 (1.8)	48.9 (3.0)	-25.5 (8.0)	
Avg	29.3	45.3	-17.8	88.4	22.0	50.2	-18.8	118.0
n	30	30	30	27	30	30	30	25
SD	0.6	3.8	3.06	48.70	0.9	4.8	5.30	71.00
Min	28.1	36.9	-24.00	46.90	20.4	37.7	-32.00	61.60
Max	30.8	54.5	-13.00	225.00	24.3	62.9	-12.30	290.00

Table F3. Daily means (SD) of environmental parameters at site IN2H for November, 2008.

Day	House 6				House 7			
	Temp., °C	RH, %	ΔP, Pa	Airflow, dsm^3s^{-1}	Temp., °C	RH, %	ΔP, Pa	Airflow, dsm^3s^{-1}
1	31.2 (0.8)	44.3 (1.5)	-21.9 (7.7)	76.3 (25.1)	21.6 (1.0)	52.9 (2.0)	-23.9 (8.2)	105.0 (42.7)
2	31.2 (0.7)	44.4 (1.1)	-21.6 (7.9)	74.7 (23.4)	21.5 (1.5)	53.7 (2.5)	-24.0 (9.0)	108.0 (43.6)
3	30.7 (1.3)	41.8 (1.8)	-24.6 (7.4)	93.4 (38.2)	23.0 (1.3)	48.3 (4.8)	-28.3 (8.0)	139.0 (58.6)
4	30.6 (1.3)	39.5 (2.2)	-22.0 (7.9)	86.5 (36.4)	22.6 (1.6)	45.8 (5.6)	-25.1 (8.5)	123.0 (59.8)
5	30.4 (1.4)	39.2 (2.1)	-21.8 (8.4)	86.7 (38.4)	22.3 (1.8)	45.4 (5.4)	-24.7 (8.8)	123.0 (64.0)
6	30.1 (1.8)	39.6 (3.1)	-23.3 (7.7)	93.7 (39.0)	22.4 (1.8)	46.9 (6.5)	-25.7 (8.0)	133.0 (63.4)
7	31.3 (0.4)	41.5 (3.7)	-23.4 (8.7)	66.3 (19.5)	21.2 (1.0)	51.4 (6.8)	-27.3 (9.2)	90.5 (30.4)
8	31.2 (0.4)	42.2 (1.9)	-18.7 (8.6)	49.2 (18.3)	20.7 (0.4)	52.7 (2.7)	-20.0 (8.0)	59.9 (25.1)
9	31.3 (0.4)	44.7 (1.0)	-17.1 (9.8)	45.2 (17.9)	20.5 (0.5)	56.0 (1.6)	-18.0 (7.8)	56.3 (24.2)
10	31.2 (0.3)	44.7 (1.1)	-16.1 (9.9)	44.1 (16.9)	21.4 (1.1)	54.9 (1.8)	-15.5 (8.6)	53.9 (25.7)
11	31.1 (0.4)	45.8 (1.2)	-16.1 (10.6)	46.7 (16.9)	22.7 (0.5)	55.9 (2.5)	-14.0 (10.0)	53.5 (28.4)
12	31.5 (0.4)	46.5 (1.6)	-18.9 (9.0)	57.8 (18.6)	22.7 (0.8)	58.5 (1.7)	-22.1 (9.8)	64.7 (21.7)
13								
14	31.7 (0.3)	47.5 (1.3)	-23.6 (7.4)	65.2 (16.1)	23.8 (0.6)	59.8 (1.7)	-26.1 (8.3)	71.5 (20.4)
15	31.4 (0.3)	47.8 (0.9)	-16.0 (8.7)	49.9 (17.3)	24.0 (0.6)	56.8 (1.3)	-16.7 (8.0)	56.8 (21.7)
16	31.2 (0.3)	45.3 (1.2)	-17.3 (8.5)	45.9 (18.8)	21.9 (0.9)	56.1 (1.9)	-19.1 (7.9)	52.6 (22.6)
17	30.9 (0.3)	47.2 (1.1)	-15.2 (9.4)	45.1 (17.7)	22.1 (0.8)	58.7 (1.4)	-16.1 (8.3)	51.2 (19.5)
18	30.4 (0.5)	46.4 (1.2)	-15.4 (9.5)	45.0 (19.1)	22.8 (0.5)	59.0 (1.5)	-14.9 (8.7)	50.1 (21.3)
19	30.9 (0.4)	46.0 (1.2)	-17.9 (9.3)	46.9 (17.2)	21.7 (0.9)	57.6 (1.9)	-18.3 (9.8)	56.4 (21.6)
20	30.4 (0.4)	46.7 (1.4)	-16.4 (9.5)	46.3 (18.1)	21.4 (0.6)	56.5 (2.0)	-21.7 (9.6)	55.0 (17.6)
21	30.1 (0.4)	48.4 (1.2)	-16.5 (10.8)	43.5 (18.3)	24.0 (1.2)	58.0 (1.7)	-17.0 (10.5)	46.7 (20.3)
22	30.4 (0.4)	48.4 (1.0)	-16.5 (9.8)	42.5 (17.5)	25.3 (1.5)	58.2 (2.3)	-15.4 (9.9)	47.0 (23.1)
23	30.8 (0.4)	46.7 (1.0)	-17.9 (10.1)	45.7 (17.2)	25.4 (0.8)	56.6 (2.2)	-16.1 (10.0)	51.1 (23.6)
24	31.2 (0.5)	47.0 (1.1)	-19.0 (8.7)	48.7 (14.9)	23.4 (1.3)	58.3 (1.5)	-19.7 (10.3)	55.1 (20.7)
25	31.0 (0.4)	47.4 (1.0)	-18.2 (8.9)	45.8 (15.8)	22.2 (0.7)	58.0 (1.7)	-21.8 (10.2)	53.1 (19.5)
26	31.1 (0.5)	47.3 (1.2)	-18.2 (8.6)	48.4 (16.7)	22.7 (0.8)	57.6 (1.7)	-19.9 (10.2)	54.3 (20.4)
27	31.2 (0.5)	47.3 (1.6)	-18.8 (9.3)	48.3 (17.5)	23.0 (1.1)	57.0 (2.0)	-20.0 (9.8)	55.5 (21.6)
28	31.2 (0.4)	46.6 (1.1)	-18.6 (8.2)	48.2 (16.5)	22.8 (0.7)	57.1 (2.0)	-20.2 (8.7)	54.9 (20.6)
29	31.0 (0.4)	46.8 (1.4)	-17.3 (9.1)	46.8 (16.5)	23.1 (1.3)	56.3 (2.7)	-17.7 (8.3)	50.1 (17.1)
30	31.3 (0.4)	47.1 (1.3)	-16.7 (7.8)	47.6 (15.3)	22.4 (0.5)	58.8 (1.8)	-17.3 (7.2)	50.6 (15.1)
Avg	31.0	45.3	-18.8	56.2	22.6	55.3	-20.2	69.7
n	29	29	29	29	29	29	29	29
SD	0.4	2.7	2.72	16.10	1.2	4.0	3.96	28.40
Min	30.1	39.2	-24.60	42.50	20.5	45.4	-28.30	46.70
Max	31.7	48.4	-15.20	93.70	25.4	59.8	-14.00	139.00

Table F3. Daily means (SD) of environmental parameters at site IN2H for December, 2008.

Day	House 6				House 7			
	Temp., °C	RH, %	ΔP, Pa	Airflow, dsm^3s^{-1}	Temp., °C	RH, %	ΔP, Pa	Airflow, dsm^3s^{-1}
1	30.9 (0.4)	47.7 (0.8)	-18.2 (8.8)	44.1 (17.6)	23.5 (1.8)	59.3 (1.6)	-19.6 (7.5)	47.1 (16.5)
2								
3	30.8 (0.4)	49.7 (1.1)	-19.1 (9.1)	48.3 (16.8)	27.3 (0.8)	58.1 (1.9)	-13.7 (6.7)	47.3 (16.4)
4	30.3 (0.4)	49.0 (1.0)	-16.4 (9.2)	42.4 (18.0)	25.6 (1.1)	59.5 (1.6)	-15.9 (6.9)	45.0 (16.7)
5	27.8 (4.5)	52.3 (4.5)	-14.7 (9.6)	37.4 (22.4)	25.6 (1.3)	60.8 (1.8)	-13.9 (7.0)	36.1 (19.7)
6	30.6 (0.4)	49.9 (1.2)	-17.6 (9.2)	42.2 (20.4)	27.7 (1.3)	59.3 (1.3)	-13.4 (7.2)	40.6 (20.0)
7	30.4 (0.3)	50.9 (1.0)	-15.7 (9.1)	38.3 (18.3)	26.0 (1.3)	61.0 (1.3)	-12.9 (6.2)	36.9 (20.1)
8	30.9 (0.5)	50.8 (1.0)	-16.5 (8.3)	44.5 (17.9)	26.7 (0.7)	59.4 (1.7)	-12.4 (7.0)	46.4 (24.5)
9	31.7 (0.5)	49.2 (1.0)	-21.2 (7.8)	54.8 (19.1)	25.5 (0.9)	59.9 (2.0)	-16.8 (7.2)	56.9 (25.5)
10	30.9 (0.3)	49.6 (1.1)	-13.1 (8.3)	41.1 (18.7)	27.2 (1.2)	58.1 (2.9)	-14.4 (7.5)	50.7 (27.0)
11	30.7 (0.4)	50.1 (1.1)	-15.5 (9.0)	43.0 (19.2)	26.7 (0.8)	58.1 (1.2)	-16.2 (9.4)	47.0 (25.7)
12	30.4 (0.5)	50.1 (1.6)	-15.9 (9.1)	41.1 (19.2)	26.3 (0.7)	58.4 (1.3)	-17.8 (9.9)	44.6 (25.2)
13	30.9 (0.5)	50.8 (0.9)	-18.6 (8.6)	44.9 (17.6)	27.3 (0.7)	57.9 (2.4)	-15.7 (9.9)	46.3 (27.0)
14	31.7 (0.5)	48.3 (0.8)	-23.6 (7.6)	56.6 (18.6)	26.6 (0.5)	56.0 (1.0)	-23.3 (10.0)	56.5 (23.1)
15	30.1 (1.1)	48.7 (2.5)	-19.0 (8.4)		25.0 (1.2)	58.7 (2.4)	-22.2 (10.8)	41.8 (26.8)
16								
17	29.7 (0.4)	50.9 (1.4)	-17.3 (8.8)	42.4 (18.2)	25.6 (0.5)	61.3 (1.3)	-17.3 (9.3)	47.0 (24.8)
18	29.5 (0.4)	51.5 (1.1)	-15.6 (8.9)	40.1 (18.7)	25.4 (1.4)	62.2 (1.7)	-15.7 (9.7)	47.0 (26.0)
19								
20								
21								
22								
23	28.8 (0.5)	56.0 (4.5)	-17.9 (4.6)				-11.6 (2.4)	
24	29.4 (0.8)	52.2 (3.6)	-20.7 (5.7)		26.2 (1.5)	58.9 (1.6)	-21.3 (8.5)	
25	29.0 (0.4)	54.0 (1.4)	-15.0 (3.7)	41.2 (11.6)	26.6 (1.4)	61.4 (1.1)	-12.1 (3.6)	
26	29.9 (0.6)	52.4 (1.6)	-19.4 (5.1)	51.3 (15.7)	26.8 (0.9)	59.9 (1.7)	-16.6 (6.0)	
27	31.2 (0.4)	51.9 (0.9)	-24.1 (3.8)		27.2 (1.1)	60.7 (1.1)	-25.6 (5.7)	
28	29.4 (1.7)	49.1 (2.0)	-21.6 (6.4)		26.0 (1.3)	56.4 (2.4)	-21.9 (8.4)	
29	30.1 (0.4)	49.3 (1.9)	-18.5 (5.2)	50.6 (13.6)	26.3 (0.4)	57.1 (1.9)	-18.1 (7.1)	
30	29.9 (0.3)	49.0 (2.1)	-17.1 (4.0)	49.8 (12.9)	26.0 (0.6)	57.1 (1.6)	-16.8 (5.3)	
31	29.1 (0.5)	50.9 (1.6)	-12.8 (4.8)	38.4 (13.6)	26.4 (0.8)	58.8 (2.0)	-16.2 (5.1)	
Avg	30.2	50.6	-17.8	44.6	26.2	59.1	-16.9	46.1
n	25	25	25	20	24	24	25	16
SD	0.9	1.8	2.84	5.37	0.9	1.6	3.62	5.52
Min	27.8	47.7	-24.10	37.40	23.5	56.0	-25.60	36.10
Max	31.7	56.0	-12.80	56.60	27.7	62.2	-11.60	56.90

Table F3. Daily means (SD) of environmental parameters at site IN2H for January, 2009.

Day	House 6				House 7			
	Temp., °C	RH, %	ΔP, Pa	Airflow, dsm^3s^{-1}	Temp., °C	RH, %	ΔP, Pa	Airflow, dsm^3s^{-1}
1	29.5 (0.6)	50.8 (1.1)	-16.8 (4.8)	44.3 (11.9)	26.8 (0.4)	59.8 (1.8)	-11.8 (4.6)	
2	30.2 (0.4)	49.2 (1.1)	-17.9 (5.0)	46.0 (12.3)	26.4 (0.6)	57.7 (1.7)	-17.2 (6.0)	
3	29.9 (0.6)	49.8 (1.0)	-14.6 (4.3)	45.8 (12.9)	26.7 (0.4)	58.9 (1.6)	-12.3 (4.9)	
4	30.3 (0.5)	49.5 (1.1)	-18.0 (5.1)	49.7 (27.0)	26.6 (0.4)	58.2 (1.3)	-17.4 (5.8)	
5	29.2 (0.4)	50.9 (0.8)	-15.1 (4.2)	42.8 (11.8)	26.7 (0.4)	59.6 (1.4)	-14.1 (4.5)	
6	29.9 (0.4)	51.3 (1.3)	-14.7 (4.4)	39.5 (9.6)	26.9 (0.5)	60.3 (1.6)	-12.4 (4.3)	
7	29.9 (0.6)	50.4 (1.0)	-18.8 (5.1)	35.1 (7.4)	25.8 (0.8)	59.7 (1.4)	-18.7 (5.6)	
8	29.3 (0.4)	51.2 (1.4)	-16.1 (4.9)	36.6 (11.3)	25.6 (0.9)	61.7 (1.1)	-15.7 (3.9)	
9	29.3 (0.4)	52.9 (1.1)	-15.1 (4.9)	43.5 (11.2)	27.2 (0.5)	61.6 (1.7)	-12.1 (3.4)	
10	29.4 (0.4)	52.7 (1.1)	-14.5 (4.6)	44.1 (11.2)	27.6 (0.5)	60.5 (1.2)	-12.7 (4.0)	
11	29.3 (0.4)	53.6 (1.0)	-16.6 (4.4)	44.5 (10.9)	27.6 (0.3)	61.2 (0.9)	-14.1 (4.0)	
12	29.3 (0.4)	53.4 (1.1)	-16.2 (4.3)	45.5 (12.6)	27.5 (0.4)	61.3 (1.2)	-13.1 (3.6)	
13	29.1 (0.7)	52.3 (1.9)	-17.4 (4.3)	42.2 (11.2)	26.5 (0.7)	61.3 (1.8)	-18.0 (5.8)	
14	28.3 (0.6)	55.1 (1.4)	-12.7 (2.6)	36.0 (6.9)	27.3 (0.4)	63.1 (1.3)	-12.0 (1.9)	
15	28.6 (0.4)	57.1 (1.2)	-16.4 (3.2)	33.3 (6.7)	27.4 (0.3)	63.8 (0.8)	-21.1 (4.5)	
16								
17								
18								
19	30.5 (0.5)	54.4 (1.6)	-11.7 (5.0)	51.8 (22.9)	26.6 (0.4)	64.8 (1.6)	-13.4 (2.2)	
20	30.0 (0.5)	55.4 (1.2)	-13.3 (4.4)	45.5 (15.6)	26.7 (0.5)	65.3 (1.2)	-13.2 (1.9)	
21	30.4 (0.5)	53.3 (1.2)	-16.9 (4.0)	43.4 (9.2)	26.6 (0.5)	64.4 (1.6)	-12.8 (1.9)	
22	30.4 (0.4)	53.2 (1.2)	-19.4 (4.3)	45.1 (10.7)	25.9 (0.6)	62.9 (2.0)	-15.1 (3.5)	
23	30.2 (0.7)	53.0 (1.1)	-19.8 (4.6)	45.7 (12.1)	25.8 (0.6)	60.7 (2.1)	-16.9 (4.9)	
24	29.1 (0.4)	54.4 (1.4)	-15.5 (4.2)	41.1 (13.7)	26.2 (0.6)	62.5 (1.9)	-12.7 (3.2)	
25	29.1 (0.3)	55.4 (1.0)	-14.8 (2.6)	36.6 (9.0)	27.2 (0.5)	62.5 (1.3)	-9.7 (1.3)	
26	29.1 (0.4)	55.3 (1.2)	-15.3 (2.7)	37.5 (5.9)	27.3 (0.4)	62.5 (1.4)	-10.1 (1.7)	
27	29.0 (0.4)	54.1 (1.5)	-14.7 (2.6)	39.9 (8.3)	27.0 (0.4)	62.3 (1.5)	-9.8 (1.0)	
28	29.0 (0.4)	53.7 (1.6)	-16.7 (4.2)	39.6 (10.9)	26.8 (0.5)	62.4 (1.4)	-12.1 (2.7)	
29	29.1 (0.5)	54.6 (1.0)	-20.9 (5.2)	41.0 (11.7)	24.5 (2.0)	62.8 (1.3)	-16.6 (5.4)	
30	28.7 (0.5)	53.6 (1.4)	-17.1 (3.2)	38.1 (11.9)	22.0 (0.7)	63.7 (1.6)	-16.6 (3.9)	
31	29.3 (0.7)	55.0 (1.5)	-17.2 (4.6)	40.2 (12.2)	22.6 (1.9)	63.0 (1.5)	-14.9 (3.2)	
Avg	29.5	53.1	-16.2	41.9	26.3	61.7	-14.2	
n	28	28	28	28	28	28	28	0
SD	0.6	2.0	2.06	4.34	1.3	1.9	2.79	
Min	28.3	49.2	-20.90	33.30	22.0	57.7	-21.10	
Max	30.5	57.1	-11.70	51.80	27.6	65.3	-9.67	

Table F3. Daily means (SD) of environmental parameters at site IN2H for February, 2009.

Day	House 6				House 7			
	Temp., °C	RH, %	ΔP, Pa	Airflow, dsm^3s^{-1}	Temp., °C	RH, %	ΔP, Pa	Airflow, dsm^3s^{-1}
1	30.3 (0.4)	54.1 (1.4)	-21.9 (3.3)	47.5 (10.5)	22.5 (1.6)	60.2 (2.0)	-24.3 (4.7)	
2	29.5 (0.5)	54.8 (1.0)	-19.4 (4.3)	44.1 (10.0)	23.8 (0.9)	59.3 (1.6)	-19.6 (5.1)	
3	28.9 (0.4)	55.1 (1.2)	-15.8 (3.8)	40.0 (12.5)	23.0 (0.4)	61.8 (1.5)	-16.4 (4.2)	
4	28.7 (0.4)	55.9 (0.9)	-15.6 (3.6)	38.8 (11.1)	23.8 (0.5)	62.7 (1.4)	-14.9 (2.8)	
5	28.8 (0.5)	55.5 (1.3)	-16.2 (3.2)	40.1 (10.8)	22.8 (1.1)	62.6 (1.4)	-15.9 (4.3)	
6	29.8 (1.0)	54.0 (1.6)	-18.5 (4.2)	45.1 (11.7)	24.7 (1.6)	59.5 (3.2)	-17.4 (4.7)	
7	31.3 (0.5)	52.1 (2.0)	-25.2 (4.0)	65.3 (15.5)	27.4 (0.9)	56.8 (1.6)	-26.6 (6.0)	
8	31.0 (0.6)	53.6 (0.9)	-19.1 (3.5)	47.2 (8.7)	26.2 (1.2)	56.6 (1.4)	-20.2 (4.9)	
9	30.8 (0.8)	52.7 (1.2)	-18.0 (4.0)	51.3 (14.4)	25.4 (1.6)	57.2 (1.2)	-21.1 (5.9)	
10	31.9 (0.4)	51.1 (1.1)	-23.5 (3.5)	79.7 (20.6)	24.9 (2.1)	58.2 (1.7)	-25.3 (7.5)	
11	31.5 (1.3)	51.0 (1.1)	-23.4 (4.3)	79.1 (36.2)	22.1 (0.9)	60.5 (3.1)	-38.9 (6.9)	
12	30.0 (0.8)	49.8 (1.6)	-21.4 (5.0)	47.6 (14.1)	22.0 (1.0)	52.7 (2.2)	-27.4 (7.3)	
13	29.9 (0.5)	50.5 (0.9)	-18.3 (4.5)	44.9 (14.0)	22.4 (0.8)	53.4 (1.9)	-24.9 (7.8)	
14	29.7 (0.4)	51.9 (1.9)	-16.9 (3.8)	37.6 (9.6)	22.8 (2.0)	55.0 (1.9)	-22.6 (9.4)	43.1 (9.8)
15	29.4 (0.5)	52.1 (1.3)	-17.2 (4.4)	35.7 (10.2)	21.3 (0.6)	55.3 (2.1)	-24.2 (5.8)	41.6 (9.0)
16	29.3 (0.7)	51.8 (0.9)	-17.8 (4.6)	35.1 (9.3)	20.9 (0.5)	56.6 (1.9)	-23.9 (6.7)	41.4 (9.5)
17	29.9 (0.7)	50.2 (1.0)	-20.3 (4.9)	37.3 (10.8)	21.8 (0.8)	54.6 (2.6)	-25.4 (6.9)	45.9 (12.5)
18	30.5 (0.4)	50.8 (2.1)	-21.8 (4.5)	42.4 (15.8)	22.3 (0.5)	56.2 (1.7)	-33.1 (7.8)	56.5 (18.3)
19	28.1 (0.5)	52.3 (1.0)	-17.2 (4.7)	33.0 (12.0)	19.5 (0.9)	59.0 (1.1)	-24.8 (4.4)	41.1 (10.9)
20	28.4 (0.4)	52.4 (1.0)	-18.0 (4.5)	33.0 (11.1)	19.8 (0.6)	58.9 (1.6)	-22.8 (6.0)	37.4 (9.1)
21	28.7 (0.5)	50.2 (1.6)	-21.1 (5.9)	34.1 (11.8)	20.2 (0.7)	57.7 (1.9)	-28.2 (9.0)	39.4 (9.1)
22	28.4 (0.4)	51.5 (1.4)	-19.2 (3.8)	31.3 (10.6)	19.7 (0.4)	58.9 (1.1)	-26.4 (5.5)	38.2 (8.9)
23	28.1 (0.6)	52.0 (0.9)	-18.2 (4.4)	31.4 (9.8)	20.6 (1.3)	59.6 (1.5)	-24.5 (6.7)	38.4 (11.1)
24	28.7 (0.6)	50.1 (1.5)	-19.1 (5.2)	35.2 (12.5)	22.1 (0.8)	57.1 (2.7)	-26.0 (6.7)	41.6 (12.9)
25	29.6 (1.3)	47.3 (2.4)	-22.5 (4.4)	41.6 (13.6)	22.5 (1.1)	54.0 (3.2)	-36.0 (9.9)	55.1 (18.8)
26	30.3 (0.4)	49.3 (1.1)	-23.0 (4.3)	49.4 (16.4)	23.3 (0.6)	58.0 (1.6)	-41.1 (5.6)	67.9 (18.0)
27	29.6 (1.0)	51.4 (2.3)	-20.0 (6.0)	42.9 (18.8)	22.9 (1.1)	57.3 (3.5)	-33.1 (8.6)	50.9 (18.9)
28	28.7 (0.4)	49.7 (1.6)	-14.8 (3.4)	34.8 (10.3)	22.4 (0.6)	54.4 (1.6)	-22.3 (4.5)	39.2 (9.4)
Avg	29.6	51.9	-19.4	43.8	22.6	57.7	-25.3	45.2
n	28	28	28	28	28	28	28	15
SD	1.0	2.0	2.64	12.30	1.9	2.6	6.35	8.42
Min	28.1	47.3	-25.20	31.30	19.5	52.7	-41.10	37.40
Max	31.9	55.9	-14.80	79.70	27.4	62.7	-14.90	67.90

Table F3. Daily means (SD) of environmental parameters at site IN2H for March, 2009.

Day	House 6				House 7			
	Temp., °C	RH, %	ΔP, Pa	Airflow, dsm^3s^{-1}	Temp., °C	RH, %	ΔP, Pa	Airflow, dsm^3s^{-1}
1	28.3 (0.4)	50.8 (0.8)	-13.3 (3.4)	30.8 (9.9)	22.6 (0.7)	55.0 (1.9)	-23.2 (6.3)	38.1 (10.2)
2	27.9 (0.5)	50.7 (1.0)	-14.4 (4.3)	30.2 (11.0)	21.6 (0.9)	55.8 (2.0)	-21.2 (5.4)	36.3 (11.3)
3	28.2 (0.5)	49.4 (1.6)	-17.0 (4.5)	33.0 (11.0)	22.0 (0.8)	55.7 (2.5)	-22.1 (6.0)	34.7 (8.1)
4	28.8 (0.7)	47.4 (1.7)	-20.0 (4.6)	39.9 (13.2)	22.9 (1.0)	51.4 (3.7)	-27.5 (7.4)	44.1 (14.1)
5	29.9 (0.9)	44.9 (2.3)	-23.1 (4.3)	78.3 (32.7)	24.0 (1.4)	49.5 (3.4)	-26.7 (6.3)	76.7 (26.9)
6	30.3 (1.2)	49.1 (2.0)	-23.2 (3.4)	98.2 (27.2)	23.4 (0.8)	57.0 (1.8)	-29.1 (4.2)	99.2 (26.7)
7	30.4 (1.3)	49.5 (2.8)	-20.3 (5.2)	95.2 (48.6)	24.8 (1.3)	56.1 (3.9)	-27.9 (6.5)	99.2 (38.5)
8	29.7 (2.9)	49.4 (2.3)	-26.2 (13.8)	76.3 (47.1)	25.3 (2.1)	55.4 (1.5)	-26.9 (9.8)	78.1 (40.9)
9	27.8 (4.2)	51.6 (2.4)	-21.2 (11.9)	60.5 (27.5)	25.4 (1.3)	53.5 (1.2)	-18.1 (3.7)	53.4 (15.0)
10	29.9 (0.8)	52.6 (2.5)	-21.2 (4.2)	102.0 (74.2)	25.1 (1.4)	58.4 (5.1)	-25.5 (8.3)	96.6 (62.2)
11	29.4 (0.7)	49.4 (2.1)	-20.8 (4.5)	44.5 (15.0)	23.2 (0.8)	54.4 (2.7)	-21.6 (5.3)	43.6 (11.8)
12	28.8 (0.5)	50.3 (1.4)	-16.1 (3.8)	46.6 (13.2)	24.0 (0.4)	53.9 (1.8)	-14.1 (3.5)	44.5 (9.5)
13	29.1 (0.6)	49.5 (1.2)	-17.7 (4.3)	48.5 (14.3)	24.3 (0.8)	53.7 (2.2)	-14.7 (4.3)	44.0 (10.4)
14	29.9 (0.6)	48.1 (2.1)	-19.5 (4.2)	54.3 (17.3)	25.3 (1.1)	51.7 (3.0)	-16.9 (5.3)	49.6 (14.8)
15	30.4 (0.5)	45.5 (3.0)	-20.7 (4.0)	63.3 (20.3)	25.6 (0.9)	48.2 (4.1)	-20.4 (7.5)	59.1 (22.0)
16	30.1 (0.7)	43.5 (3.0)	-20.7 (4.2)	69.4 (24.6)	25.4 (0.9)	46.4 (2.9)	-23.3 (8.9)	69.2 (29.2)
17	30.0 (0.9)	43.3 (2.1)	-22.5 (4.2)	89.6 (38.0)	25.2 (1.4)	47.9 (3.4)	-27.9 (8.2)	100.0 (44.4)
18	30.4 (0.9)	45.2 (1.6)	-22.3 (4.3)	72.2 (24.3)	24.6 (2.3)	50.6 (2.6)	-25.7 (5.9)	81.8 (25.2)
19	29.9 (0.4)	44.7 (3.3)	-17.4 (4.7)	54.8 (18.6)	27.9 (0.7)	46.4 (3.0)	-17.3 (4.6)	48.9 (12.9)
20	29.5 (0.4)	47.6 (1.8)	-16.7 (4.7)	50.8 (17.3)	26.7 (1.0)	50.1 (2.7)	-14.3 (4.2)	43.7 (10.6)
21	30.1 (0.4)	44.8 (2.7)	-20.2 (5.7)	61.1 (21.1)	26.9 (1.6)	46.6 (3.8)	-19.7 (6.9)	59.8 (23.4)
22	29.9 (0.7)	42.7 (3.7)	-19.8 (4.8)	68.3 (25.7)	26.4 (2.0)	43.2 (4.2)	-22.1 (8.5)	74.1 (31.0)
23	29.7 (0.6)	44.7 (2.7)	-17.2 (5.5)	60.7 (23.3)	27.5 (0.6)	46.0 (2.5)	-16.8 (5.5)	58.9 (19.5)
24	28.8 (0.5)	45.5 (4.3)	-16.2 (6.7)	65.8 (25.5)	26.1 (1.9)	42.4 (4.1)	-23.1 (9.2)	83.0 (35.5)
25	28.5 (0.9)	49.1 (2.0)	-14.0 (4.1)	66.2 (40.9)	28.8 (1.5)	48.3 (2.2)	-13.5 (4.6)	81.5 (41.6)
26	29.3 (0.4)	48.4 (1.9)	-14.3 (4.4)	55.3 (16.5)	29.5 (0.6)	47.5 (2.0)	-8.4 (2.7)	53.9 (18.6)
27	28.9 (0.4)	46.5 (2.9)	-14.4 (6.1)	64.1 (27.0)	29.3 (0.5)	46.2 (2.6)	-8.5 (3.0)	59.0 (24.9)
28	28.4 (0.4)	48.2 (1.7)	-10.2 (3.8)	71.8 (66.8)	28.7 (0.6)	47.6 (1.7)	-11.0 (7.8)	66.8 (56.8)
29	28.4 (0.6)	51.8 (2.1)	-11.5 (4.1)	42.4 (21.1)	27.1 (0.8)	51.1 (1.3)	-18.9 (4.1)	43.9 (12.1)
30	26.1 (2.9)	48.4 (3.9)	-6.3 (3.4)	52.4 (22.9)	27.2 (1.1)	48.6 (2.7)	-17.8 (5.0)	51.7 (17.9)
31	24.0 (1.9)	48.4 (5.1)	-13.4 (5.5)	67.1 (28.0)	28.5 (0.9)	48.6 (1.9)	-20.4 (5.5)	59.9 (22.6)
Avg	29.1	47.8	-17.8	61.7	25.7	50.6	-20.1	62.4
n	31	31	31	31	31	31	31	31
SD	1.3	2.6	4.28	18.30	2.1	4.2	5.63	19.60
Min	24.0	42.7	-26.20	30.20	21.6	42.4	-29.10	34.70
Max	30.4	52.6	-6.32	102.00	29.5	58.4	-8.43	100.00

Table F3. Daily means (SD) of environmental parameters at site IN2H for April, 2009.

Day	House 6				House 7			
	Temp., °C	RH, %	ΔP, Pa	Airflow, dsm^3s^{-1}	Temp., °C	RH, %	ΔP, Pa	Airflow, dsm^3s^{-1}
1	16.4 (3.4)	50.3 (2.9)	-12.7 (5.2)	75.1 (33.5)	28.0 (0.8)	46.6 (2.4)	-22.1 (7.8)	54.9 (19.6)
2	16.4 (2.7)	48.4 (5.5)	-4.2 (3.9)		27.1 (2.0)	43.3 (4.2)	-22.0 (5.8)	86.3 (42.2)
3	13.7 (2.1)	60.7 (1.7)	-0.6 (2.0)	14.2 (1.8)	28.5 (0.9)	50.3 (0.9)	-17.8 (4.9)	45.4 (13.4)
4	17.2 (2.0)	65.1 (1.2)	-1.6 (0.8)	13.4 (3.6)	27.5 (1.0)	48.9 (2.4)	-17.6 (5.9)	48.7 (15.6)
5	17.4 (1.3)	65.5 (1.5)	-2.0 (1.3)		28.2 (0.9)	50.8 (2.5)	-14.3 (4.5)	53.5 (26.7)
6	11.9 (1.9)	61.7 (1.3)	-1.6 (2.4)		27.3 (0.9)	52.7 (1.2)	-13.6 (3.3)	39.7 (10.2)
7	14.7 (3.4)	56.3 (4.3)	-6.3 (7.1)	44.6 (54.8)	27.1 (0.7)	51.6 (1.9)	-15.5 (4.0)	39.4 (9.1)
8	18.8 (2.9)	49.8 (5.0)	-5.5 (4.5)	50.2 (45.8)	28.0 (0.7)	48.2 (2.5)	-18.7 (5.9)	48.4 (15.8)
9	22.2 (1.7)	42.6 (7.0)	-6.4 (3.6)	68.0 (51.1)	26.9 (1.7)	44.2 (4.8)	-20.8 (6.3)	59.9 (24.1)
10	22.3 (2.1)	43.0 (3.7)	-5.3 (3.2)	68.8 (47.6)	28.3 (0.6)	48.0 (3.4)	-14.9 (3.7)	44.6 (12.5)
11	23.8 (0.8)	40.4 (4.0)	-11.6 (6.5)	54.0 (21.6)	27.6 (0.8)	46.9 (2.9)	-16.7 (5.6)	46.1 (15.0)
12	24.2 (1.0)	39.9 (5.0)	-14.5 (6.8)	61.5 (25.5)	27.5 (1.0)	46.2 (3.2)	-16.9 (5.5)	50.5 (18.2)
13	22.3 (2.4)	44.9 (3.7)	-10.4 (4.6)	70.4 (47.8)	27.7 (0.5)	50.1 (3.0)	-14.2 (3.3)	43.6 (16.6)
14	22.9 (1.4)	48.2 (1.6)	-12.4 (6.1)	75.3 (41.3)	28.5 (0.7)	52.9 (1.0)	-15.8 (3.9)	41.7 (11.3)
15	22.5 (0.8)	48.0 (1.5)	-15.7 (7.5)	89.6 (43.5)	28.2 (0.8)	52.1 (1.2)	-18.0 (5.4)	48.9 (17.3)
16	22.0 (1.0)	40.3 (6.1)	-19.5 (4.3)	126.0 (69.8)	26.5 (2.2)	44.6 (5.7)	-23.5 (9.3)	68.8 (32.6)
17	23.1 (1.0)	36.7 (5.2)	-20.2 (4.3)	178.0 (114.0)	26.9 (1.9)	39.8 (5.7)	-28.0 (11.3)	89.0 (47.0)
18	23.6 (0.9)	40.5 (3.5)	-21.0 (4.5)	283.0 (190.0)	26.6 (2.1)	41.8 (3.7)	-31.8 (10.8)	115.0 (53.0)
19	22.8 (0.3)	50.8 (2.5)	-19.7 (3.7)	137.0 (42.7)	25.7 (2.2)	51.6 (1.7)	-23.5 (6.5)	83.3 (25.3)
20	22.6 (0.4)	52.6 (1.8)	-21.3 (5.5)	85.0 (32.4)	28.5 (0.6)	51.1 (1.1)	-19.7 (5.6)	50.6 (23.7)
21	22.6 (0.4)	50.7 (1.7)	-20.7 (5.9)	69.1 (21.2)	27.6 (0.7)	50.2 (1.1)	-19.7 (5.4)	43.0 (13.8)
22	22.5 (0.4)	46.1 (4.3)	-19.7 (6.1)	91.5 (40.5)	26.2 (1.4)	46.8 (3.6)	-17.5 (6.2)	50.0 (19.1)
23	22.6 (0.5)	40.8 (5.1)	-19.9 (4.7)	136.0 (77.7)	24.1 (0.5)	43.8 (5.2)	-20.7 (6.4)	71.7 (32.7)
24	24.9 (2.5)	42.3 (4.9)	-27.4 (4.4)	432.0 (186.0)	25.9 (1.6)	43.2 (4.7)	-27.8 (5.6)	234.0 (138.0)
25	24.9 (2.7)	46.0 (4.1)	-27.2 (4.9)	504.0 (96.1)	26.2 (1.4)	45.1 (2.8)	-29.1 (6.2)	302.0 (141.0)
26	25.2 (3.0)	46.0 (7.2)	-27.2 (5.4)	513.0 (105.0)	26.5 (1.6)	44.7 (5.2)	-29.2 (6.9)	331.0 (148.0)
27	24.1 (2.3)	48.7 (7.7)	-26.0 (5.9)	473.0 (117.0)	25.9 (1.2)	46.8 (6.1)	-28.5 (5.6)	258.0 (90.1)
28	21.1 (0.7)	61.4 (4.0)	-18.3 (3.5)	162.0 (67.5)	23.1 (0.7)	59.7 (1.8)	-22.0 (5.9)	111.0 (44.2)
29	21.4 (0.6)	55.6 (2.5)	-19.0 (5.7)	104.0 (32.3)	23.2 (0.5)	55.9 (2.5)	-19.2 (6.1)	77.9 (22.1)
30								
Avg	21.0	49.1	-14.4	153.0	26.9	48.2	-20.7	90.9
n	29	29	29	26	29	29	29	29
SD	3.5	7.9	8.40	150.00	1.4	4.3	5.06	79.80
Min	11.9	36.7	-27.40	13.40	23.1	39.8	-31.80	39.40
Max	25.2	65.5	-0.64	513.00	28.5	59.7	-13.60	331.00

Table F3. Daily means (SD) of environmental parameters at site IN2H for May, 2009.

Day	House 6				House 7			
	Temp., °C	RH, %	ΔP, Pa	Airflow, dsm^3s^{-1}	Temp., °C	RH, %	ΔP, Pa	Airflow, dsm^3s^{-1}
1	22.1 (1.3)	57.9 (7.1)	-17.7 (4.1)	147.0 (53.5)	24.1 (0.9)	56.3 (5.9)	-22.3 (5.7)	103.0 (29.7)
2								
3								
4								
5								
6	23.7 (0.5)	52.1 (3.1)	-17.9 (2.9)	162.0 (59.8)	24.2 (0.5)	53.4 (3.4)	-22.7 (5.2)	97.3 (29.4)
7	23.8 (0.6)	55.1 (5.4)	-21.2 (5.1)	262.0 (180.0)	24.8 (1.1)	54.4 (5.4)	-23.4 (5.3)	111.0 (46.7)
8	24.0 (0.4)	58.6 (2.9)	-17.8 (2.4)	256.0 (85.3)	25.1 (1.0)	57.8 (2.9)	-23.0 (4.1)	135.0 (31.8)
9	23.3 (0.5)	53.9 (5.2)	-20.9 (5.4)	145.0 (37.7)	24.7 (0.8)	53.2 (5.6)	-26.2 (6.9)	81.1 (26.2)
10	23.0 (0.9)	49.6 (6.0)	-15.7 (5.8)	130.0 (69.8)	24.8 (0.6)	49.2 (6.0)	-19.9 (6.9)	75.4 (30.5)
11	23.0 (0.5)	45.5 (6.8)	-12.5 (6.4)	110.0 (50.8)	24.6 (0.4)	45.4 (6.5)	-18.3 (6.6)	68.0 (22.6)
12	22.8 (1.4)	38.5 (7.0)	-17.1 (4.5)	162.0 (98.5)	24.8 (0.6)	39.4 (6.9)	-20.3 (6.9)	
13	23.9 (0.7)	52.8 (6.8)	-21.5 (3.4)	209.0 (85.5)	24.9 (0.9)	53.2 (6.3)	-24.3 (5.4)	
14	23.9 (0.4)	51.6 (8.7)	-20.5 (2.8)	266.0 (82.4)	25.3 (0.9)	50.8 (8.3)	-26.4 (4.4)	123.0 (49.3)
15	23.9 (0.6)	51.6 (3.6)	-17.8 (3.7)		24.9 (0.7)	51.5 (3.9)	-20.7 (5.0)	107.0 (70.6)
16	23.9 (0.5)	56.0 (5.8)	-14.7 (3.4)		24.7 (0.5)	55.7 (6.5)	-21.0 (5.5)	87.6 (33.3)
17	22.9 (0.6)	42.7 (6.3)	-13.3 (4.3)		24.8 (0.4)	41.9 (6.2)	-16.9 (6.3)	51.0 (19.5)
18	23.7 (1.2)	38.4 (6.8)	-18.6 (6.3)		26.1 (1.4)	39.0 (6.3)	-15.7 (4.9)	64.1 (31.9)
19	24.9 (1.1)	36.8 (4.3)	-24.6 (9.7)		28.4 (1.5)	37.2 (3.6)	-15.9 (6.3)	
20	26.2 (2.0)	34.2 (6.1)	-29.0 (11.1)	369.0 (174.0)	28.9 (1.5)	34.5 (5.8)	-18.0 (11.5)	152.0 (94.3)
21	26.3 (2.2)	40.6 (3.9)	-32.9 (9.0)	411.0 (150.0)	28.8 (1.8)	39.8 (3.6)	-19.5 (12.4)	262.0 (150.0)
22	25.5 (1.6)	47.8 (4.5)	-28.5 (7.9)	420.0 (119.0)	27.5 (1.5)	45.2 (3.2)	-16.9 (8.5)	202.0 (76.5)
23	25.8 (1.5)	46.6 (4.2)	-30.4 (7.7)	386.0 (180.0)	26.5 (2.0)	46.1 (4.4)	-24.6 (6.2)	232.0 (150.0)
24	24.6 (2.5)	52.4 (6.0)	-28.8 (8.6)	423.0 (129.0)	26.8 (1.6)	48.9 (4.5)	-25.2 (6.0)	257.0 (143.0)
25	22.0 (1.2)	42.2 (7.1)	-20.5 (5.1)	278.0 (125.0)	24.9 (1.0)	40.9 (5.8)	-21.5 (4.2)	124.0 (43.6)
26	24.2 (3.1)	51.5 (8.4)	-27.6 (9.6)	369.0 (153.0)	26.4 (2.1)	48.9 (7.4)	-25.7 (6.8)	226.0 (146.0)
27	25.4 (2.4)	60.2 (7.1)	-34.6 (8.3)	459.0 (80.3)	27.2 (1.6)	57.0 (6.3)	-28.0 (6.4)	279.0 (124.0)
28	21.1 (0.7)	61.0 (3.1)	-19.8 (3.6)	226.0 (56.7)	24.4 (0.6)	56.3 (2.7)	-22.0 (5.1)	109.0 (30.3)
29	22.7 (1.3)	51.0 (5.2)	-25.9 (7.8)	286.0 (186.0)	25.4 (1.1)	48.6 (5.2)	-20.8 (5.7)	
30	23.2 (1.5)	43.3 (7.6)	-27.0 (7.7)	313.0 (165.0)	26.3 (1.2)	41.9 (6.7)	-20.9 (4.5)	139.0 (67.7)
31	22.4 (1.2)	40.6 (7.7)	-20.2 (6.9)	269.0 (132.0)	25.3 (1.3)	39.5 (6.8)	-20.7 (3.8)	126.0 (50.0)
Avg	23.8	48.6	-22.1	275.0	25.7	47.6	-21.5	140.0
n	27	27	27	22	27	27	27	23
SD	1.3	7.4	5.92	105.00	1.4	6.8	3.25	67.20
Min	21.1	34.2	-34.60	110.00	24.1	34.5	-28.00	51.00
Max	26.3	61.0	-12.50	459.00	28.9	57.8	-15.70	279.00

Table F4. PM10 concentrations and emissions.

Table F4. Daily means (SD) of PM10 at site IN2H for June, 2007.

Day	Concentration, µg·dsm^{-3}			House 6 emission				House 7 emission			
	Inlet	House 6	House 7	g·d^{-1}	mg·d^{-1}m^{-2}	mg·d^{-1}hd^{-1}	g·d^{-1}AU^{-1}	g·d^{-1}	mg·d^{-1}m^{-2}	mg·d^{-1}hd^{-1}	g·d^{-1}AU^{-1}
1	149 (58)	232 (205)	266 (99)	3390 (8100)	561 (1340)	14.60 (34.90)	5.100 (12.200)	4610 (3820)	763 (633)	20.60 (17.10)	6.560 (5.440)
2	141 (82)	235 (185)	269 (119)	4070 (8400)	674 (1390)	17.50 (36.20)	6.140 (12.700)	5030 (4210)	833 (697)	22.50 (18.80)	7.160 (5.990)
3	149 (61)	304 (215)	290 (114)	5140 (6830)	851 (1130)	22.10 (29.40)	7.760 (10.300)	4040 (2690)	670 (446)	18.10 (12.00)	5.760 (3.830)
4	93 (59)	330 (246)	400 (284)	4540 (4650)	752 (770)	19.60 (20.00)	6.880 (7.040)	4190 (3180)	694 (526)	18.70 (14.20)	5.970 (4.520)
5	105 (68)		493 (266)					3580 (2620)	593 (434)	16.00 (11.70)	5.100 (3.730)
6	102 (59)	373 (318)	510 (425)	5430 (8670)	900 (1440)	23.40 (37.30)	8.260 (13.200)	7490 (8230)	1240 (1360)	33.50 (36.80)	10.700 (11.700)
7	105 (85)										
8	85 (57)										
9	91 (48)	219 (149)		3140 (4020)	520 (666)	13.50 (17.30)	4.790 (6.130)				
10	65 (45)	144 (120)		2270 (3910)	377 (648)	9.80 (16.90)	3.450 (5.930)				
11	108 (79)	147 (135)		1560 (5510)	258 (913)	6.70 (23.80)	2.350 (8.320)				
12	127 (92)										
13											
14											
15	116 (34)										
16	196 (640)	171 (73)	151 (77)	1720 (1880)	284 (311)	7.41 (8.10)	2.540 (2.770)	-378 (1690)	-63 (279)	-3.31 (14.80)	-1.080 (4.720)
17	147 (54)	158 (68)	122 (45)	675 (2800)	112 (463)	2.91 (12.10)	0.997 (4.130)	-1010 (1590)	-167 (264)	-13.60 (20.30)	-4.540 (6.790)
18	133 (57)	155 (77)	147 (56)	1130 (2490)	187 (413)	4.88 (10.70)	1.670 (3.680)	-33 (1390)	-5 (230)	16.60 (125.00)	5.770 (43.200)
19	104 (47)	139 (59)		1880 (2400)	311 (398)	8.10 (10.40)	2.780 (3.550)				
20	155 (87)	221 (137)	249 (185)	1390 (1810)	230 (299)	5.98 (7.79)	2.050 (2.670)	3460 (4290)	573 (711)	59.10 (74.60)	22.100 (27.900)
21	171 (99)	145 (81)	323 (198)	-1300 (2100)	-216 (347)	-5.62 (9.05)	-1.930 (3.100)	7780 (7670)	1290 (1270)	87.60 (86.10)	34.300 (33.700)
22	173 (132)	110 (57)	358 (241)	-2260 (3460)	-374 (573)	-9.73 (14.90)	-3.330 (5.110)	7210 (5770)	1190 (955)	61.70 (49.00)	25.200 (20.100)
23	173 (111)	158 (62)	677 (337)	-575 (2170)	-95 (360)	-2.48 (9.37)	-0.848 (3.210)	8890 (5640)	1470 (935)	64.80 (40.30)	27.000 (16.800)
24											
25											
26	191 (112)	140 (73)	456 (262)	-2330 (3220)	-387 (533)	-10.10 (13.90)	-3.430 (4.720)	13400 (8900)	2220 (1470)	74.10 (49.00)	30.900 (20.400)
27	177 (104)	148 (108)	508 (305)	-956 (4090)	-158 (678)	-4.13 (17.70)	-1.400 (6.000)	16300 (12400)	2690 (2050)	82.80 (62.20)	34.500 (25.900)
28	170 (98)	104 (59)	561 (292)	-2690 (2670)	-446 (443)	-11.60 (11.50)	-3.940 (3.910)	18700 (12000)	3100 (1980)	88.60 (55.90)	36.900 (23.300)
29	147 (71)	122 (62)	542 (255)	-986 (2330)	-163 (386)	-4.26 (10.10)	-1.440 (3.400)	12900 (7400)	2130 (1230)	57.00 (32.70)	23.700 (13.600)
30	140 (109)	108 (76)	456 (291)	-812 (2970)	-134 (492)	-3.50 (12.80)	-1.180 (4.320)	10400 (7180)	1720 (1190)	44.80 (30.90)	18.700 (12.900)
Avg	135	184	376	1160	193	5.01	1.770	7030	1160	41.60	16.400
n	26	21	18	21	21	21	21	18	18	18	18
SD	34.6	73.2	155.0	2450.0	406.0	10.60	3.680	5440.0	901.0	30.60	12.900
Min	65	104	122	-2690	-446	-11.60	-3.940	-1010	-167	-13.60	-4.540
Max	196	373	677	5430	900	23.40	8.260	18700	3100	88.60	36.900

Table F4. Daily means (SD) of PM10 at site IN2H for July, 2007.

Day	Concentration, µg·dsm^{-3}			House 6 emission				House 7 emission			
	Inlet	House 6	House 7	g·d^{-1}	mg·d^{-1}m^{-2}	mg·d^{-1}hd^{-1}	g·d^{-1}AU^{-1}	g·d^{-1}	mg·d^{-1}m^{-2}	mg·d^{-1}hd^{-1}	g·d^{-1}AU^{-1}
1	134 (76)	107 (78)	446 (293)	-1220 (2500)	-202 (414)	-5.23 (10.70)	-1.770 (3.630)	9830 (8470)	1630 (1400)	42.30 (36.50)	17.600 (15.200)
2	104 (73)	109 (65)	359 (208)	-550 (2850)	-91 (472)	-2.34 (12.20)	-0.794 (4.130)	6170 (4250)	1020 (703)	26.60 (18.30)	11.100 (7.620)
3	162 (124)		383 (229)					8230 (10400)	1360 (1720)	35.40 (44.80)	14.800 (18.600)
4	244 (119)		630 (264)					17900 (9570)	2970 (1580)	77.20 (41.20)	32.200 (17.200)
5	206 (143)		554 (271)					15200 (8530)	2520 (1410)	65.60 (36.70)	27.300 (15.300)
6	174 (124)		557 (283)					15000 (7370)	2480 (1220)	64.40 (31.70)	26.800 (13.200)
7	207 (143)		528 (330)					11700 (6260)	1940 (1040)	50.50 (27.00)	21.000 (11.200)
8	210 (119)		508 (280)					14400 (12700)	2390 (2100)	62.20 (54.50)	25.700 (22.500)
9	170 (112)		474 (247)					15700 (8460)	2590 (1400)	67.40 (36.40)	27.700 (14.900)
10	179 (123)		449 (233)					13500 (7390)	2240 (1220)	58.30 (31.80)	23.800 (13.000)
11	155 (125)		496 (256)					10000 (6570)	1660 (1090)	43.20 (28.30)	17.500 (11.500)
12	217 (151)										
13	150 (277)	227 (334)		1790 (4480)	296 (742)	7.62 (19.10)	2.570 (6.430)				
14	85 (166)	156 (80)		2160 (4480)	358 (741)	9.23 (19.10)	3.100 (6.430)				
15	173 (85)	125 (64)		-828 (1130)	-137 (187)	-3.54 (4.84)	-1.190 (1.630)				
16											
17											
18		201 (123)									
19		160 (78)	671 (309)								
20		238 (138)	660 (299)								
21		181 (80)	691 (236)								
22		154 (87)	539 (292)								
23		155 (80)	518 (291)								
24		150 (77)	547 (306)								
25		147 (99)	637 (406)								
26		138 (69)	603 (310)								
27		178 (121)	233 (494)								
28	219 (115)	144 (95)	448 (570)	-2930 (3560)	-485 (590)	-12.70 (15.40)	-4.310 (5.240)	11200 (25000)	1850 (4140)	48.20 (108.00)	17.800 (39.800)
29	217 (94)	137 (71)	446 (967)	-2700 (2760)	-447 (457)	-11.70 (11.90)	-3.970 (4.060)	8460 (39400)	1400 (6530)	36.40 (170.00)	13.500 (62.700)
30	240 (150)	154 (99)	761 (863)	-3090 (4120)	-512 (683)	-13.40 (17.80)	-4.560 (6.080)	23600 (41500)	3910 (6870)	102.00 (179.00)	37.500 (65.900)
31	226 (161)	189 (131)	510 (433)	-1790 (4510)	-296 (747)	-7.74 (19.50)	-2.640 (6.660)	12600 (17300)	2080 (2870)	54.20 (74.70)	19.900 (27.500)
Avg	183	161	527	-1020	-169	-4.41	-1.510	12900	2140	55.60	22.300
n	19	19	24	9	9	9	9	15	15	15	15
SD	42.9	34.3	115.0	1820.0	301.0	7.81	2.650	4240.0	702.0	18.30	7.080
Min	85	107	233	-3090	-512	-13.40	-4.560	6170	1020	26.60	11.100
Max	244	238	761	2160	358	9.23	3.100	23600	3910	102.00	37.500

Table F4. Daily means (SD) of PM10 at site IN2H for August, 2007.

Day	Concentration, µg·dsm^{-3}			House 6 emission				House 7 emission			
	Inlet	House 6	House 7	g·d^{-1}	mg·d^{-1}m^{-2}	mg·d^{-1}hd^{-1}	g·d^{-1}AU^{-1}	g·d^{-1}	mg·d^{-1}m^{-2}	mg·d^{-1}hd^{-1}	g·d^{-1}AU^{-1}
1	220 (117)	195 (123)	419 (359)	-544 (3780)	-90 (626)	-2.35 (16.30)	-0.804 (5.590)	11200 (18400)	1850 (3050)	48.10 (79.30)	17.700 (29.100)
2	297 (223)	150 (86)	286 (457)	-7680 (10100)	-1270 (1680)	-33.20 (43.80)	-11.400 (15.000)	-660 (22200)	-109 (3680)	-2.84 (95.70)	-1.030 (35.000)
3	160 (98)	86 (55)	245 (288)	-3790 (3490)	-628 (578)	-16.40 (15.10)	-5.610 (5.160)	4860 (16000)	804 (2640)	20.90 (68.80)	7.640 (25.100)
4	214 (198)	328 (815)	363 (305)	4570 (29800)	757 (4940)	19.80 (129.00)	6.780 (44.200)	8250 (15000)	1370 (2480)	35.60 (64.50)	13.000 (23.500)
5	137 (106)	118 (73)	250 (251)	-1300 (2850)	-216 (472)	-5.63 (12.30)	-1.930 (4.240)	6200 (10100)	1030 (1670)	26.70 (43.50)	9.740 (15.900)
6	116 (132)	66 (67)	203 (167)	-2430 (5080)	-402 (842)	-10.50 (22.00)	-3.610 (7.570)	4760 (7610)	788 (1260)	20.50 (32.80)	7.490 (12.000)
7	114 (90)		308 (283)					9640 (8980)	1600 (1490)	41.60 (38.70)	15.200 (14.100)
8	123 (63)		288 (254)					9860 (11700)	1630 (1930)	42.50 (50.30)	15.500 (18.400)
9	131 (125)	86 (84)	353 (455)	-2440 (6430)	-403 (1070)	-10.50 (27.80)	-3.650 (9.640)	12800 (22700)	2120 (3760)	55.10 (97.90)	20.100 (35.700)
10	140 (98)	75 (69)	429 (315)	-3580 (4760)	-592 (788)	-15.50 (20.60)	-5.370 (7.140)	15800 (14400)	2610 (2380)	68.00 (61.90)	24.800 (22.600)
11	121 (56)	77 (62)	272 (79)	-2400 (3000)	-397 (497)	-10.40 (13.00)	-3.600 (4.510)	8680 (3910)	1440 (647)	37.40 (16.80)	13.600 (6.140)
12	112 (46)	97 (67)	222 (72)	-833 (2200)	-138 (365)	-3.60 (9.54)	-1.250 (3.310)	6260 (3310)	1040 (548)	27.00 (14.30)	9.790 (5.170)
13	117 (85)	126 (121)	206 (70)	351 (4570)	58 (757)	1.52 (19.80)	0.526 (6.850)	5050 (4370)	836 (724)	21.80 (18.90)	7.860 (6.810)
14	106 (44)	156 (135)	243 (93)	1970 (4970)	327 (824)	8.54 (21.50)	2.950 (7.450)	6110 (3690)	1010 (611)	26.30 (15.90)	9.480 (5.730)
15											
16	122 (77)	183 (164)	234 (160)	1070 (3270)	177 (541)	4.62 (14.10)	1.600 (4.880)	5790 (5250)	960 (869)	25.00 (22.60)	8.910 (8.070)
17	164 (96)	156 (276)	204 (218)	-556 (7050)	-92 (1170)	-2.41 (30.50)	-0.831 (10.500)	1760 (7020)	291 (1160)	7.58 (30.30)	2.690 (10.800)
18	101 (82)	203 (214)	287 (165)	1440 (5110)	238 (846)	6.23 (22.10)	2.150 (7.630)	5970 (4730)	988 (783)	25.70 (20.40)	9.130 (7.240)
19	78 (61)	123 (81)	306 (175)	679 (1150)	112 (191)	2.94 (4.99)	1.010 (1.720)	7320 (4800)	1210 (794)	31.60 (20.70)	11.200 (7.350)
20	82 (64)	91 (83)	164 (103)	151 (2130)	25 (352)	0.66 (9.21)	0.226 (3.180)				
21	70 (72)	82 (212)	178 (209)								
22											
23	98 (89)	118 (140)									
24	99 (74)	137 (233)	194 (260)					4470 (6520)	741 (1080)	19.30 (28.10)	6.890 (10.000)
25	71 (48)	93 (172)	125 (120)	840 (5290)	139 (876)	3.64 (22.90)	1.250 (7.900)				
26		159 (200)	234 (245)								
27		194 (325)	254 (344)								
28		124 (148)	166 (194)								
29		111 (134)									
30		171 (134)	221 (165)								
31	136 (88)	298 (179)	292 (219)					4220 (5490)	699 (910)	18.20 (23.70)	6.600 (8.580)
Avg	130	141	257	-804	-133	-3.48	-1.200	6910	1140	29.80	10.800
n	24	27	27	18	18	18	18	20	20	20	20
SD	50.8	62.6	72.6	2630.0	435.0	11.40	3.900	3640.0	603.0	15.70	5.750
Min	70	66	125	-7680	-1270	-33.20	-11.400	-660	-109	-2.84	-1.030
Max	297	328	429	4570	757	19.80	6.780	15800	2610	68.00	24.800

Table F4. Daily means (SD) of PM10 at site IN2H for September, 2007.

Day	Concentration, µg·dsm^{-3}			House 6 emission				House 7 emission			
	Inlet	House 6	House 7	g·d^{-1}	mg·d^{-1}m^{-2}	mg·d^{-1}hd^{-1}	g·d^{-1}AU^{-1}	g·d^{-1}	mg·d^{-1}m^{-2}	mg·d^{-1}hd^{-1}	g·d^{-1}AU^{-1}
1	96 (70)	231 (124)	201 (111)					4270 (3490)	707 (578)	18.40 (15.10)	6.670 (5.450)
2	84 (66)	214 (102)	167 (89)					3310 (3020)	548 (500)	14.30 (13.00)	5.150 (4.700)
3	111 (64)	147 (92)	175 (99)					2640 (2470)	437 (408)	11.40 (10.60)	4.080 (3.820)
4	110 (72)	136 (78)	159 (86)					2320 (2480)	385 (411)	10.00 (10.70)	3.580 (3.830)
5	115 (78)	155 (75)	182 (102)					3310 (2640)	548 (438)	14.30 (11.40)	5.080 (4.060)
6	113 (70)	146 (61)	169 (83)					2810 (2270)	465 (376)	12.10 (9.82)	4.300 (3.480)
7	88 (60)	192 (115)	188 (129)					4820 (4510)	799 (747)	20.80 (19.50)	7.350 (6.880)
8	62 (63)	116 (36)	103 (61)					2140 (2610)	354 (432)	9.24 (11.30)	3.250 (3.970)
9	74 (50)	139 (58)	91 (56)					979 (2000)	162 (331)	4.23 (8.64)	1.490 (3.040)
10	77 (60)	186 (41)	139 (76)					3380 (2760)	560 (458)	14.60 (11.90)	5.150 (4.210)
11	65 (75)	231 (97)	194 (125)								
12	123 (100)	285 (134)	201 (110)					926 (1510)	153 (250)	4.00 (6.53)	1.410 (2.300)
13											
14											
15											
16											
17											
18											
19											
20	113 (78)	282 (135)	200 (104)	3310 (2280)	548 (377)	14.40 (9.89)	4.890 (3.370)	2530 (2460)	420 (407)	11.00 (10.60)	3.770 (3.660)
21	135 (83)	273 (145)	195 (135)	3160 (2860)	523 (473)	13.70 (12.40)	4.670 (4.220)	1700 (3620)	281 (599)	7.34 (15.60)	2.520 (5.370)
22	168 (86)	389 (195)	257 (146)	3400 (2770)	563 (458)	14.70 (12.00)	5.020 (4.080)	2730 (3910)	451 (647)	11.80 (16.90)	4.030 (5.780)
23	69 (50)	343 (206)	218 (141)	4110 (2840)	681 (470)	17.80 (12.30)	6.070 (4.190)	3360 (2340)	557 (388)	14.60 (10.10)	4.950 (3.440)
24	108 (79)	310 (253)	184 (142)	3900 (4300)	646 (712)	16.90 (18.70)	5.760 (6.350)	2000 (3760)	331 (622)	8.64 (16.30)	2.920 (5.500)
25	62 (63)	157 (164)	94 (97)	3070 (6000)	508 (994)	13.30 (26.10)	4.530 (8.870)	1430 (3500)	237 (580)	6.19 (15.10)	2.080 (5.100)
26	123 (87)	294 (212)	143 (206)	1940 (2740)	321 (454)	8.41 (11.90)	2.860 (4.050)				
27	151 (140)	635 (397)	244 (170)								
28	127 (101)	576 (464)	222 (202)					859 (3300)	142 (546)	3.72 (14.30)	1.240 (4.740)
29	87 (81)	283 (203)	174 (126)	1640 (1900)	271 (315)	7.11 (8.26)	2.420 (2.810)	1770 (3130)	293 (518)	7.65 (13.50)	2.540 (4.490)
30	99 (61)	313 (202)	157 (82)	2360 (2030)	390 (336)	10.20 (8.82)	3.470 (2.990)	1660 (1860)	274 (309)	7.17 (8.07)	2.380 (2.680)
Avg	103	262	176	2990	495	13.00	4.410	2450	405	10.60	3.700
n	23	23	23	9	9	9	9	20	20	20	20
SD	27.8	129.0	41.9	798.0	132.0	3.46	1.180	1060.0	175.0	4.57	1.650
Min	62	116	91	1640	271	7.11	2.420	859	142	3.72	1.240
Max	168	635	257	4110	681	17.80	6.070	4820	799	20.80	7.350

Table F4. Daily means (SD) of PM10 at site IN2H for October, 2007.

Day	Concentration, µg·dsm^{-3}			House 6 emission				House 7 emission			
	Inlet	House 6	House 7	g·d^{-1}	mg·d^{-1}m^{-2}	mg·d^{-1}hd^{-1}	g·d^{-1}AU^{-1}	g·d^{-1}	mg·d^{-1}m^{-2}	mg·d^{-1}hd^{-1}	g·d^{-1}AU^{-1}
1	108 (73)	294 (172)	157 (90)	2270 (1890)	376 (313)	9.88 (8.22)	3.340 (2.780)	1250 (1450)	208 (241)	5.42 (6.29)	1.800 (2.090)
2	92 (69)	216 (134)	120 (78)	1680 (1330)	279 (221)	7.32 (5.79)	2.470 (1.960)	1060 (1510)	176 (250)	4.60 (6.53)	1.530 (2.170)
3	127 (121)	346 (218)	180 (135)	3740 (3500)	619 (580)	16.20 (15.20)	5.480 (5.130)	1640 (1950)	271 (322)	7.08 (8.42)	2.360 (2.800)
4	132 (92)	509 (351)	225 (110)	5500 (4000)	910 (662)	23.90 (17.40)	8.040 (5.850)	2100 (2340)	348 (388)	9.10 (10.10)	3.030 (3.380)
5	94 (82)	296 (217)	145 (221)	4130 (4070)	684 (674)	17.90 (17.70)	6.030 (5.940)	1350 (6380)	224 (1060)	5.86 (27.60)	1.950 (9.200)
6	93 (62)	192 (115)	100 (62)	2130 (3350)	352 (554)	9.25 (14.50)	3.100 (4.880)	429 (2180)	71 (360)	1.86 (9.42)	0.622 (3.150)
7	87 (70)	243 (186)	108 (68)	4510 (4210)	748 (697)	19.60 (18.30)	6.580 (6.140)	868 (2580)	144 (427)	3.76 (11.20)	1.270 (3.760)
8	113 (91)	220 (180)	135 (85)	3310 (3710)	549 (614)	14.40 (16.10)	4.830 (5.410)	1020 (2890)	169 (479)	4.43 (12.50)	1.500 (4.240)
9	116 (109)	238 (228)	224 (299)	2930 (4270)	485 (708)	12.70 (18.60)	4.280 (6.230)	1880 (4940)	311 (817)	8.13 (21.40)	2.780 (7.290)
10	81 (109)	673 (439)	342 (222)	4470 (4200)	740 (695)	19.40 (18.20)	6.520 (6.120)	1930 (1800)	320 (299)	8.37 (7.81)	2.880 (2.680)
11	88 (84)	873 (532)	453 (343)	5230 (4060)	866 (672)	22.70 (17.60)	7.630 (5.920)	2210 (2210)	366 (365)	9.57 (9.56)	3.320 (3.310)
12	108 (67)	900 (418)	501 (282)	5070 (3520)	840 (582)	22.10 (15.30)	7.400 (5.130)	2120 (2240)	352 (371)	9.19 (9.70)	3.200 (3.380)
13	125 (99)	810 (382)	485 (229)	4450 (3250)	737 (538)	19.30 (14.10)	6.520 (4.760)	2210 (1490)	366 (247)	9.57 (6.46)	3.340 (2.260)
14	79 (48)	662 (324)	362 (164)	5150 (3290)	852 (545)	22.40 (14.30)	7.590 (4.860)	2630 (1790)	436 (297)	11.40 (7.77)	3.980 (2.710)
15	134 (106)	534 (466)	269 (129)	4320 (4530)	715 (750)	18.80 (19.70)	6.410 (6.720)	1440 (1810)	238 (299)	6.22 (7.82)	2.170 (2.730)
16	136 (71)	346 (202)	214 (103)	2490 (1990)	413 (329)	10.80 (8.65)	3.730 (2.970)	1230 (1260)	204 (209)	5.33 (5.46)	1.860 (1.900)
17	95 (59)	329 (228)	210 (122)	2640 (2470)	437 (408)	11.50 (10.70)	3.980 (3.710)	1650 (1540)	273 (256)	7.13 (6.69)	2.480 (2.330)
18	58 (32)	218 (195)	122 (63)	3370 (4790)	558 (793)	14.70 (20.80)	5.110 (7.270)	1610 (1260)	267 (209)	6.99 (5.46)	2.430 (1.900)
19	95 (62)	543 (419)	488 (477)	3360 (3670)	556 (607)	14.60 (15.90)	5.130 (5.590)	3300 (3880)	546 (642)	14.30 (16.80)	4.960 (5.840)
20	150 (86)	379 (211)	305 (153)	1930 (1850)	319 (307)	8.38 (8.06)	2.950 (2.840)	1340 (1340)	223 (221)	5.83 (5.79)	2.020 (2.010)
21	147 (67)	331 (207)	239 (130)	2400 (2260)	398 (374)	10.50 (9.83)	3.680 (3.460)	1430 (1600)	237 (266)	6.19 (6.95)	2.150 (2.420)
22	180 (99)	340 (269)	305 (161)	1630 (3040)	270 (504)	7.09 (13.20)	2.500 (4.660)	1510 (1860)	249 (308)	6.52 (8.05)	2.270 (2.800)
23	74 (75)	299 (233)	419 (234)	1390 (1690)	230 (280)	6.04 (7.35)	2.130 (2.590)	1840 (1470)	305 (243)	7.98 (6.35)	2.780 (2.210)
24	78 (72)	514 (739)	679 (591)	2710 (4340)	449 (719)	11.80 (18.90)	4.160 (6.660)	2820 (3780)	466 (627)	12.20 (16.40)	4.260 (5.720)
25	39 (28)	414 (386)	590 (309)	2160 (2780)	357 (460)	9.39 (12.10)	3.310 (4.260)	2690 (2000)	446 (332)	11.70 (8.68)	4.070 (3.030)
26	98 (75)	285 (220)	306 (169)	1830 (2140)	303 (355)	7.96 (9.34)	2.800 (3.290)	1590 (1410)	263 (234)	6.89 (6.12)	2.410 (2.140)
27	69 (60)	262 (251)	279 (185)	1310 (1860)	217 (308)	5.70 (8.10)	2.000 (2.840)	1160 (1100)	192 (182)	5.03 (4.76)	1.750 (1.660)
28	88 (113)	354 (274)	474 (252)	1460 (1830)	242 (303)	6.36 (7.98)	2.210 (2.770)	1650 (1520)	274 (252)	7.17 (6.61)	2.470 (2.280)
29	93 (93)	378 (322)	469 (270)	1570 (2130)	260 (353)	6.84 (9.28)	2.360 (3.200)	1900 (1690)	314 (280)	8.22 (7.32)	2.810 (2.500)
30	120 (103)	361 (307)	424 (239)	1460 (2100)	242 (348)	6.35 (9.14)	2.170 (3.120)	1730 (1780)	286 (294)	7.50 (7.70)	2.540 (2.610)
31	103 (102)	376 (371)	487 (395)	1970 (2660)	326 (441)	8.57 (11.60)	2.900 (3.920)	2970 (3390)	492 (562)	12.90 (14.70)	4.320 (4.940)
Avg	103	411	317	2990	494	13.00	4.430	1760	291	7.62	2.620
n	31	31	31	31	31	31	31	31	31	31	31
SD	28.9	191.0	155.0	1310.0	216.0	5.67	1.880	635.0	105.0	2.75	0.959
Min	39	192	100	1310	217	5.70	2.000	429	71	1.86	0.622
Max	180	900	679	5500	910	23.90	8.040	3300	546	14.30	4.960

Table F4. Daily means (SD) of PM10 at site IN2H for November, 2007.

Day	Concentration, µg·dsm^{-3}			House 6 emission				House 7 emission			
	Inlet	House 6	House 7	g·d^{-1}	mg·d^{-1}m^{-2}	mg·d^{-1}hd^{-1}	g·d^{-1}AU^{-1}	g·d^{-1}	mg·d^{-1}m^{-2}	mg·d^{-1}hd^{-1}	g·d^{-1}AU^{-1}
1	87 (103)	392 (333)	686 (374)	1510 (1910)	251 (316)	6.59 (8.30)	2.210 (2.790)	2700 (2310)	447 (383)	11.70 (10.00)	3.900 (3.340)
2	101 (112)	311 (245)	648 (350)	1290 (1850)	214 (307)	5.62 (8.07)	1.870 (2.680)	2470 (2140)	408 (355)	10.70 (9.29)	3.530 (3.070)
3	85 (113)	328 (330)	562 (378)	1360 (1950)	226 (323)	5.94 (8.51)	1.970 (2.830)	2200 (1940)	365 (321)	9.55 (8.40)	3.160 (2.780)
4	79 (80)	364 (338)	559 (263)	1670 (2260)	276 (374)	7.27 (9.84)	2.430 (3.290)	2330 (1710)	386 (283)	10.10 (7.42)	3.360 (2.470)
5	51 (75)	330 (370)	532 (312)	1690 (2270)	280 (376)	7.38 (9.90)	2.480 (3.330)	2300 (1860)	380 (307)	9.96 (8.05)	3.340 (2.700)
6	28 (29)	431 (422)	504 (448)	1670 (2290)	277 (379)	7.30 (9.99)	2.480 (3.390)	1780 (2030)	295 (336)	7.74 (8.80)	2.620 (2.970)
7	103 (119)	463 (490)	269 (375)	2010 (2600)	333 (430)	8.77 (11.30)	2.990 (3.870)	910 (1870)	151 (310)	3.94 (8.12)	1.340 (2.760)
8											
9											
10											
11											
12											
13											
14											
15											
16											
17											
18											
19											
20											
21	58 (42)	356 (194)	514 (213)	2010 (1690)	333 (279)	8.77 (7.36)	3.030 (2.540)				
22	36 (30)	433 (185)	521 (223)	1830 (1280)	304 (212)	8.01 (5.59)	2.760 (1.930)				
23	40 (27)	495 (254)	520 (229)	2060 (1580)	340 (261)	8.98 (6.88)	3.100 (2.370)	2070 (1480)	343 (245)	9.00 (6.43)	3.100 (2.220)
24	55 (34)	509 (348)	498 (339)	2100 (1930)	348 (319)	9.19 (8.41)	3.170 (2.900)	1880 (1740)	311 (288)	8.16 (7.55)	2.820 (2.610)
25	88 (51)	586 (265)	619 (260)	2340 (1500)	388 (249)	10.20 (6.57)	3.540 (2.270)	2360 (1550)	390 (257)	10.20 (6.73)	3.540 (2.330)
26	46 (25)	452 (236)	520 (239)	1870 (1270)	309 (210)	8.15 (5.53)	2.820 (1.910)	2160 (1470)	357 (244)	9.36 (6.40)	3.240 (2.220)
27	39 (26)	636 (343)	742 (482)	2450 (1860)	406 (308)	10.70 (8.12)	3.710 (2.810)	2580 (2050)	427 (340)	11.20 (8.91)	3.890 (3.090)
28	59 (48)	534 (264)	452 (258)	2100 (1570)	348 (260)	9.18 (6.87)	3.180 (2.380)	1640 (1330)	272 (220)	7.14 (5.76)	2.480 (2.000)
29	28 (16)	837 (410)	776 (418)	3010 (2370)	498 (392)	13.20 (10.30)	4.560 (3.590)	2210 (1950)	366 (322)	9.61 (8.45)	3.350 (2.950)
30	32 (22)	671 (323)	635 (382)	2670 (2080)	442 (344)	11.70 (9.09)	4.050 (3.150)	2320 (1950)	384 (323)	10.10 (8.48)	3.520 (2.960)
Avg	60	478	562	1980	328	8.64	2.960	2130	352	9.23	3.150
n	17	17	17	17	17	17	17	15	15	15	15
SD	25.0	137.0	115.0	441.0	73.1	1.94	0.698	426.0	70.5	1.85	0.621
Min	28	311	269	1290	214	5.62	1.870	910	151	3.94	1.340
Max	103	837	776	3010	498	13.20	4.560	2700	447	11.70	3.900

Table F4. Daily means (SD) of PM10 at site IN2H for December, 2007.

Day	Concentration, µg·dsm^{-3}			House 6 emission				House 7 emission			
	Inlet	House 6	House 7	g·d^{-1}	mg·d^{-1}m^{-2}	mg·d^{-1}hd^{-1}	g·d^{-1}AU^{-1}	g·d^{-1}	mg·d^{-1}m^{-2}	mg·d^{-1}hd^{-1}	g·d^{-1}AU^{-1}
1	32 (24)	698 (335)	530 (263)	2810 (2160)	466 (357)	12.30 (9.43)	4.270 (3.280)	1840 (1360)	304 (226)	7.97 (5.92)	2.790 (2.080)
2	66 (66)	479 (227)	405 (255)	2060 (1490)	341 (246)	9.01 (6.50)	3.130 (2.260)	1550 (1310)	256 (217)	6.72 (5.69)	2.360 (2.000)
3	15 (8)	811 (442)	754 (433)	3020 (2630)	500 (435)	13.20 (11.50)	4.590 (4.000)	2210 (2040)	365 (338)	9.59 (8.88)	3.380 (3.130)
4	43 (36)	845 (591)	687 (394)	3260 (3020)	539 (499)	14.20 (13.20)	4.960 (4.600)	2450 (2110)	406 (350)	10.60 (9.18)	3.760 (3.240)
5		1030 (426)	785 (339)	3460 (2340)	574 (388)	15.20 (10.20)	5.280 (3.570)	2710 (1850)	448 (306)	11.80 (8.04)	4.170 (2.850)
6	63 (44)	901 (373)	615 (280)	3170 (2140)	526 (354)	13.90 (9.36)	4.850 (3.270)	1940 (1390)	322 (231)	8.44 (6.05)	3.000 (2.150)
7	59 (25)	799 (324)	622 (274)	3040 (2030)	503 (336)	13.30 (8.89)	4.650 (3.110)	2210 (1590)	366 (263)	9.62 (6.90)	3.430 (2.460)
8	58 (35)	792 (360)	628 (279)	3150 (2350)	522 (389)	13.80 (10.30)	4.820 (3.600)	2270 (1690)	375 (279)	9.85 (7.33)	3.520 (2.610)
9	34 (17)	791 (343)	776 (263)	3220 (2380)	533 (394)	14.10 (10.40)	4.940 (3.650)	2980 (1790)	494 (296)	13.00 (7.77)	4.620 (2.770)
10		736 (337)	795 (392)	2910 (2170)	481 (359)	12.70 (9.48)	4.460 (3.320)	3080 (2310)	510 (382)	13.40 (10.00)	4.750 (3.560)
11		673 (323)	733 (314)	2810 (2130)	465 (352)	12.30 (9.31)	4.310 (3.270)	3000 (1970)	497 (326)	13.10 (8.55)	4.630 (3.030)
12		658 (369)	690 (283)	2690 (2170)	445 (360)	11.80 (9.51)	4.130 (3.340)				
13	23 (25)	763 (369)	771 (408)	3040 (2290)	503 (378)	13.30 (10.00)	4.680 (3.520)	2980 (2260)	494 (374)	13.00 (9.82)	4.580 (3.470)
14	49 (43)	744 (344)	898 (600)	2900 (2290)	480 (379)	12.70 (10.00)	4.470 (3.530)	3410 (3200)	564 (530)	14.80 (13.90)	5.220 (4.910)
15		731 (396)	586 (316)	3140 (2590)	520 (429)	13.70 (11.30)	4.850 (4.000)	2350 (2000)	389 (331)	10.20 (8.69)	3.600 (3.060)
16		875 (453)	735 (448)	2800 (2520)	464 (418)	12.30 (11.10)	4.350 (3.910)	2500 (2280)	414 (377)	10.90 (9.92)	3.840 (3.500)
17		768 (391)	711 (352)	2830 (2340)	469 (387)	12.40 (10.20)	4.400 (3.630)				
18		623 (378)	668 (440)	2300 (2250)	381 (373)	10.10 (9.88)	3.580 (3.510)				
19	64 (53)	1210 (787)	1050 (553)	4500 (3720)	745 (615)	19.70 (16.30)	7.040 (5.810)				
20		1160 (481)	724 (302)	4200 (2830)	696 (468)	18.40 (12.40)	6.590 (4.430)	2590 (1910)	429 (316)	11.30 (8.31)	4.000 (2.940)
21	56 (25)	972 (390)	614 (262)	3750 (2280)	621 (378)	16.40 (10.00)	5.900 (3.590)	2310 (1680)	383 (278)	10.10 (7.31)	3.570 (2.590)
22		649 (252)	477 (197)	2750 (1570)	455 (260)	12.00 (6.89)	4.330 (2.480)	1940 (1240)	322 (205)	8.47 (5.38)	3.000 (1.910)
23	6 (43)	1060 (674)	759 (420)	4250 (3070)	704 (508)	18.60 (13.50)	6.710 (4.840)				
24	35 (18)	960 (458)	621 (335)	3280 (2570)	543 (426)	14.40 (11.30)	5.170 (4.050)				
25	71 (59)	790 (345)	460 (182)	2950 (2050)	488 (339)	12.90 (8.98)	4.650 (3.230)				
26	69 (52)	870 (521)	600 (486)	3310 (2690)	548 (446)	14.50 (11.80)	5.220 (4.250)	2090 (2200)	346 (364)	9.10 (9.57)	3.230 (3.390)
27		980 (377)	760 (317)	3810 (2170)	632 (360)	16.70 (9.54)	6.020 (3.430)	2810 (1720)	465 (286)	12.20 (7.51)	4.330 (2.660)
28		852 (346)	568 (218)	3330 (2070)	551 (343)	14.60 (9.08)	5.260 (3.270)	2070 (1260)	342 (208)	9.00 (5.47)	3.190 (1.940)
29	41 (17)	945 (382)	801 (348)	3490 (2240)	578 (371)	15.30 (9.84)	5.500 (3.540)	2750 (1900)	455 (315)	12.00 (8.29)	4.250 (2.940)
30	60 (20)	890 (367)	620 (264)	3290 (2220)	545 (368)	14.50 (9.76)	5.190 (3.500)	2100 (1450)	348 (240)	9.15 (6.30)	3.240 (2.230)
31		825 (351)	556 (232)	3120 (1930)	516 (319)	13.70 (8.46)	4.910 (3.040)	1880 (1180)	312 (195)	8.20 (5.13)	2.900 (1.810)
Avg	47	835	677	3180	527	13.90	4.940	2420	400	10.50	3.720
n	18	31	31	31	31	31	31	24	24	24	24
SD	18.8	155.0	129.0	514.0	85.0	2.26	0.833	459.0	76.1	2.00	0.710
Min	6	479	405	2060	341	9.01	3.130	1550	256	6.72	2.360
Max	71	1210	1050	4500	745	19.70	7.040	3410	564	14.80	5.220

Table F4. Daily means (SD) of PM10 at site IN2H for January, 2008.

Day	Concentration, µg·dsm^{-3}			House 6 emission				House 7 emission			
	Inlet	House 6	House 7	g·d^{-1}	mg·d^{-1}m^{-2}	mg·d^{-1}hd^{-1}	g·d^{-1}AU^{-1}	g·d^{-1}	mg·d^{-1}m^{-2}	mg·d^{-1}hd^{-1}	g·d^{-1}AU^{-1}
1											
2											
3		1130 (468)	454 (190)								
4	40 (21)	995 (482)	634 (374)	3570 (2680)	592 (444)	15.70 (11.80)	5.610 (4.210)	1920 (1540)	319 (256)	8.39 (6.73)	2.950 (2.370)
5	65 (26)	772 (280)	784 (375)	3070 (1760)	508 (292)	13.50 (7.75)	4.820 (2.770)	2890 (1950)	478 (322)	12.60 (8.49)	4.430 (2.990)
6		413 (162)	651 (291)	1710 (913)	283 (151)	7.50 (4.01)	2.680 (1.430)	5850 (3900)	969 (645)	25.50 (17.00)	9.000 (6.000)
7	96 (65)	297 (125)	508 (226)	1760 (1080)	292 (179)	7.75 (4.74)	2.780 (1.700)	5020 (2870)	831 (476)	21.90 (12.50)	7.730 (4.420)
8	88 (61)	343 (155)	456 (230)	1850 (1150)	307 (190)	8.14 (5.04)	2.920 (1.810)				
9	49 (44)	816 (454)	854 (371)	3930 (7010)	650 (1160)	17.30 (30.80)	6.190 (11.100)	3650 (2370)	604 (392)	15.90 (10.30)	5.630 (3.650)
10	32 (23)	616 (283)	793 (404)	2560 (1880)	423 (310)	11.20 (8.24)	4.040 (2.960)	3570 (2490)	591 (412)	15.60 (10.90)	5.520 (3.840)
11	14 (8)	288 (404)	410 (643)	894 (2160)	148 (357)	3.93 (9.49)	1.410 (3.410)	1660 (3940)	275 (652)	7.26 (17.20)	2.570 (6.090)
12	19 (13)	46 (99)	36 (70)	188 (452)	31 (75)	0.83 (1.99)	0.298 (0.715)	133 (398)	22 (66)	0.58 (1.74)	0.206 (0.617)
13	20 (10)	57 (134)	46 (174)	205 (592)	34 (98)	0.90 (2.60)	0.326 (0.938)	148 (725)	25 (120)	0.65 (3.17)	0.230 (1.130)
14	10 (4)	58 (80)	38 (89)	265 (443)	44 (73)	1.17 (1.95)	0.421 (0.703)	124 (376)	21 (62)	0.54 (1.64)	0.193 (0.586)
15	13 (6)	71 (115)	51 (143)	283 (603)	47 (100)	1.25 (2.65)	0.450 (0.958)	113 (572)	19 (95)	0.49 (2.50)	0.176 (0.896)
16	14 (13)	62 (187)	36 (102)	276 (1130)	46 (187)	1.21 (4.96)	0.439 (1.790)	73 (876)	12 (145)	0.32 (3.83)	0.114 (1.380)
17	11 (13)	30 (123)	8 (131)	121 (677)	20 (112)	0.53 (2.98)	0.193 (1.080)	35 (947)	6 (157)	0.15 (4.14)	0.055 (1.490)
18											
19											
20	24 (11)	922 (467)	570 (254)	2980 (2120)	494 (351)	13.10 (9.33)	4.760 (3.380)	1630 (1090)	270 (180)	7.13 (4.76)	2.580 (1.720)
21	61 (32)	761 (375)	497 (230)	2620 (1860)	433 (308)	11.50 (8.20)	4.170 (2.970)	1460 (945)	241 (157)	6.37 (4.13)	2.300 (1.490)
22		710 (317)	572 (273)	2550 (1730)	421 (287)	11.20 (7.62)	4.060 (2.760)	1940 (1460)	321 (242)	8.46 (6.39)	3.060 (2.310)
23	37 (24)	616 (252)	455 (209)	2110 (1430)	349 (238)	9.27 (6.32)	3.360 (2.290)	1480 (1100)	245 (182)	6.48 (4.82)	2.340 (1.740)
24		741 (516)	633 (446)								
25	50 (39)	902 (360)	781 (326)	3090 (1940)	512 (321)	13.60 (8.54)	4.940 (3.100)	2480 (1460)	411 (242)	10.80 (6.40)	3.900 (2.300)
26	62 (40)	657 (274)	586 (256)	2320 (1360)	384 (225)	10.20 (5.99)	3.690 (2.170)	2000 (1190)	331 (197)	8.74 (5.21)	3.140 (1.870)
27	49 (33)	620 (244)	467 (181)	2280 (1350)	377 (224)	10.00 (5.97)	3.630 (2.150)	1660 (1040)	275 (172)	7.27 (4.55)	2.610 (1.630)
28	85 (53)	501 (245)	419 (169)	1730 (1120)	286 (185)	7.60 (4.93)	2.740 (1.780)	1460 (996)	241 (165)	6.38 (4.36)	2.280 (1.560)
29	86 (93)	319 (158)	394 (185)	1300 (899)	216 (149)	5.75 (3.96)	2.070 (1.420)	1640 (1080)	271 (179)	7.17 (4.73)	2.560 (1.690)
30		749 (449)	531 (292)								
31		1070 (366)	608 (266)								
Avg	44	539	454	1810	300	7.97	2.870	1860	308	8.12	2.890
n	21	27	27	23	23	23	23	22	22	22	22
SD	27.6	338.0	253.0	1160.0	191.0	5.08	1.830	1550.0	256.0	6.75	2.380
Min	10	30	8	121	20	0.53	0.193	35	6	0.15	0.055
Max	96	1130	854	3930	650	17.30	6.190	5850	969	25.50	9.000

Table F4. Daily means (SD) of PM10 at site IN2H for February, 2008.

Day	Concentration, µg·dsm^{-3}			House 6 emission				House 7 emission			
	Inlet	House 6	House 7	g·d^{-1}	mg·d^{-1}m^{-2}	mg·d^{-1}hd^{-1}	g·d^{-1}AU^{-1}	g·d^{-1}	mg·d^{-1}m^{-2}	mg·d^{-1}hd^{-1}	g·d^{-1}AU^{-1}
1			386 (174)								
2			356 (159)								
3			345 (154)								
4			299 (162)								
5			303 (188)								
6			275 (128)								
7			469 (205)								
8			510 (360)								
9	42 (54)	688 (522)	582 (322)	2780 (2470)	461 (409)	12.30 (10.90)	4.390 (3.900)	2390 (1800)	396 (297)	10.50 (7.89)	3.730 (2.800)
10	31 (32)	968 (633)	846 (595)	2930 (3220)	485 (532)	13.00 (14.20)	4.630 (5.080)	2240 (2180)	371 (361)	9.85 (9.57)	3.500 (3.400)
11	37 (44)	789 (408)	490 (224)	2680 (1750)	444 (290)	11.90 (7.74)	4.250 (2.770)	1500 (780)	248 (129)	6.57 (3.43)	2.340 (1.220)
12		691 (381)	386 (189)	2240 (1420)	370 (235)	9.89 (6.26)	3.540 (2.250)	1310 (778)	217 (129)	5.75 (3.42)	2.050 (1.220)
13		727 (422)	282 (238)	2510 (2070)	416 (343)	11.10 (9.15)	3.980 (3.280)	776 (1180)	128 (195)	3.41 (5.18)	1.220 (1.850)
14											
15	62 (25)	646 (329)	517 (212)	2580 (1580)	428 (261)	11.40 (6.97)	4.110 (2.510)	2300 (1560)	380 (258)	10.10 (6.87)	3.610 (2.450)
16	60 (32)	668 (323)	368 (152)	3000 (1890)	497 (313)	13.30 (8.36)	4.770 (3.010)	1570 (1090)	260 (180)	6.92 (4.80)	2.470 (1.710)
17	56 (49)	366 (210)	345 (146)	2020 (1740)	335 (288)	8.96 (7.69)	3.220 (2.770)	2440 (1510)	404 (250)	10.70 (6.64)	3.830 (2.370)
18	26 (8)	500 (220)	338 (142)	2130 (1330)	352 (220)	9.42 (5.88)	3.390 (2.120)	1720 (988)	285 (164)	7.57 (4.35)	2.700 (1.550)
19											
20	45 (26)	639 (370)	401 (298)	2850 (2180)	472 (362)	12.60 (9.68)	4.550 (3.480)	1840 (1680)	305 (278)	8.12 (7.40)	2.890 (2.630)
21	39 (23)	972 (432)	564 (239)	4920 (4470)	815 (741)	21.80 (19.80)	7.850 (7.140)	2910 (2190)	481 (362)	12.80 (9.65)	4.550 (3.430)
22		746 (585)	602 (322)					3310 (2270)	548 (376)	14.60 (10.00)	5.180 (3.550)
23		576 (540)	485 (236)					2510 (1820)	416 (301)	11.10 (8.01)	3.930 (2.840)
24	67 (21)	623 (440)	496 (268)	2590 (2120)	429 (351)	11.50 (9.41)	4.090 (3.350)	2660 (2130)	440 (353)	11.70 (9.41)	4.160 (3.340)
25	54 (21)	566 (247)	501 (272)	2680 (1620)	444 (268)	11.90 (7.20)	4.210 (2.540)	2900 (2120)	480 (351)	12.80 (9.35)	4.540 (3.320)
26		490 (235)	530 (271)	2430 (1580)	402 (262)	10.80 (7.04)	3.780 (2.470)	2920 (2100)	484 (348)	12.90 (9.29)	4.580 (3.290)
27	23 (15)	492 (262)	469 (225)	2220 (1520)	368 (252)	9.89 (6.77)	3.450 (2.360)	2140 (1390)	355 (230)	9.47 (6.14)	3.360 (2.180)
28	48 (21)	488 (236)	425 (221)					1830 (1390)	303 (230)	8.10 (6.15)	2.870 (2.180)
29		548 (392)	471 (294)					2670 (2140)	442 (354)	11.80 (9.46)	4.190 (3.350)
Avg	45	641	446	2710	448	12.00	4.280	2210	365	9.73	3.460
n	13	19	27	15	15	15	15	19	19	19	19
SD	13.5	153.0	121.0	657.0	109.0	2.91	1.060	631.0	105.0	2.79	0.989
Min	23	366	275	2020	335	8.96	3.220	776	128	3.41	1.220
Max	67	972	846	4920	815	21.80	7.850	3310	548	14.60	5.180

Table F4. Daily means (SD) of PM10 at site IN2H for March, 2008.

Day	Concentration, µg·dsm^{-3}			House 6 emission				House 7 emission			
	Inlet	House 6	House 7	g·d^{-1}	mg·d^{-1}m^{-2}	mg·d^{-1}hd^{-1}	g·d^{-1}AU^{-1}	g·d^{-1}	mg·d^{-1}m^{-2}	mg·d^{-1}hd^{-1}	g·d^{-1}AU^{-1}
1	48 (30)	699 (640)	689 (277)	3350 (3330)	555 (552)	14.90 (14.90)	5.110 (5.090)	3760 (2280)	622 (378)	16.60 (10.10)	5.900 (3.590)
2											
3		465 (740)	605 (245)	2970 (7130)	492 (1180)	13.20 (31.80)	4.560 (10.900)	5510 (3690)	912 (611)	24.40 (16.40)	8.680 (5.810)
4		603 (602)	548 (233)	3060 (3640)	507 (603)	13.70 (16.20)	4.710 (5.590)	2940 (1950)	486 (323)	13.00 (8.64)	4.630 (3.070)
5		646 (682)	540 (239)	3270 (4490)	541 (743)	14.60 (20.00)	5.030 (6.920)	2720 (1850)	450 (307)	12.10 (8.21)	4.300 (2.930)
6	42 (15)	585 (622)	506 (229)	2900 (3690)	480 (611)	12.90 (16.50)	4.470 (5.700)	2880 (1890)	477 (314)	12.80 (8.40)	4.560 (3.000)
7	46 (26)	965 (875)	697 (464)	4340 (4290)	719 (711)	19.40 (19.10)	6.720 (6.640)	3490 (3040)	578 (503)	15.50 (13.50)	5.530 (4.810)
8	38 (23)	812 (632)	812 (760)	3720 (3630)	615 (601)	16.60 (16.20)	5.760 (5.620)	3880 (4380)	642 (726)	17.20 (19.50)	6.140 (6.950)
9	54 (34)	692 (428)	538 (289)	3250 (2620)	538 (433)	14.50 (11.70)	5.030 (4.050)	2800 (2230)	464 (369)	12.40 (9.91)	4.440 (3.530)
10	75 (39)	721 (427)	538 (272)	3430 (2640)	569 (437)	15.30 (11.80)	5.310 (4.080)	2380 (1730)	394 (287)	10.60 (7.69)	3.770 (2.740)
11	39 (23)	770 (412)	502 (398)	4180 (3010)	692 (498)	18.70 (13.40)	6.460 (4.650)	2940 (2950)	487 (488)	13.10 (13.10)	4.650 (4.660)
12											
13	73 (56)	588 (229)	688 (274)	3490 (2040)	577 (338)	15.60 (9.11)	5.380 (3.150)	5990 (3570)	991 (591)	26.60 (15.90)	9.450 (5.640)
14	105 (78)	500 (243)	719 (421)	2720 (1840)	451 (305)	12.20 (8.24)	4.200 (2.840)	6590 (4880)	1090 (809)	29.30 (21.70)	10.400 (7.700)
15	59 (39)	579 (243)	707 (283)	2840 (1800)	470 (298)	12.70 (8.06)	4.370 (2.770)	4320 (2680)	715 (444)	19.20 (11.90)	6.800 (4.220)
16	45 (38)	631 (348)	644 (235)	3660 (4550)	607 (753)	16.40 (20.30)	5.630 (6.990)	3740 (2390)	620 (396)	16.70 (10.60)	5.880 (3.750)
17	34 (45)	483 (239)	604 (228)	2560 (1800)	424 (298)	11.50 (8.05)	3.930 (2.760)	3660 (2290)	606 (379)	16.30 (10.20)	5.730 (3.590)
18	63 (55)	288 (208)	477 (186)	1630 (1720)	271 (284)	7.31 (7.68)	2.500 (2.630)	4180 (2280)	693 (378)	18.60 (10.20)	6.530 (3.560)
19		419 (225)	524 (253)	2210 (1580)	365 (262)	9.87 (7.08)	3.370 (2.420)	2870 (1960)	475 (325)	12.80 (8.74)	4.470 (3.060)
20	25 (31)	435 (242)	517 (216)	2280 (1770)	378 (294)	10.20 (7.94)	3.480 (2.710)	3260 (2200)	540 (365)	14.50 (9.81)	5.060 (3.420)
21		744 (349)	810 (325)								
22		622 (278)	725 (300)								
23		609 (314)	687 (277)								
24		585 (284)	666 (271)								
25		587 (553)	674 (274)								
26		577 (572)	652 (286)								
27		683 (531)	808 (421)								
28		790 (307)	835 (280)								
29		805 (358)	724 (270)								
30		635 (285)	638 (260)								
31		321 (163)	430 (163)								
Avg	53	615	638	3100	514	13.90	4.780	3770	625	16.80	5.940
n	14	29	29	18	18	18	18	18	18	18	18
SD	19.9	147.0	108.0	665.0	110.0	2.96	1.040	1150.0	190.0	5.10	1.810
Min	25	288	430	1630	271	7.31	2.500	2380	394	10.60	3.770
Max	105	965	835	4340	719	19.40	6.720	6590	1090	29.30	10.400

Table F4. Daily means (SD) of PM10 at site IN2H for April, 2008.

Day	Concentration, µg·dsm^{-3}			House 6 emission				House 7 emission			
	Inlet	House 6	House 7	g·d^{-1}	mg·d^{-1}m^{-2}	mg·d^{-1}hd^{-1}	g·d^{-1}AU^{-1}	g·d^{-1}	mg·d^{-1}m^{-2}	mg·d^{-1}hd^{-1}	g·d^{-1}AU^{-1}
1		621 (352)	565 (259)								
2		634 (322)	592 (247)								
3		585 (346)	570 (691)								
4		498 (319)	490 (226)								
5											
6											
7											
8											
9											
10											
11											
12											
13											
14											
15											
16											
17											
18											
19		1140 (606)	551 (256)								
20		1050 (637)	469 (322)								
21		863 (551)	360 (314)								
22		861 (567)	395 (264)								
23		826 (526)	443 (262)								
24		751 (680)	474 (304)								
25		384 (225)	564 (383)								
26	26 (73)	1070 (896)	847 (543)	10600 (8810)	1760 (1460)	47.90 (39.80)	18.000 (14.900)	7790 (4960)	1290 (822)	35.00 (22.30)	11.900 (7.580)
27	118 (45)	1140 (783)	709 (485)	9140 (7890)	1510 (1310)	41.30 (35.70)	15.700 (13.500)	4990 (4830)	826 (800)	22.40 (21.70)	7.630 (7.390)
28	81 (71)	1050 (705)	904 (1180)	7990 (6870)	1320 (1140)	36.20 (31.10)	13.800 (11.900)	6160 (9270)	1020 (1540)	27.70 (41.60)	9.430 (14.200)
29	56 (31)	856 (613)	636 (419)	5240 (5040)	869 (834)	23.70 (22.80)	9.190 (8.820)	3670 (3110)	607 (515)	16.50 (14.00)	5.620 (4.760)
30	74 (35)	777 (612)	624 (232)	5180 (4980)	857 (824)	23.40 (22.50)	9.190 (8.830)	4360 (2420)	722 (400)	19.60 (10.90)	6.690 (3.710)
Avg	71	819	575	7630	1260	34.50	13.200	5390	893	24.20	8.250
n	5	16	16	5	5	5	5	5	5	5	5
SD	30.3	224.0	144.0	2140.0	355.0	9.68	3.510	1450.0	241.0	6.52	2.210
Min	26	384	360	5180	857	23.40	9.190	3670	607	16.50	5.620
Max	118	1140	904	10600	1760	47.90	18.000	7790	1290	35.00	11.900

Table F4. Daily means (SD) of PM10 at site IN2H for May, 2008.

Day	Concentration, µg·dsm^{-3}			House 6 emission				House 7 emission			
	Inlet	House 6	House 7	g·d^{-1}	mg·d^{-1}m^{-2}	mg·d^{-1}hd^{-1}	g·d^{-1}AU^{-1}	g·d^{-1}	mg·d^{-1}m^{-2}	mg·d^{-1}hd^{-1}	g·d^{-1}AU^{-1}
1	127 (56)	679 (824)	484 (805)	6850 (8590)	1130 (1420)	31.00 (38.90)	12.300 (15.400)	5410 (14900)	896 (2460)	24.30 (66.70)	8.310 (22.800)
2	168 (94)	436 (262)	551 (307)	7150 (5300)	1180 (878)	32.40 (24.00)	13.000 (9.590)	5730 (5030)	948 (833)	25.70 (22.60)	8.810 (7.740)
3	70 (67)	621 (222)		7860 (4120)	1300 (683)	35.60 (18.70)	14.300 (7.520)				
4	120 (60)	729 (484)		6870 (5480)	1140 (907)	31.10 (24.80)	12.400 (9.920)				
5	111 (46)	426 (328)		4270 (5300)	707 (877)	19.40 (24.00)	7.680 (9.530)				
6	149 (62)	240 (192)		626 (4540)	104 (752)	2.84 (20.60)	1.120 (8.110)				
7	142 (72)	241 (111)		2250 (2380)	373 (394)	10.20 (10.80)	4.000 (4.220)				
8	58 (104)	632 (790)		6210 (9130)	1030 (1510)	28.20 (41.40)	10.900 (16.100)				
9	112 (90)	612 (324)		5080 (3890)	841 (644)	23.10 (17.70)	8.900 (6.820)				
10	97 (66)	490 (399)		4580 (4730)	759 (784)	20.80 (21.50)	8.010 (8.280)				
11	47 (35)	548 (300)		5640 (4680)	934 (776)	25.60 (21.30)	9.900 (8.220)				
12	87 (75)	569 (372)		4610 (4550)	763 (753)	20.90 (20.70)	8.120 (8.010)				
13	110 (65)	495 (397)		5650 (9010)	935 (1490)	25.70 (40.90)	9.990 (15.900)				
14	88 (51)	763 (430)		7050 (5780)	1170 (957)	32.00 (26.30)	12.500 (10.300)				
15	63 (40)	724 (268)		5150 (2780)	853 (460)	23.40 (12.60)	9.170 (4.940)				
16	118 (88)	573 (226)		4460 (2830)	738 (469)	20.30 (12.90)	7.960 (5.060)				
17	104 (95)	558 (307)		5580 (4410)	923 (731)	25.40 (20.10)	9.970 (7.890)				
18	57 (56)	690 (359)		4880 (3240)	808 (536)	22.20 (14.70)	8.700 (5.770)				
19	97 (114)	652 (396)		4760 (3710)	788 (614)	21.70 (16.90)	8.460 (6.590)				
20	99 (73)	753 (457)		5990 (4940)	992 (819)	27.30 (22.50)	10.600 (8.760)				
21	82 (78)	770 (448)		6240 (4730)	1030 (784)	28.40 (21.60)	11.000 (8.360)				
22		821 (441)									
23		1030 (500)									
24		982 (608)									
25		773 (534)									
26											
27											
28											
29		826 (776)									
30		788 (661)									
31		760 (397)									
Avg	100	649	517	5320	881	24.20	9.480	5570	922	25.00	8.560
n	21	28	2	21	21	21	21	2	2	2	2
SD	30.9	182.0	33.7	1620.0	268.0	7.33	2.920	159.0	26.3	0.72	0.249
Min	47	240	484	626	104	2.84	1.120	5410	896	24.30	8.310
Max	168	1030	551	7860	1300	35.60	14.300	5730	948	25.70	8.810

Table F4. Daily means (SD) of PM10 at site IN2H for June, 2008.

Day	Concentration, µg·dsm^{-3}			House 6 emission				House 7 emission			
	Inlet	House 6	House 7	g·d^{-1}	mg·d^{-1}m^{-2}	mg·d^{-1}hd^{-1}	g·d^{-1}AU^{-1}	g·d^{-1}	mg·d^{-1}m^{-2}	mg·d^{-1}hd^{-1}	g·d^{-1}AU^{-1}
1		945 (707)									
2		876 (761)									
3		859 (456)									
4		785 (253)									
5		626 (215)									
6		645 (207)									
7		660 (173)	198 (74)								
8		516 (97)									
9		531 (224)									
10		782 (421)	259 (137)								
11		685 (310)									
12		841 (473)									
13		772 (365)									
14		629 (375)									
15		691 (326)									
16		808 (335)									
17		768 (302)									
18		730 (302)									
19											
20											
21											
22											
23											
24											
25											
26											
27											
28	154 (59)	296 (174)		4170 (5940)	691 (984)	19.20 (27.30)	6.310 (8.990)				
29	171 (87)	611 (168)		6440 (2880)	1070 (477)	29.60 (13.20)	9.780 (4.370)				
30	136 (71)	661 (320)		6020 (3500)	996 (579)	27.60 (16.10)	9.170 (5.330)				
Avg	154	701	228	5540	918	25.40	8.420				
n	3	21	2	3	3	3	3	0	0	0	0
SD	14.4	142.0	30.4	984.0	163.0	4.52	1.510				
Min	136	296	198	4170	691	19.20	6.310				
Max	171	945	259	6440	1070	29.60	9.780				

Table F4. Daily means (SD) of PM10 at site IN2H for July, 2008.

Day	Concentration, µg·dsm^{-3}			House 6 emission				House 7 emission			
	Inlet	House 6	House 7	g·d^{-1}	mg·d^{-1}m^{-2}	mg·d^{-1}hd^{-1}	g·d^{-1}AU^{-1}	g·d^{-1}	mg·d^{-1}m^{-2}	mg·d^{-1}hd^{-1}	g·d^{-1}AU^{-1}
1	169 (77)	552 (317)		5330 (3230)	882 (535)	24.50 (14.80)	8.150 (4.950)				
2	180 (71)	418 (223)		5640 (6230)	934 (1030)	25.90 (28.60)	8.670 (9.590)				
3	146 (66)	597 (343)	390 (119)	6950 (5980)	1150 (990)	31.90 (27.50)	10.700 (9.220)	4030 (2280)	668 (378)	18.30 (10.40)	6.190 (3.500)
4	105 (51)	588 (382)	375 (131)	6170 (5200)	1020 (861)	28.30 (23.90)	9.560 (8.050)	4080 (2600)	675 (431)	18.50 (11.80)	6.260 (4.000)
5	122 (85)	536 (492)	339 (116)	5720 (8830)	948 (1460)	26.30 (40.60)	8.890 (13.700)	3560 (2350)	590 (389)	16.20 (10.70)	5.470 (3.600)
6	114 (52)	477 (873)	283 (121)	9870 (42300)	1630 (7010)	45.40 (194.00)	15.300 (65.800)	3900 (2990)	646 (495)	17.70 (13.60)	5.980 (4.580)
7	120 (63)	209 (178)	233 (114)	2480 (6950)	411 (1150)	11.40 (31.90)	3.860 (10.800)	3440 (2710)	570 (448)	15.60 (12.30)	5.270 (4.150)
8	100 (71)	150 (177)	218 (125)	1630 (8510)	270 (1410)	7.49 (39.10)	2.540 (13.300)	3150 (2320)	522 (384)	14.30 (10.50)	4.820 (3.550)
9	126 (101)	288 (202)	251 (127)	3550 (5430)	589 (899)	16.30 (25.00)	5.550 (8.470)	2490 (1880)	412 (311)	11.30 (8.55)	3.810 (2.870)
10	130 (100)	366 (242)	369 (223)	7270 (9480)	1200 (1570)	33.40 (43.60)	11.400 (14.800)	6870 (7590)	1140 (1260)	31.20 (34.50)	10.500 (11.600)
11	115 (67)	286 (140)	276 (124)	4910 (3470)	814 (575)	22.60 (16.00)	7.680 (5.430)	4410 (2790)	731 (462)	20.10 (12.70)	6.740 (4.260)
12	96 (75)	199 (100)	167 (73)	3630 (4440)	601 (735)	16.70 (20.40)	5.680 (6.950)	2550 (2780)	422 (460)	11.60 (12.60)	3.890 (4.240)
13	78 (102)	336 (156)	256 (126)	4890 (3800)	810 (629)	22.50 (17.50)	7.650 (5.950)				
14	116 (80)	443 (420)	227 (100)	5110 (6280)	847 (1040)	23.50 (28.90)	8.000 (9.830)				
15	121 (78)	309 (212)	204 (86)	4170 (5230)	691 (866)	19.20 (24.10)	6.530 (8.190)	2270 (2650)	376 (439)	10.30 (12.10)	3.470 (4.050)
16	99 (55)	164 (71)	184 (74)	3110 (3530)	515 (584)	14.30 (16.20)	4.870 (5.520)	3250 (2620)	539 (433)	14.80 (11.90)	4.970 (3.990)
17	122 (67)	179 (100)	191 (107)	2020 (3710)	335 (614)	9.30 (17.10)	3.160 (5.810)	2540 (3330)	421 (552)	11.60 (15.20)	3.880 (5.090)
18	176 (515)	167 (79)	203 (99)	2290 (10600)	379 (1760)	10.50 (49.00)	3.580 (16.700)	3640 (9310)	603 (1540)	16.60 (42.40)	5.570 (14.200)
19	150 (84)	295 (202)	303 (130)	5860 (6500)	970 (1080)	27.00 (30.00)	9.170 (10.200)	5630 (3250)	932 (537)	25.60 (14.80)	8.600 (4.960)
20	83 (55)	141 (64)	210 (78)	2490 (2880)	413 (478)	11.50 (13.30)	3.910 (4.520)	4580 (2660)	758 (440)	20.90 (12.10)	6.990 (4.060)
21	90 (112)	142 (80)	206 (98)	1710 (2310)	283 (383)	7.87 (10.70)	2.680 (3.630)	3750 (2860)	620 (473)	17.10 (13.00)	5.710 (4.360)
22	121 (85)	199 (98)	263 (112)	2320 (3780)	385 (626)	10.70 (17.40)	3.640 (5.920)	3850 (3660)	637 (606)	17.50 (16.70)	5.870 (5.580)
23		293 (146)	345 (198)								
24		374 (189)	444 (212)								
25		361 (181)	352 (151)								
26		197 (63)	255 (111)								
27		340 (158)	357 (147)								
28		260 (113)	282 (107)								
29		190 (89)	242 (96)								
30		313 (246)	183 (60)								
31		300 (288)	249 (145)								
Avg	122	312	271	4410	731	20.30	6.870	3780	626	17.20	5.780
n	22	31	29	22	22	22	22	18	18	18	18
SD	27.4	133.0	71.4	2080.0	344.0	9.53	3.210	1110.0	183.0	5.03	1.690
Min	78	141	167	1630	270	7.49	2.540	2270	376	10.30	3.470
Max	180	597	444	9870	1630	45.40	15.300	6870	1140	31.20	10.500

Table F4. Daily means (SD) of PM10 at site IN2H for August, 2008.

Day	Concentration, µg·dsm^{-3}			House 6 emission				House 7 emission			
	Inlet	House 6	House 7	g·d^{-1}	mg·d^{-1}m^{-2}	mg·d^{-1}hd^{-1}	g·d^{-1}AU^{-1}	g·d^{-1}	mg·d^{-1}m^{-2}	mg·d^{-1}hd^{-1}	g·d^{-1}AU^{-1}
1		236 (216)	244 (111)								
2		186 (214)	198 (96)								
3		271 (403)	238 (127)								
4		138 (109)	179 (124)								
5		87 (65)	105 (67)								
6		296 (429)	193 (115)								
7		188 (94)	349 (230)								
8		386 (280)	614 (313)								
9		342 (181)	704 (456)								
10		604 (289)	848 (566)								
11		348 (244)	630 (488)								
12		478 (816)	597 (434)								
13		331 (395)	575 (360)								
14		663 (546)	577 (240)								
15	151 (70)	903 (416)	690 (482)	11400 (7370)	1890 (1220)	52.90 (34.10)	18.000 (11.600)	8590 (7300)	1420 (1210)	39.30 (33.40)	14.600 (12.400)
16	160 (114)	580 (267)	616 (465)	7080 (4800)	1170 (794)	32.80 (22.20)	11.200 (7.550)	10700 (15400)	1770 (2550)	49.00 (70.60)	18.400 (26.600)
17	99 (55)	651 (945)	486 (303)	12500 (30300)	2060 (5020)	57.70 (141.00)	19.600 (47.800)	9230 (6290)	1530 (1040)	42.30 (28.80)	16.000 (10.900)
18	174 (540)	636 (1210)	428 (352)	10100 (18900)	1670 (3130)	46.70 (87.60)	15.900 (29.800)	6590 (16400)	1090 (2710)	30.20 (75.10)	11.400 (28.500)
19	246 (273)	411 (261)	318 (196)	5240 (9210)	868 (1530)	24.30 (42.70)	8.270 (14.500)	2020 (6380)	335 (1060)	9.26 (29.20)	3.530 (11.100)
20	55 (82)	504 (304)	428 (442)	8540 (8130)	1410 (1350)	39.60 (37.70)	13.500 (12.800)	5990 (7490)	993 (1240)	27.50 (34.30)	10.500 (13.100)
21	171 (216)	442 (291)	361 (281)	4500 (11500)	746 (1900)	20.90 (53.20)	7.100 (18.100)	2370 (9690)	393 (1600)	10.90 (44.40)	4.150 (17.000)
22	73 (73)	250 (206)	210 (100)	5250 (6960)	869 (1150)	24.30 (32.30)	8.280 (11.000)	5820 (3560)	965 (590)	26.70 (16.30)	10.300 (6.270)
23	61 (44)	472 (1380)	271 (236)	13100 (47600)	2170 (7880)	60.70 (221.00)	20.700 (75.100)	8000 (7200)	1320 (1190)	36.60 (33.00)	14.100 (12.700)
24	43 (42)	288 (667)	215 (134)	7190 (28800)	1190 (4770)	33.30 (134.00)	11.300 (45.400)	5410 (3850)	895 (637)	24.80 (17.60)	9.580 (6.820)
25	31 (35)	507 (815)	419 (309)	4730 (8580)	783 (1420)	21.90 (39.80)	7.460 (13.500)	6400 (4880)	1060 (808)	29.30 (22.40)	11.400 (8.680)
26	33 (31)	437 (488)	479 (425)	5770 (11600)	956 (1930)	26.80 (54.00)	9.110 (18.400)	6940 (5630)	1150 (932)	31.80 (25.80)	12.400 (10.000)
27	50 (53)	334 (276)	331 (212)	6340 (8740)	1050 (1450)	29.50 (40.60)	10.000 (13.800)	7240 (4680)	1200 (774)	33.20 (21.40)	13.000 (8.370)
28	53 (36)	304 (315)	324 (178)	5050 (7520)	836 (1250)	23.40 (34.90)	7.970 (11.900)	7780 (5180)	1290 (858)	35.70 (23.80)	14.000 (9.310)
29	46 (55)	266 (510)	278 (148)	8250 (29300)	1370 (4850)	38.30 (136.00)	13.000 (46.200)	9400 (5340)	1560 (883)	43.10 (24.50)	16.900 (9.620)
30	47 (61)	333 (228)	462 (413)	6090 (4150)	1010 (687)	28.30 (19.30)	9.620 (6.550)	10900 (6800)	1800 (1130)	49.80 (31.20)	19.600 (12.300)
31	52 (56)	318 (324)	431 (315)	5630 (4900)	933 (811)	26.20 (22.80)	8.900 (7.740)	10700 (6370)	1760 (1060)	48.90 (29.30)	19.200 (11.500)
Avg	91	393	413	7450	1230	34.60	11.800	7290	1210	33.40	12.900
n	17	31	31	17	17	17	17	17	17	17	17
SD	62.4	175.0	183.0	2680.0	444.0	12.40	4.220	2510.0	415.0	11.50	4.470
Min	31	87	105	4500	746	20.90	7.100	2020	335	9.26	3.530
Max	246	903	848	13100	2170	60.70	20.700	10900	1800	49.80	19.600

Table F4. Daily means (SD) of PM10 at site IN2H for September, 2008.

Day	Concentration, µg·dsm^{-3}			House 6 emission				House 7 emission			
	Inlet	House 6	House 7	g·d^{-1}	mg·d^{-1}m^{-2}	mg·d^{-1}hd^{-1}	g·d^{-1}AU^{-1}	g·d^{-1}	mg·d^{-1}m^{-2}	mg·d^{-1}hd^{-1}	g·d^{-1}AU^{-1}
1	78 (88)	320 (672)	422 (298)	5020 (11000)	832 (1820)	23.30 (51.10)	7.940 (17.400)	9310 (7520)	1540 (1250)	42.80 (34.50)	16.800 (13.600)
2	85 (73)	192 (124)	399 (250)	2550 (2330)	423 (385)	11.90 (10.80)	4.040 (3.680)	10200 (6790)	1690 (1120)	46.90 (31.20)	18.400 (12.200)
3	142 (491)	186 (106)	304 (177)	2260 (2350)	375 (390)	10.50 (10.90)	3.580 (3.720)	9150 (5050)	1520 (836)	42.00 (23.20)	16.500 (9.090)
4	76 (51)	321 (266)	326 (215)	5290 (6200)	876 (1030)	24.60 (28.80)	8.360 (9.810)	9900 (8630)	1640 (1430)	45.50 (39.60)	17.800 (15.500)
5	213 (108)	398 (412)	420 (183)	2820 (6390)	467 (1060)	13.10 (29.70)	4.460 (10.100)	6520 (5140)	1080 (851)	30.00 (23.60)	11.700 (9.230)
6	207 (77)	454 (246)	608 (400)	3360 (3800)	556 (629)	15.60 (17.70)	5.320 (6.010)	8290 (8130)	1370 (1350)	38.10 (37.40)	14.900 (14.600)
7	175 (68)	550 (247)	555 (310)	5220 (4110)	865 (681)	24.30 (19.10)	8.270 (6.500)	7770 (6570)	1290 (1090)	35.70 (30.20)	14.000 (11.900)
8	186 (150)	551 (267)	648 (395)	5420 (4450)	897 (737)	25.20 (20.70)	8.570 (7.040)	9450 (9230)	1560 (1530)	43.40 (42.40)	17.200 (16.800)
9	129 (53)	621 (291)	804 (514)	5330 (3930)	883 (650)	24.80 (18.30)	8.450 (6.220)	8630 (8890)	1430 (1470)	39.70 (40.90)	15.700 (16.200)
10	99 (68)	540 (355)	754 (735)	4990 (4470)	826 (740)	23.20 (20.80)	7.900 (7.080)	8830 (10700)	1460 (1780)	40.60 (49.40)	16.200 (19.700)
11	153 (60)	536 (331)	816 (538)	5310 (5100)	879 (845)	24.70 (23.80)	8.410 (8.080)	10100 (5530)	1670 (917)	46.50 (25.50)	18.600 (10.200)
12	155 (68)	257 (86)	530 (265)	2060 (1740)	341 (288)	9.58 (8.11)	3.260 (2.760)	14800 (8040)	2450 (1330)	68.20 (37.00)	27.400 (14.900)
13	124 (57)	219 (85)	399 (151)	3420 (3240)	566 (536)	15.90 (15.10)	5.410 (5.130)	12900 (5870)	2130 (973)	59.30 (27.00)	23.800 (10.900)
14	126 (51)	312 (160)	470 (187)	3190 (2160)	528 (357)	14.90 (10.10)	5.060 (3.420)	12400 (6510)	2060 (1080)	57.20 (30.00)	22.800 (11.900)
15	230 (109)	554 (239)	767 (275)	3250 (2670)	539 (442)	15.20 (12.40)	5.160 (4.230)	9900 (5900)	1640 (977)	45.60 (27.20)	18.000 (10.700)
16	210 (108)	577 (247)	784 (368)	3540 (2740)	587 (453)	16.50 (12.80)	5.620 (4.340)	8970 (5950)	1490 (985)	41.30 (27.40)	16.100 (10.700)
17	267 (219)	470 (381)	864 (464)	2120 (6510)	351 (1080)	9.90 (30.40)	3.370 (10.300)	9910 (8080)	1640 (1340)	45.70 (37.20)	17.700 (14.400)
18	147 (71)	602 (277)	1150 (499)	5380 (4440)	891 (736)	25.10 (20.70)	8.540 (7.050)	12700 (6630)	2100 (1100)	58.50 (30.50)	22.400 (11.700)
19	235 (169)	600 (371)	1190 (555)	4840 (7990)	802 (1320)	22.60 (37.30)	7.690 (12.700)	13100 (8490)	2170 (1410)	60.30 (39.10)	22.900 (14.900)
20	395 (211)	481 (230)	1150 (660)	1880 (3430)	311 (569)	8.76 (16.00)	2.980 (5.450)	14000 (8920)	2320 (1480)	64.40 (41.10)	24.300 (15.500)
21	282 (220)	392 (170)	1060 (634)	2310 (4210)	383 (696)	10.80 (19.60)	3.660 (6.670)	14100 (6410)	2340 (1060)	65.20 (29.60)	24.500 (11.100)
22	179 (82)	423 (479)	1140 (623)	4080 (14100)	676 (2340)	19.10 (65.90)	6.470 (22.300)	14500 (7500)	2400 (1240)	66.70 (34.50)	24.900 (12.900)
23	249 (109)	385 (227)	1230 (747)	833 (3000)	138 (496)	3.89 (14.00)	1.320 (4.750)	14900 (7980)	2470 (1320)	68.80 (36.80)	25.600 (13.700)
24	331 (164)	349 (211)	1050 (627)	-411 (2910)	-68 (482)	-1.92 (13.60)	-0.650 (4.610)	14000 (5740)	2320 (951)	64.60 (26.50)	23.900 (9.800)
25	301 (119)	414 (195)	1040 (597)	1000 (2900)	166 (479)	4.68 (13.50)	1.580 (4.580)	13200 (7090)	2190 (1170)	61.00 (32.70)	22.500 (12.000)
26	229 (77)	330 (170)	1220 (797)	874 (1760)	145 (291)	4.08 (8.22)	1.380 (2.780)	15100 (11400)	2500 (1890)	69.50 (52.60)	25.400 (19.200)
27	269 (99)	306 (143)	1030 (600)	15 (2320)	3 (385)	0.07 (10.90)	0.024 (3.680)	11200 (6990)	1860 (1160)	51.70 (32.30)	18.800 (11.700)
28	337 (180)	297 (142)	642 (414)	-1030 (3180)	-171 (527)	-4.83 (14.90)	-1.640 (5.050)	3240 (4860)	536 (806)	14.90 (22.40)	5.390 (8.100)
29	304 (162)	302 (113)	462 (229)	-320 (2000)	-53 (332)	-1.50 (9.37)	-0.510 (3.190)	1460 (3670)	243 (607)	6.76 (16.90)	2.420 (6.050)
30	330 (181)	413 (151)	515 (236)	616 (1660)	102 (276)	2.88 (7.79)	0.984 (2.660)	2140 (2740)	355 (453)	9.89 (12.60)	3.510 (4.470)
Avg	208	412	759	2840	470	13.20	4.500	10400	1720	47.70	18.300
n	30	30	30	30	30	30	30	30	30	30	30
SD	84.4	126.0	299.0	1970.0	326.0	9.15	3.110	3600.0	595.0	16.60	6.270
Min	76	186	304	-1030	-171	-4.83	-1.640	1460	243	6.76	2.420
Max	395	621	1230	5420	897	25.20	8.570	15100	2500	69.50	27.400

Table F4. Daily means (SD) of PM10 at site IN2H for October, 2008.

Day	Concentration, µg·dsm^{-3}			House 6 emission				House 7 emission			
	Inlet	House 6	House 7	g·d^{-1}	mg·d^{-1}m^{-2}	mg·d^{-1}hd^{-1}	g·d^{-1}AU^{-1}	g·d^{-1}	mg·d^{-1}m^{-2}	mg·d^{-1}hd^{-1}	g·d^{-1}AU^{-1}
1	274 (137)	521 (197)	548 (387)	1610 (1490)	267 (247)	7.55 (6.98)	2.580 (2.390)	2500 (3390)	413 (561)	11.50 (15.60)	4.050 (5.490)
2	244 (195)	544 (267)	447 (250)	2080 (2310)	344 (383)	9.72 (10.80)	3.340 (3.720)	1940 (2510)	322 (415)	8.97 (11.60)	3.130 (4.040)
3	207 (152)	833 (660)	1160 (1200)	4100 (4600)	680 (761)	19.20 (21.50)	6.620 (7.420)	7260 (9340)	1200 (1550)	33.50 (43.10)	11.600 (14.900)
4											
5	329 (198)	1760 (1290)	3350 (1500)								
6	259 (582)	1200 (1280)	2520 (1090)								
7	325 (290)	1360 (1310)	1880 (719)								
8	583 (459)	1110 (2160)	2390 (992)	3320 (15400)	550 (2550)	15.60 (72.10)	5.320 (24.600)	24700 (15200)	4100 (2520)	114.00 (70.30)	38.900 (23.900)
9	307 (195)	479 (361)	1480 (625)	746 (2630)	123 (435)	3.49 (12.30)	1.190 (4.200)	12600 (6730)	2080 (1110)	58.10 (31.10)	19.700 (10.500)
10	111 (99)	497 (471)	1050 (504)	2260 (4700)	375 (778)	10.60 (22.00)	3.610 (7.500)	11000 (5820)	1820 (963)	50.60 (26.90)	17.100 (9.080)
11	196 (155)	434 (324)	997 (504)	793 (6940)	131 (1150)	3.72 (32.50)	1.260 (11.100)	14100 (7380)	2340 (1220)	65.20 (34.10)	22.000 (11.500)
12	190 (148)	205 (552)	863 (607)	-2060 (17300)	-341 (2870)	-9.64 (81.30)	-3.280 (27.700)	10900 (7120)	1800 (1180)	50.20 (32.90)	17.000 (11.100)
13	332 (294)	422 (274)	770 (482)	1660 (5690)	274 (942)	7.77 (26.70)	2.640 (9.070)	9700 (11000)	1610 (1820)	44.80 (50.90)	15.100 (17.200)
14	245 (225)	283 (273)	788 (283)	128 (3240)	21 (537)	0.60 (15.20)	0.204 (5.170)	7870 (4490)	1300 (743)	36.30 (20.70)	12.300 (7.000)
15	237 (232)	461 (326)	951 (442)	2050 (2680)	339 (445)	9.61 (12.60)	3.270 (4.280)				
16	216 (204)	682 (585)	1670 (513)	3140 (4100)	519 (679)	14.70 (19.20)	5.000 (6.540)	10000 (4990)	1660 (826)	46.20 (23.00)	15.600 (7.790)
17	121 (204)	924 (394)	1590 (512)	4910 (3010)	813 (499)	23.10 (14.10)	7.840 (4.810)	9830 (5250)	1630 (869)	45.40 (24.30)	15.300 (8.190)
18	124 (185)	764 (250)	1400 (444)	3660 (2220)	607 (368)	17.20 (10.40)	5.850 (3.550)	8530 (4620)	1410 (765)	39.40 (21.30)	13.300 (7.200)
19	205 (242)	832 (338)	870 (428)	3320 (2730)	550 (452)	15.60 (12.80)	5.300 (4.360)	4210 (3360)	696 (556)	19.40 (15.50)	6.550 (5.230)
20	230 (225)	731 (365)	424 (241)	3060 (2480)	506 (411)	14.40 (11.70)	4.880 (3.970)	1380 (1930)	229 (320)	6.38 (8.93)	2.140 (3.000)
21	97 (184)	827 (377)	311 (164)	3710 (2520)	615 (417)	17.40 (11.80)	5.930 (4.030)	1310 (1500)	217 (248)	6.06 (6.93)	2.030 (2.320)
22	81 (88)	886 (354)	250 (124)	3900 (2380)	646 (394)	18.30 (11.20)	6.240 (3.800)	1050 (1040)	174 (173)	4.87 (4.82)	1.630 (1.620)
23	89 (74)	808 (348)	532 (684)	3640 (2430)	603 (403)	17.10 (11.40)	5.820 (3.890)	2830 (4400)	468 (728)	13.10 (20.30)	4.370 (6.790)
24	201 (125)	759 (297)	1620 (495)	3090 (1790)	511 (297)	14.50 (8.43)	4.940 (2.870)	9020 (3990)	1490 (661)	41.70 (18.50)	13.900 (6.160)
25	104 (70)	831 (318)	1630 (521)	3760 (2270)	623 (376)	17.70 (10.70)	6.020 (3.630)	8750 (4090)	1450 (678)	40.50 (18.90)	13.500 (6.300)
26	54 (33)	600 (223)	1460 (475)	2760 (1630)	457 (270)	13.00 (7.67)	4.430 (2.620)	8910 (4450)	1470 (737)	41.20 (20.60)	13.700 (6.840)
27	48 (38)	857 (341)	1560 (530)	3620 (2440)	599 (405)	17.00 (11.50)	5.820 (3.930)	8460 (5060)	1400 (838)	39.10 (23.40)	13.000 (7.770)
28	49 (36)	1050 (555)	1810 (789)	3870 (2970)	642 (491)	18.20 (14.00)	6.240 (4.780)	8890 (5680)	1470 (941)	41.10 (26.30)	13.600 (8.700)
29	80 (43)	1080 (648)	1770 (527)	5000 (4180)	827 (692)	23.50 (19.70)	8.070 (6.740)	8960 (4740)	1480 (785)	41.50 (21.90)	13.700 (7.250)
30	126 (91)	897 (495)	1490 (488)	3850 (2910)	638 (481)	18.10 (13.70)	6.240 (4.700)	8700 (4720)	1440 (781)	40.20 (21.80)	13.300 (7.200)
31	170 (79)	656 (348)	1210 (693)	3640 (3210)	603 (531)	17.20 (15.10)	5.910 (5.200)				
Avg	194	776	1290	2800	464	13.20	4.490	8140	1350	37.60	12.700
n	30	30	30	27	27	27	27	25	25	25	25
SD	112.0	321.0	689.0	1530.0	253.0	7.17	2.450	4970.0	822.0	22.90	7.770
Min	48	205	250	-2060	-341	-9.64	-3.280	1050	174	4.87	1.630
Max	583	1760	3350	5000	827	23.50	8.070	24700	4100	114.00	38.900

Table F4. Daily means (SD) of PM10 at site IN2H for November, 2008.

Day	Concentration, µg·dsm^{-3}			House 6 emission				House 7 emission			
	Inlet	House 6	House 7	g·d^{-1}	mg·d^{-1}m^{-2}	mg·d^{-1}hd^{-1}	g·d^{-1}AU^{-1}	g·d^{-1}	mg·d^{-1}m^{-2}	mg·d^{-1}hd^{-1}	g·d^{-1}AU^{-1}
1	134 (86)	560 (323)	1140 (679)	2980 (2470)	493 (408)	14.00 (11.60)	4.840 (4.010)	9360 (7350)	1550 (1220)	43.30 (34.00)	14.200 (11.200)
2	91 (74)	575 (375)	960 (673)	3180 (2670)	527 (443)	15.00 (12.60)	5.180 (4.350)	7670 (7260)	1270 (1200)	35.50 (33.60)	11.700 (11.000)
3	216 (304)	459 (328)	706 (712)	2000 (3550)	331 (587)	9.41 (16.70)	3.250 (5.780)	5510 (9450)	912 (1570)	25.50 (43.80)	8.360 (14.400)
4	173 (158)	562 (396)	427 (674)	2840 (3130)	470 (519)	13.40 (14.80)	4.630 (5.110)	2460 (8070)	407 (1340)	11.40 (37.40)	3.730 (12.300)
5	203 (568)	657 (532)		3130 (7160)	518 (1190)	14.70 (33.80)	5.110 (11.700)				
6	234 (112)	672 (280)		3360 (2470)	556 (408)	15.80 (11.60)	5.490 (4.030)				
7	113 (113)	645 (371)		2960 (2640)	491 (437)	14.00 (12.50)	4.850 (4.320)				
8	26 (27)	1060 (438)		4520 (2810)	749 (466)	21.30 (13.30)	7.410 (4.610)				
9	20 (18)	1080 (434)		4340 (2740)	719 (454)	20.50 (12.90)	7.130 (4.500)				
10	52 (51)	1100 (483)		4260 (2750)	705 (456)	20.10 (13.00)	7.000 (4.520)				
11	65 (41)	999 (420)		4040 (2590)	668 (429)	19.10 (12.20)	6.640 (4.260)				
12	71 (56)	764 (497)		3620 (3150)	600 (522)	17.10 (14.90)	5.960 (5.190)				
13											
14	60 (68)	763 (282)		4020 (2140)	665 (355)	19.00 (10.10)	6.630 (3.540)				
15	15 (41)	1070 (420)		4680 (2770)	775 (459)	22.10 (13.10)	7.740 (4.580)				
16	17 (28)	1260 (505)		5110 (3250)	847 (538)	24.20 (15.40)	8.460 (5.380)				
17	18 (33)	1180 (472)		4740 (2980)	785 (494)	22.40 (14.10)	7.850 (4.940)				
18	23 (46)	1050 (448)		4230 (2880)	700 (476)	20.00 (13.60)	7.010 (4.770)				
19	47 (43)	997 (419)		4190 (2730)	694 (452)	19.80 (12.90)	6.960 (4.540)				
20	11 (32)	1040 (513)		4450 (3110)	736 (516)	21.00 (14.70)	7.390 (5.180)				
21	9 (28)	1120 (729)		4510 (3860)	747 (640)	21.30 (18.30)	7.510 (6.430)				
22	36 (57)	900 (432)		3580 (2710)	593 (449)	16.90 (12.80)	5.960 (4.510)				
23	45 (66)	842 (408)		3490 (2590)	578 (429)	16.50 (12.30)	5.800 (4.300)				
24	31 (44)	809 (437)		3580 (2580)	593 (428)	17.00 (12.20)	5.950 (4.290)				
25	11 (18)	939 (675)		3990 (3480)	661 (576)	18.90 (16.50)	6.610 (5.760)				
26	49 (27)	1340 (571)	1280 (436)	5720 (3420)	948 (566)	27.10 (16.20)	9.460 (5.650)	5860 (3200)	971 (529)	27.20 (14.80)	8.960 (4.880)
27	49 (23)	1240 (509)	1200 (442)	5280 (3270)	874 (542)	25.00 (15.50)	8.710 (5.400)	5720 (3350)	947 (555)	26.60 (15.60)	8.740 (5.120)
28	30 (18)	1220 (512)	1080 (387)	5220 (3150)	865 (522)	24.80 (14.90)	8.610 (5.190)	5110 (2930)	847 (485)	23.80 (13.60)	7.820 (4.480)
29	57 (31)	1200 (485)	1060 (404)	4820 (2960)	799 (490)	22.90 (14.00)	7.940 (4.870)	4470 (2450)	741 (406)	20.80 (11.40)	6.840 (3.760)
30	33 (17)	1130 (428)	1050 (389)	4730 (2680)	783 (444)	22.40 (12.70)	7.800 (4.420)	4570 (2520)	757 (417)	21.30 (11.70)	7.010 (3.860)
Avg	67	939	987	4050	671	19.20	6.690	5640	933	26.10	8.600
n	29	29	9	29	29	29	29	9	9	9	9
SD	63.5	243.0	250.0	842.0	139.0	4.00	1.410	1850.0	307.0	8.57	2.820
Min	9	459	427	2000	331	9.41	3.250	2460	407	11.40	3.730
Max	234	1340	1280	5720	948	27.10	9.460	9360	1550	43.30	14.200

Table F4. Daily means (SD) of PM10 at site IN2H for December, 2008.

Day	Concentration, µg·dsm^{-3}			House 6 emission				House 7 emission			
	Inlet	House 6	House 7	g·d^{-1}	mg·d^{-1}m^{-2}	mg·d^{-1}hd^{-1}	g·d^{-1}AU^{-1}	g·d^{-1}	mg·d^{-1}m^{-2}	mg·d^{-1}hd^{-1}	g·d^{-1}AU^{-1}
1	13 (8)	1140 (525)	976 (423)	4540 (3200)	752 (530)	21.50 (15.20)	7.500 (5.280)	4090 (2530)	678 (420)	19.00 (11.80)	6.290 (3.890)
2											
3	44 (27)	968 (500)	887 (345)	4120 (2990)	681 (495)	19.50 (14.20)	6.810 (4.950)	3590 (2150)	595 (356)	16.70 (10.00)	5.540 (3.320)
4	11 (18)		986 (676)					3660 (2810)	607 (465)	17.00 (13.10)	5.660 (4.340)
5	19 (11)		1460 (1350)					4620 (5290)	765 (875)	21.50 (24.60)	7.150 (8.180)
6	19 (15)		986 (431)					3550 (2450)	587 (406)	16.50 (11.40)	5.500 (3.800)
7	24 (19)		1000 (419)					3320 (2460)	550 (407)	15.40 (11.40)	5.130 (3.800)
8	48 (25)		1090 (441)					4480 (3250)	742 (539)	20.90 (15.10)	6.920 (5.020)
9	57 (31)		1080 (401)					5180 (3310)	858 (548)	24.10 (15.40)	7.990 (5.100)
10	34 (18)		985 (381)					4280 (3020)	709 (500)	19.90 (14.10)	6.590 (4.650)
11	28 (18)		786 (377)					3140 (2430)	521 (402)	14.60 (11.30)	4.830 (3.730)
12											
13											
14											
15											
16											
17											
18											
19											
20											
21											
22											
23		1 (0)									
24		786 (1020)									
25		1130 (470)									
26		806 (473)									
27		565 (366)									
28		1050 (617)									
29		850 (525)									
30		919 (550)									
31	25 (13)	1310 (499)		4320 (2430)	715 (403)	20.70 (11.60)	7.060 (3.980)	3640 (2140)	602 (355)	17.00 (10.00)	5.630 (3.320)
Avg	29	866	1020	4330	716	20.60	7.120	3960	656	18.40	6.110
n	11	11	10	3	3	3	3	11	11	11	11
SD	14.1	336.0	167.0	173.0	28.7	0.82	0.282	595.0	98.5	2.76	0.916
Min	11	1	786	4120	681	19.50	6.810	3140	521	14.60	4.830
Max	57	1310	1460	4540	752	21.50	7.500	5180	858	24.10	7.990

Table F4. Daily means (SD) of PM10 at site IN2H for January, 2009.

Day	Concentration, µg·dsm^{-3}			House 6 emission				House 7 emission			
	Inlet	House 6	House 7	g·d^{-1}	mg·d^{-1}m^{-2}	mg·d^{-1}hd^{-1}	g·d^{-1}AU^{-1}	g·d^{-1}	mg·d^{-1}m^{-2}	mg·d^{-1}hd^{-1}	g·d^{-1}AU^{-1}
1	36 (22)	991 (401)		3740 (2030)	619 (336)	17.90 (9.69)	6.100 (3.310)	2330 (1990)	385 (330)	10.90 (9.32)	3.600 (3.090)
2	28 (10)	1050 (420)		4150 (2200)	687 (365)	19.90 (10.50)	6.760 (3.590)	2190 (1300)	363 (215)	10.30 (6.06)	3.390 (2.010)
3	29 (9)	1060 (460)		4220 (2490)	698 (413)	20.20 (11.90)	6.870 (4.060)	2000 (1230)	332 (204)	9.38 (5.77)	3.100 (1.910)
4	24 (11)	874 (350)		3650 (2270)	605 (377)	17.50 (10.90)	5.950 (3.700)	2160 (1280)	358 (212)	10.10 (5.99)	3.340 (1.980)
5	32 (21)							2050 (1570)	340 (260)	9.62 (7.36)	3.180 (2.430)
6	23 (11)							2400 (1390)	397 (231)	11.20 (6.53)	3.700 (2.150)
7	19 (8)							2010 (1150)	332 (190)	9.40 (5.38)	3.100 (1.770)
8	20 (5)							1330 (1650)	221 (273)	6.25 (7.71)	2.060 (2.540)
9	30 (12)							3870 (3010)	641 (499)	18.10 (14.10)	5.970 (4.650)
10	31 (19)							3660 (2030)	606 (336)	17.20 (9.50)	5.630 (3.120)
11	27 (14)							3040 (1850)	503 (307)	14.20 (8.68)	4.660 (2.840)
12	44 (25)							2600 (1560)	431 (258)	12.20 (7.29)	3.980 (2.380)
13	10 (8)							1940 (1480)	321 (244)	9.10 (6.92)	2.950 (2.250)
14	19 (13)							3120 (2550)	517 (423)	14.70 (12.00)	4.740 (3.870)
15	12 (4)										
16											
17											
18											
19											
20											
21											
22											
23											
24	14 (9)										
25	24 (7)										
26	39 (22)										
27	30 (13)										
28	30 (20)							2410 (1450)	399 (239)	11.30 (6.81)	3.710 (2.230)
29	21 (10)										
30	15 (5)										
31											
Avg	25	994		3940	652	18.90	6.420	2470	410	11.60	3.810
n	22	4	0	4	4	4	4	15	15	15	15
SD	8.5	74.3		247.0	40.9	1.18	0.400	660.0	109.0	3.10	1.010
Min	10	874		3650	605	17.50	5.950	1330	221	6.25	2.060
Max	44	1060		4220	698	20.20	6.870	3870	641	18.10	5.970

Table F4. Daily means (SD) of PM10 at site IN2H for March, 2009.

Day	Concentration, µg·dsm^{-3}			House 6 emission				House 7 emission			
	Inlet	House 6	House 7	g·d^{-1}	mg·d^{-1}m^{-2}	mg·d^{-1}hd^{-1}	g·d^{-1}AU^{-1}	g·d^{-1}	mg·d^{-1}m^{-2}	mg·d^{-1}hd^{-1}	g·d^{-1}AU^{-1}
1											
2											
3											
4											
5	116 (87)	687 (337)									
6	94 (60)		616 (256)					4540 (2490)	751 (412)	21.70 (11.90)	7.040 (3.870)
7	97 (72)	588 (478)	729 (264)	3820 (6410)	632 (1060)	18.70 (31.40)	5.970 (10.000)	5490 (3450)	909 (572)	26.30 (16.50)	8.530 (5.360)
8	18 (15)	512 (306)	611 (242)	3220 (2820)	533 (466)	15.70 (13.80)	5.020 (4.390)	4090 (2700)	677 (447)	19.50 (12.90)	6.350 (4.200)
9	46 (31)	629 (312)	575 (230)	2670 (1600)	442 (265)	13.10 (7.82)	4.150 (2.480)	2400 (1240)	398 (205)	11.50 (5.92)	3.730 (1.920)
10	67 (70)	466 (227)	432 (216)	3280 (3090)	544 (512)	16.10 (15.10)	5.090 (4.790)	2980 (3020)	494 (499)	14.30 (14.40)	4.630 (4.690)
11	11 (17)	885 (470)	767 (385)	3340 (2250)	553 (372)	16.40 (11.00)	5.160 (3.470)	2820 (1660)	466 (276)	13.50 (7.97)	4.380 (2.590)
12	46 (36)		732 (382)					2610 (1580)	432 (262)	12.50 (7.59)	4.050 (2.460)
13	39 (32)		767 (346)					2750 (1550)	456 (257)	13.20 (7.42)	4.280 (2.410)
14	42 (23)		676 (337)					2760 (1870)	458 (309)	13.20 (8.95)	4.300 (2.910)
15	37 (21)		819 (449)					4350 (3600)	720 (595)	20.80 (17.20)	6.760 (5.600)
16	107 (109)		771 (502)					4150 (4520)	688 (748)	19.90 (21.70)	6.460 (7.030)
17	117 (82)		673 (314)					4920 (3640)	815 (603)	23.60 (17.50)	7.660 (5.670)
18	132 (86)		917 (483)					5390 (3460)	892 (573)	25.90 (16.60)	8.390 (5.380)
19	78 (60)	1090 (440)	731 (242)	4850 (2910)	804 (482)	23.80 (14.30)	7.800 (4.680)	2730 (1220)	451 (202)	13.10 (5.84)	4.250 (1.900)
20	48 (43)	847 (387)	688 (255)	3590 (2420)	595 (401)	17.60 (11.90)	5.820 (3.920)	2350 (1030)	390 (170)	11.30 (4.93)	3.670 (1.600)
21	118 (112)	626 (377)	691 (264)	2710 (2400)	449 (397)	13.30 (11.80)	4.410 (3.900)	3050 (2030)	505 (337)	14.60 (9.76)	4.750 (3.170)
22	66 (70)	537 (347)	704 (764)	2820 (2460)	467 (407)	13.90 (12.10)	4.590 (3.990)	4870 (7540)	807 (1250)	23.40 (36.20)	7.580 (11.700)
23	24 (20)	791 (773)	540 (283)	4020 (4510)	666 (747)	19.80 (22.20)	6.540 (7.330)	2790 (2080)	461 (344)	13.40 (9.99)	4.330 (3.230)
24	47 (27)	535 (343)	529 (353)	2750 (2150)	455 (356)	13.50 (10.60)	4.460 (3.490)	3770 (3490)	624 (578)	18.10 (16.80)	5.860 (5.430)
25	90 (91)	502 (300)	3 (6)	2430 (2830)	402 (468)	11.90 (13.90)	3.940 (4.590)	-622 (750)	-103 (124)	-2.99 (3.60)	-0.966 (1.170)
26	84 (95)	745 (530)	4 (16)	3190 (2650)	528 (439)	15.70 (13.00)	5.170 (4.300)	-428 (609)	-71 (101)	-2.06 (2.93)	-0.664 (0.946)
27	87 (103)	811 (377)	22 (80)	4240 (3240)	702 (536)	20.90 (16.00)	6.880 (5.250)	-428 (835)	-71 (138)	-2.06 (4.01)	-0.663 (1.300)
28	29 (18)	883 (337)	30 (313)	4690 (3090)	777 (512)			-14 (1890)	-2 (313)	-0.07 (9.08)	-0.022 (2.940)
29	11 (39)	866 (364)		3010 (2120)	499 (351)						
30	55 (86)	426 (228)		1710 (1560)	283 (259)						
31	39 (63)	171 (104)	87 (448)	794 (812)	132 (134)			215 (1910)	36 (316)	1.03 (9.17)	0.336 (2.980)
Avg	65	663	546	3170	526	16.50	5.360	2810	466	13.50	4.380
n	27	19	24	18	18	14	14	24	24	24	24
SD	34.9	209.0	283.0	966.0	160.0	3.27	1.080	1830.0	303.0	8.76	2.840
Min	11	171	3	794	132	11.90	3.940	-622	-103	-2.99	-0.966
Max	132	1090	917	4850	804	23.80	7.800	5490	909	26.30	8.530

Table F4. Daily means (SD) of PM10 at site IN2H for April, 2009.

Day	Concentration, µg·dsm^{-3}			House 6 emission				House 7 emission			
	Inlet	House 6	House 7	g·d^{-1}	mg·d^{-1}m^{-2}	mg·d^{-1}hd^{-1}	g·d^{-1}AU^{-1}	g·d^{-1}	mg·d^{-1}m^{-2}	mg·d^{-1}hd^{-1}	g·d^{-1}AU^{-1}
1	59 (62)	187 (210)		833 (1840)	138 (304)						
2	50 (27)	156 (477)	700 (222)					4810 (2550)	796 (422)	23.10 (12.30)	7.580 (4.020)
3	27 (17)	426 (537)	626 (255)	494 (631)	82 (105)			2340 (1350)	387 (223)	11.30 (6.48)	3.700 (2.130)
4	46 (33)	686 (531)	567 (441)	726 (592)	120 (98)			2200 (1840)	364 (305)	10.60 (8.86)	3.470 (2.900)
5	22 (14)	652 (417)	459 (209)					2150 (1770)	356 (294)	10.30 (8.54)	3.380 (2.790)
6	25 (23)	836 (894)	538 (217)					1740 (848)	288 (140)	8.39 (4.09)	2.730 (1.330)
7	21 (18)	1270 (1060)	593 (309)	2400 (4040)	398 (668)			1940 (1170)	322 (194)	9.36 (5.66)	3.030 (1.830)
8	48 (30)	1150 (917)	662 (312)	3670 (4640)	608 (769)			2720 (1990)	450 (329)	13.10 (9.58)	4.220 (3.080)
9											
10											
11											
12											
13											
14											
15											
16											
17	147 (193)	803 (488)	819 (277)	7230 (4300)	1200 (712)	32.60 (19.40)	12.400 (7.400)	5260 (3460)	871 (573)	25.40 (16.70)	8.140 (5.360)
18	156 (99)	623 (301)	733 (254)	7420 (3460)	1230 (572)	33.40 (15.60)	12.900 (6.000)	5710 (3430)	946 (568)	27.60 (16.60)	8.840 (5.310)
19	77 (82)	1040 (383)	909 (337)	11500 (6590)	1900 (1090)	51.70 (29.70)	20.100 (11.500)	6180 (3390)	1020 (562)	29.90 (16.40)	9.550 (5.240)
20	28 (28)	1250 (493)	683 (315)	9200 (5370)	1520 (889)	41.40 (24.20)	16.200 (9.470)	2960 (2040)	490 (337)	14.30 (9.85)	4.560 (3.140)
21	14 (11)	1210 (434)	638 (321)	7400 (4240)	1230 (702)	33.40 (19.10)	13.200 (7.540)	2380 (1660)	395 (275)	11.50 (8.05)	3.670 (2.560)
22	40 (30)	857 (382)	638 (379)	6310 (4010)	1050 (664)	28.40 (18.10)	11.300 (7.190)	2760 (2250)	458 (373)	13.40 (10.90)	4.250 (3.470)
23	46 (69)	764 (339)	795 (348)	7720 (6860)	1280 (1140)	34.80 (30.90)	14.000 (12.400)	4690 (3840)	777 (637)	22.70 (18.60)	7.210 (5.900)
24	98 (80)	512 (250)	620 (285)	12700 (6480)	2110 (1070)	57.40 (29.20)	23.200 (11.800)	9320 (6150)	1540 (1020)	45.10 (29.80)	14.300 (9.430)
25	93 (39)	412 (163)	479 (192)	13900 (7110)	2310 (1180)	62.80 (32.10)	25.300 (12.900)	9300 (4360)	1540 (722)	45.00 (21.10)	14.300 (6.690)
26	110 (67)	402 (161)	488 (224)	12500 (5970)	2060 (989)	56.20 (26.90)	22.300 (10.700)	10200 (8230)	1690 (1360)	49.60 (39.80)	15.700 (12.700)
27	110 (55)	446 (159)	568 (262)	13600 (6330)	2240 (1050)	61.10 (28.50)	23.900 (11.100)	10000 (5620)	1660 (930)	48.40 (27.20)	15.400 (8.650)
28	124 (579)	1040 (434)	649 (273)	13100 (6780)	2160 (1120)	58.90 (30.60)	22.700 (11.800)	5220 (2630)	864 (435)	25.30 (12.70)	8.050 (4.050)
29	21 (13)	1050 (396)	744 (585)	9470 (5080)	1570 (842)	42.70 (22.90)	16.200 (8.650)	5010 (4540)	830 (752)	24.30 (22.00)	7.750 (7.030)
30											
Avg	65	751	645	7780	1290	45.70	18.000	4850	802	23.40	7.490
n	21	21	20	18	18	13	13	20	20	20	20
SD	43.1	335.0	114.0	4500.0	744.0	12.10	4.860	2790.0	462.0	13.50	4.260
Min	14	156	459	494	82	28.40	11.300	1740	288	8.39	2.730
Max	156	1270	909	13900	2310	62.80	25.300	10200	1690	49.60	15.700

Table F4. Daily means (SD) of PM10 at site IN2H for May, 2009.

Day	Concentration, µg·dsm^{-3}			House 6 emission				House 7 emission			
	Inlet	House 6	House 7	g·d^{-1}	mg·d^{-1}m^{-2}	mg·d^{-1}hd^{-1}	g·d^{-1}AU^{-1}	g·d^{-1}	mg·d^{-1}m^{-2}	mg·d^{-1}hd^{-1}	g·d^{-1}AU^{-1}
1	65 (41)	1060 (416)	759 (353)	12300 (5860)	2040 (970)	55.50 (26.40)	20.400 (9.710)	5750 (3000)	952 (497)	27.90 (14.60)	8.930 (4.660)
2											
3											
4											
5											
6	139 (381)	1110 (394)	831 (353)	13500 (9550)	2240 (1580)	61.00 (43.10)	22.400 (15.800)	5830 (4920)	966 (815)	28.30 (23.90)	9.040 (7.630)
7	145 (214)	869 (271)	738 (345)	14000 (9130)	2320 (1510)	63.00 (41.20)	23.100 (15.100)	6280 (4680)	1040 (775)	30.50 (22.70)	9.730 (7.250)
8	218 (141)	866 (315)	758 (259)	14100 (6950)	2340 (1150)	63.70 (31.30)	23.400 (11.500)	6330 (3190)	1050 (528)	30.80 (15.50)	9.800 (4.930)
9	53 (55)	1130 (473)	780 (345)	13200 (6620)	2190 (1100)	59.70 (29.90)	21.800 (10.900)	4810 (2740)	797 (453)	23.40 (13.30)	7.440 (4.230)
10	84 (60)	992 (417)	698 (268)	9600 (5300)	1590 (878)	43.30 (23.90)	15.700 (8.660)	4180 (2620)	692 (434)	20.30 (12.70)	6.440 (4.040)
11	89 (45)	872 (407)	705 (270)	7070 (4300)	1170 (711)	31.90 (19.40)	11.400 (6.960)	3740 (2280)	619 (378)	18.20 (11.10)	5.750 (3.510)
12	56 (40)	550 (315)	594 (233)	5370 (3050)	890 (504)	24.20 (13.70)	8.620 (4.890)	3910 (2650)	648 (439)	19.00 (12.90)	6.000 (4.060)
13	121 (181)	918 (479)	818 (313)	15000 (12400)	2490 (2050)	67.90 (55.90)	23.900 (19.700)	6050 (4030)	1000 (667)	29.50 (19.60)	9.260 (6.160)
14	131 (446)	669 (325)	897 (537)	11100 (15100)	1830 (2500)	49.90 (68.20)	17.400 (23.900)	7420 (9020)	1230 (1490)	36.10 (43.90)	11.300 (13.800)
15	62 (52)	778 (311)	824 (290)					6960 (4820)	1150 (798)	33.90 (23.50)	10.600 (7.340)
16	57 (54)	1130 (444)	757 (383)					5100 (2910)	844 (482)	24.80 (14.20)	7.780 (4.440)
17	54 (57)	1020 (523)	707 (306)					3100 (2270)	514 (376)	15.10 (11.10)	4.750 (3.480)
18	60 (78)	818 (551)	667 (303)					3940 (3050)	652 (504)	19.20 (14.80)	6.070 (4.700)
19	108 (68)	470 (330)	651 (253)					5530 (3910)	916 (647)	26.90 (19.00)	8.560 (6.050)
20	122 (141)	480 (337)	564 (280)	8280 (6130)	1370 (1020)	37.30 (27.70)	12.800 (9.450)	6650 (4970)	1100 (822)	32.40 (24.20)	10.300 (7.730)
21	134 (99)	540 (304)	746 (439)	12100 (7190)	2010 (1190)	54.70 (32.40)	18.700 (11.100)	10600 (7630)	1760 (1260)	51.90 (37.20)	16.600 (11.900)
22	169 (84)	484 (241)	695 (356)	11000 (5770)	1830 (956)	49.80 (26.00)	17.000 (8.870)	8990 (6730)	1490 (1110)	43.80 (32.80)	14.100 (10.600)
23	121 (71)	562 (371)	568 (247)	11300 (9710)	1860 (1610)	50.80 (43.80)	17.200 (14.900)	6930 (3450)	1150 (571)	33.80 (16.80)	10.900 (5.420)
24	155 (249)	457 (238)	520 (195)	10500 (10600)	1730 (1760)	47.20 (47.90)	16.000 (16.300)	7330 (6330)	1210 (1050)	35.80 (30.90)	11.500 (9.920)
25	61 (71)	437 (244)	653 (224)	7540 (3880)	1250 (643)	34.00 (17.50)	11.500 (5.930)	6260 (3100)	1040 (513)	30.50 (15.10)	9.780 (4.840)
26	103 (102)	517 (239)	568 (490)	13000 (9230)	2150 (1530)	58.60 (41.60)	19.800 (14.100)	8360 (19300)	1380 (3200)	40.80 (94.40)	13.000 (30.100)
27	89 (50)	437 (219)		14100 (8960)	2330 (1480)	63.40 (40.40)	21.400 (13.600)				
28	92 (54)	778 (384)		13600 (7790)	2260 (1290)	61.60 (35.10)	20.700 (11.800)				
29	89 (61)	454 (240)	604 (208)	7740 (4980)	1280 (824)	34.90 (22.50)	11.700 (7.540)	5240 (3210)	867 (532)	25.60 (15.70)	8.110 (4.970)
30	113 (66)	397 (251)	573 (221)	6120 (3410)	1010 (564)	27.60 (15.40)	9.260 (5.160)	5550 (3490)	920 (577)	27.10 (17.00)	8.590 (5.390)
31	113 (215)	410 (277)	550 (214)	5590 (4510)	925 (746)	25.20 (20.30)	8.460 (6.820)	4790 (3270)	793 (542)	23.40 (16.00)	7.400 (5.050)
Avg	104	711	689	10700	1780	48.40	16.900	5990	991	29.20	9.270
n	27	27	25	22	22	22	22	25	25	25	25
SD	40.1	250.0	101.0	3020.0	500.0	13.60	4.990	1700.0	282.0	8.31	2.690
Min	53	397	520	5370	890	24.20	8.460	3100	514	15.10	4.750
Max	218	1130	897	15000	2490	67.90	23.900	10600	1760	51.90	16.600

Table F5. PM2.5 concentrations and emission.

Table F5. Daily means (SD) of PM2.5 at site IN2H for July, 2007.

Day	Concentration, µg·dsm^{-3}			House 6 emission				House 7 emission			
	Inlet	House 6	House 7	g·d^{-1}	mg·d^{-1}m^{-2}	mg·d^{-1}hd^{-1}	g·d^{-1}AU^{-1}	g·d^{-1}	mg·d^{-1}m^{-2}	mg·d^{-1}hd^{-1}	g·d^{-1}AU^{-1}
1											
2											
3											
4		32 (28)									
5		24 (32)									
6		22 (16)									
7		26 (23)									
8		33 (15)									
9		33 (16)									
10		28 (16)									
11		16 (37)									
12											
13			197 (888)								
14			88 (47)								
15			99 (59)								
16											
17											
18											
19	17 (68)										
20	20 (43)										
21	20 (36)										
22	27 (48)										
23	26 (46)										
24	38 (49)										
25	52 (52)										
26	62 (42)										
27											
28											
29											
30											
31											
Avg	33	27	128								
n	8	8	3	0	0	0	0	0	0	0	0
SD	15.4	5.7	48.8								
Min	17	16	88								
Max	62	33	197								

Table F5. Daily means (SD) of PM2.5 at site IN2H for September, 2007.

Day	Concentration, µg·dsm^{-3}			House 6 emission				House 7 emission			
	Inlet	House 6	House 7	g·d^{-1}	mg·d^{-1}m^{-2}	mg·d^{-1}hd^{-1}	g·d^{-1}AU^{-1}	g·d^{-1}	mg·d^{-1}m^{-2}	mg·d^{-1}hd^{-1}	g·d^{-1}AU^{-1}
1											
2											
3											
4											
5											
6											
7											
8											
9											
10											
11											
12											
13											
14	2 (32)	37 (82)	22 (22)								
15	2 (46)	37 (84)	17 (26)								
16	5 (58)	32 (82)	16 (22)								
17	18 (33)	42 (55)	24 (28)								
18	27 (24)	46 (53)	33 (20)								
19											
20											
21											
22											
23											
24											
25											
26											
27											
28											
29											
30											
Avg	11	39	22								
n	5	5	5	0	0	0	0	0	0	0	0
SD	10.0	4.7	6.0								
Min	2	32	16								
Max	27	46	33								

Table F5. Daily means (SD) of PM2.5 at site IN2H for November, 2007.

Day	Concentration, µg·dsm^{-3}			House 6 emission				House 7 emission			
	Inlet	House 6	House 7	g·d^{-1}	mg·d^{-1}m^{-2}	mg·d^{-1}hd^{-1}	g·d^{-1}AU^{-1}	g·d^{-1}	mg·d^{-1}m^{-2}	mg·d^{-1}hd^{-1}	g·d^{-1}AU^{-1}
1											
2											
3											
4											
5											
6											
7											
8											
9	13 (68)	31 (10)	33 (16)	113 (378)	19 (63)	0.49 (1.65)	0.171 (0.570)	87 (367)	14 (61)	0.38 (1.59)	0.131 (0.550)
10	14 (95)	33 (12)	38 (16)	85 (554)	14 (92)	0.37 (2.41)	0.129 (0.838)	86 (547)	14 (91)	0.37 (2.37)	0.129 (0.824)
11	29 (98)	34 (11)	41 (18)	45 (626)	7 (104)	0.20 (2.73)	0.068 (0.947)	56 (555)	9 (92)	0.24 (2.41)	0.084 (0.835)
12	22 (82)	35 (15)	42 (18)	86 (667)	14 (110)	0.38 (2.91)	0.130 (1.010)	37 (632)	6 (105)	0.16 (2.74)	0.056 (0.951)
13	30 (66)	39 (17)	47 (28)	56 (387)	9 (64)	0.24 (1.69)	0.084 (0.585)	107 (400)	18 (66)	0.47 (1.74)	0.161 (0.602)
14	-5 (62)	25 (23)	30 (38)	206 (429)	34 (71)	0.90 (1.87)	0.311 (0.648)	230 (458)	38 (76)	1.00 (1.99)	0.346 (0.689)
15											
16	11 (3)	37 (15)	40 (13)	127 (93)	21 (15)	0.55 (0.41)	0.192 (0.141)	127 (74)	21 (12)	0.55 (0.32)	0.190 (0.112)
17	15 (4)	37 (13)	39 (14)	112 (82)	19 (14)	0.49 (0.36)	0.169 (0.123)	116 (76)	19 (13)	0.50 (0.33)	0.174 (0.114)
18	12 (4)	36 (13)	32 (11)	126 (90)	21 (15)	0.55 (0.39)	0.191 (0.135)	95 (67)	16 (11)	0.41 (0.29)	0.142 (0.101)
19	25 (10)	41 (16)	42 (17)	102 (89)	17 (15)	0.44 (0.39)	0.153 (0.134)	103 (100)	17 (17)	0.45 (0.44)	0.154 (0.150)
20											
21											
22											
23											
24											
25											
26											
27											
28											
29											
30											
Avg	17	35	38	106	17.5	0.46	0.160	104	17.3	0.45	0.157
n	10	10	10	10	10	10	10	10	10	10	10
SD	9.7	4.3	5.1	42.5	7.0	0.19	0.064	49.1	8.1	0.21	0.074
Min	-5	25	30	45	7.4	0.20	0.068	37	6.1	0.16	0.056
Max	30	41	47	206	34.1	0.90	0.311	230	38.1	1.00	0.346

Table F5. Daily means (SD) of PM2.5 at site IN2H for April, 2008.

Day	Concentration, µg·dsm^{-3}			House 6 emission				House 7 emission			
	Inlet	House 6	House 7	g·d^{-1}	mg·d^{-1}m^{-2}	mg·d^{-1}hd^{-1}	g·d^{-1}AU^{-1}	g·d^{-1}	mg·d^{-1}m^{-2}	mg·d^{-1}hd^{-1}	g·d^{-1}AU^{-1}
1											
2											
3											
4											
5											
6											
7											
8											
9											
10											
11											
12		42 (32)	-1 (111)								
13		52 (19)	8 (116)								
14		52 (25)	25 (116)								
15		47 (26)	24 (158)								
16		38 (18)	13 (159)								
17		44 (22)	50 (145)								
18											
19											
20											
21											
22											
23											
24											
25											
26											
27											
28											
29											
30											
Avg		46	20								
n	0	6	6	0	0	0	0	0	0	0	0
SD		5.1	16.1								
Min		38	-1								
Max		52	50								

Table F5. Daily means (SD) of PM2.5 at site IN2H for February, 2009.

Day	Concentration, µg·dsm^{-3}			House 6 emission				House 7 emission			
	Inlet	House 6	House 7	g·d^{-1}	mg·d^{-1}m^{-2}	mg·d^{-1}hd^{-1}	g·d^{-1}AU^{-1}	g·d^{-1}	mg·d^{-1}m^{-2}	mg·d^{-1}hd^{-1}	g·d^{-1}AU^{-1}
1											
2											
3											
4											
5											
6											
7											
8											
9											
10											
11											
12											
13											
14	10 (12)										
15	12 (15)										
16	6 (15)										
17	12 (16)										
18	11 (17)										
19	1 (9)										
20	7 (7)										
21	11 (9)										
22	10 (7)										
23	15 (12)										
24	14 (8)										
25	32 (276)										
26	24 (15)										
27	7 (3)	80 (295)		364 (1810)	60 (299)	1.78 (8.82)	0.597 (2.960)				
28	7 (2)	50 (39)		167 (163)	28 (27)	0.82 (0.80)	0.273 (0.266)				
Avg	12	65		266	44.0	1.30	0.435				
n	15	2	0	2	2	2	2	0	0	0	0
SD	7.2	15.4		98.6	16.3	0.48	0.162				
Min	1	50		167	27.7	0.82	0.273				
Max	32	80		364	60.3	1.78	0.597				

Table F5. Daily means (SD) of PM2.5 at site IN2H for March, 2009.

Day	Concentration, µg·dsm^{-3}			House 6 emission				House 7 emission			
	Inlet	House 6	House 7	g·d^{-1}	mg·d^{-1}m^{-2}	mg·d^{-1}hd^{-1}	g·d^{-1}AU^{-1}	g·d^{-1}	mg·d^{-1}m^{-2}	mg·d^{-1}hd^{-1}	g·d^{-1}AU^{-1}
1	7 (3)	55 (31)		165 (134)	27 (22)	0.81 (0.65)	0.268 (0.217)				
2	5 (3)	65 (114)		207 (428)	34 (71)	1.01 (2.09)	0.334 (0.690)				
3	7 (4)	59 (41)		199 (182)	33 (30)	0.97 (0.89)	0.319 (0.291)				
4	27 (32)	353 (619)		1260 (2440)	209 (404)	6.17 (11.90)	2.010 (3.870)				
5	119 (86)	687 (337)									
6											
7											
8											
9											
10											
11											
12											
13											
14											
15											
16											
17											
18											
19											
20											
21											
22											
23											
24											
25											
26											
27											
28											
29											
30											
31											
Avg	33	244		459	76.0	2.24	0.732				
n	5	5	0	4	4	4	4	0	0	0	0
SD	44.0	249.0		465.0	77.0	2.27	0.737				
Min	5	55		165	27.4	0.81	0.268				
Max	119	687		1260	209.0	6.17	2.010				

Table F6. TSP concentrations and emission.

Table F6. Daily means (SD) of TSP at site IN2H for January, 2008.

Day	Concentration, µg·dsm^{-3}			House 6 emission				House 7 emission			
	Inlet	House 6	House 7	g·d^{-1}	mg·d^{-1}m^{-2}	mg·d^{-1}hd^{-1}	g·d^{-1}AU^{-1}	g·d^{-1}	mg·d^{-1}m^{-2}	mg·d^{-1}hd^{-1}	g·d^{-1}AU^{-1}
1											
2											
3											
4											
5											
6											
7											
8											
9											
10											
11											
12											
13											
14											
15											
16											
17											
18											
19											
20											
21											
22											
23											
24											
25											
26											
27											
28											
29											
30											
31	30 (60)										
Avg											
n	1	0	0	0	0	0	0	0	0	0	0
SD											
Min											
Max											

Table F6. Daily means (SD) of TSP at site IN2H for February, 2008.

Day	Concentration, µg·dsm^{-3}			House 6 emission				House 7 emission			
	Inlet	House 6	House 7	g·d^{-1}	mg·d^{-1}m^{-2}	mg·d^{-1}hd^{-1}	g·d^{-1}AU^{-1}	g·d^{-1}	mg·d^{-1}m^{-2}	mg·d^{-1}hd^{-1}	g·d^{-1}AU^{-1}
1		2080 (902)	386 (174)	8610 (5580)	1430 (924)	38.00 (24.60)	13.600 (8.800)	1500 (950)	248 (157)	6.56 (4.17)	2.330 (1.480)
2	133 (93)	1730 (888)	356 (159)	6910 (4670)	1140 (774)	30.50 (20.60)	10.900 (7.360)	959 (745)	159 (123)	4.20 (3.27)	1.490 (1.160)
3	87 (76)	1590 (752)	345 (154)	7030 (5310)	1160 (878)	31.00 (23.40)	11.100 (8.360)	1160 (823)	193 (136)	5.10 (3.61)	1.810 (1.280)
4		1250 (857)	299 (162)	5110 (4870)	846 (807)	22.50 (21.50)	8.050 (7.680)	647 (1430)	107 (236)	2.84 (6.25)	1.010 (2.220)
5		1070 (637)	303 (188)	4540 (3710)	752 (614)	20.00 (16.40)	7.160 (5.850)	858 (1680)	142 (277)	3.77 (7.35)	1.340 (2.610)
6		1260 (846)	275 (128)	5490 (4240)	908 (701)	24.20 (18.70)	8.650 (6.680)				
7	96 (67)	1230 (582)	469 (205)	5120 (3580)	847 (593)	22.60 (15.80)	8.070 (5.650)				
8											
9											
10											
11											
12											
13											
14											
15											
16											
17											
18											
19											
20											
21											
22											
23											
24											
25											
26											
27											
28											
29											
Avg	105	1460	348	6110	1010.0	27.00	9.640	1030	170.0	4.50	1.590
n	3	7	7	7	7	7	7	5	5	5	5
SD	20.1	331.0	60.8	1340.0	222.0	5.91	2.110	289.0	47.8	1.27	0.449
Min	87	1070	275	4540	752.0	20.00	7.160	647	107.0	2.84	1.010
Max	133	2080	469	8610	1430.0	38.00	13.600	1500	248.0	6.56	2.330

Table F6. Daily means (SD) of TSP at site IN2H for April, 2008.

Day	Concentration, µg·dsm^{-3}			House 6 emission				House 7 emission			
	Inlet	House 6	House 7	g·d^{-1}	mg·d^{-1}m^{-2}	mg·d^{-1}hd^{-1}	g·d^{-1}AU^{-1}	g·d^{-1}	mg·d^{-1}m^{-2}	mg·d^{-1}hd^{-1}	g·d^{-1}AU^{-1}
1											
2											
3											
4											
5		1650 (851)	1590 (1140)								
6		1080 (910)	1170 (666)								
7		965 (798)	826 (407)								
8		1080 (985)	1810 (3340)								
9		1310 (1140)	1490 (2110)								
10		1580 (1130)	1010 (459)								
11											
12											
13											
14											
15											
16											
17											
18											
19											
20											
21											
22											
23											
24											
25											
26											
27											
28											
29											
30											
Avg		1280	1320								
n	0	6	6	0	0	0	0	0	0	0	0
SD		260.0	342.0								
Min		965	826								
Max		1650	1810								

Table F6. Daily means (SD) of TSP at site IN2H for June, 2008.

Day	Concentration, µg·dsm^{-3}			House 6 emission				House 7 emission			
	Inlet	House 6	House 7	g·d^{-1}	mg·d^{-1}m^{-2}	mg·d^{-1}hd^{-1}	g·d^{-1}AU^{-1}	g·d^{-1}	mg·d^{-1}m^{-2}	mg·d^{-1}hd^{-1}	g·d^{-1}AU^{-1}
1											
2											
3											
4											
5											
6											
7											
8											
9											
10											
11											
12											
13											
14											
15											
16											
17											
18											
19											
20		727 (424)									
21		1200 (518)									
22		1140 (606)									
23		1120 (423)									
24		1330 (823)									
25		1030 (539)									
26		824 (636)									
27											
28											
29											
30											
Avg		1050									
n	0	7	0	0	0	0	0	0	0	0	0
SD		196.0									
Min		727									
Max		1330									

Table F6. Daily means (SD) of TSP at site IN2H for December, 2008.

Day	Concentration, µg·dsm^{-3}			House 6 emission				House 7 emission			
	Inlet	House 6	House 7	g·d^{-1}	mg·d^{-1}m^{-2}	mg·d^{-1}hd^{-1}	g·d^{-1}AU^{-1}	g·d^{-1}	mg·d^{-1}m^{-2}	mg·d^{-1}hd^{-1}	g·d^{-1}AU^{-1}
1											
2											
3											
4											
5											
6											
7											
8											
9											
10											
11											
12											
13	82 (48)		3290 (1250)					13200 (9360)	2180 (1550)	61.40 (43.60)	20.200 (14.300)
14	106 (50)		2640 (1040)					12400 (7480)	2050 (1240)	57.80 (34.90)	19.000 (11.500)
15	2 (94)		2450 (1390)					8500 (7640)	1410 (1270)	39.60 (35.60)	13.000 (11.700)
16											
17	25 (20)		1240 (560)					5020 (3820)	831 (632)	23.40 (17.80)	7.690 (5.860)
18											
19											
20											
21											
22											
23											
24											
25											
26											
27											
28											
29											
30											
31											
Avg	54		2400					9770	1620.0	45.50	15.000
n	4	0	4	0	0	0	0	4	4	4	4
SD	41.9		740.0					3270.0	542.0	15.20	5.010
Min	2		1240					5020	831.0	23.40	7.690
Max	106		3290					13200	2180.0	61.40	20.200

Table F6. Daily means (SD) of TSP at site IN2H for February, 2009.

Day	Concentration, µg·dsm^{-3}			House 6 emission				House 7 emission			
	Inlet	House 6	House 7	g·d^{-1}	mg·d^{-1}m^{-2}	mg·d^{-1}hd^{-1}	g·d^{-1}AU^{-1}	g·d^{-1}	mg·d^{-1}m^{-2}	mg·d^{-1}hd^{-1}	g·d^{-1}AU^{-1}
1											
2											
3											
4											
5											
6											
7	72 (39)	1560 (759)		8700 (5380)	1440 (891)	42.20 (26.10)	14.300 (8.850)	4970 (5870)	823 (973)	23.50 (27.80)	7.730 (9.140)
8	117 (82)	1440 (852)		5330 (3520)	882 (583)	25.80 (17.10)	8.730 (5.770)	3000 (5120)	497 (848)	14.20 (24.30)	4.670 (7.970)
9	60 (21)	1280 (721)		5480 (4180)	907 (693)	26.60 (20.30)	8.950 (6.830)	1250 (1920)	207 (318)	5.91 (9.09)	1.940 (2.980)
10	224 (133)	962 (644)		5230 (4280)	866 (709)	25.40 (20.80)	8.510 (6.970)	2310 (4490)	383 (743)	11.00 (21.30)	3.600 (6.980)
11	67 (77)	855 (721)		5850 (6200)	969 (1030)	28.40 (30.10)	9.490 (10.000)				
12	16 (18)	1150 (681)		4730 (3580)	783 (592)	22.90 (17.40)	7.640 (5.780)				
13											
14											
15											
16											
17											
18											
19											
20											
21											
22											
23											
24											
25											
26											
27											
28											
Avg	93	1210		5890	975.0	28.50	9.600	2880	477.0	13.70	4.480
n	6	6	0	6	6	6	6	4	4	4	4
SD	65.6	249.0		1300.0	216.0	6.31	2.180	1360.0	225.0	6.42	2.110
Min	16	855		4730	783.0	22.90	7.640	1250	207.0	5.91	1.940
Max	224	1560		8700	1440.0	42.20	14.300	4970	823.0	23.50	7.730

Table F6. Daily means (SD) of TSP at site IN2H for April, 2009.

Day	Concentration, µg·dsm^{-3}			House 6 emission				House 7 emission			
	Inlet	House 6	House 7	g·d^{-1}	mg·d^{-1}m^{-2}	mg·d^{-1}hd^{-1}	g·d^{-1}AU^{-1}	g·d^{-1}	mg·d^{-1}m^{-2}	mg·d^{-1}hd^{-1}	g·d^{-1}AU^{-1}
1											
2											
3											
4											
5											
6											
7											
8											
9											
10	51 (21)	1720 (886)	1890 (906)	9010 (7050)	1490 (1170)			7190 (4460)	1190 (739)	34.70 (21.50)	11.100 (6.870)
11	103 (68)	1740 (743)	1590 (818)	7270 (4210)	1200 (697)			6330 (4830)	1050 (800)	30.50 (23.30)	9.730 (7.430)
12	47 (24)	1670 (817)	1410 (948)	8150 (4740)	1350 (785)			6490 (5760)	1070 (954)	31.30 (27.80)	9.980 (8.870)
13	25 (13)	2090 (1380)	1110 (821)	11600 (9880)	1920 (1640)			4160 (3560)	689 (589)	20.10 (17.20)	6.410 (5.490)
14	79 (63)	2360 (1530)	996 (701)	14800 (12900)	2460 (2130)	67.00 (57.90)	25.000 (21.600)	3340 (2770)	553 (459)	16.10 (13.40)	5.150 (4.280)
15	115 (87)	1580 (946)	1340 (1080)	11800 (9940)	1950 (1650)	53.10 (44.80)	20.000 (16.900)	5900 (5980)	977 (991)	28.50 (28.90)	9.110 (9.240)
16											
17											
18											
19											
20											
21											
22											
23											
24											
25											
26											
27											
28											
29											
30											
Avg	70	1860	1390	10400	1730.0	60.10	22.500	5570	922.0	26.90	8.580
n	6	6	6	6	6	2	2	6	6	6	6
SD	32.0	274.0	298.0	2580.0	428.0	6.97	2.520	1360.0	225.0	6.56	2.090
Min	25	1580	996	7270	1200.0	53.10	20.000	3340	553.0	16.10	5.150
Max	115	2360	1890	14800	2460.0	67.00	25.000	7190	1190.0	34.70	11.100

Table F7. Hydrogen sulfide concentrations.

Table F7. Daily means (SD) of H2S concentrations at site IN2B for June, 2007.

Day	Inlets		House 6		House 7	
	B6, ppb	B7, ppb	ppb	µg·dsm^{-3}	ppb	µg·dsm^{-3}
1	34 (7)	31 (4)	38 (5)	54 (7)	37 (4)	52 (6)
2	28 (2)	22 (5)	33 (3)	48 (4)	32 (3)	45 (5)
3	29 (1)	25 (1)	34 (3)	49 (4)	34 (3)	48 (4)
4	24 (3)	22 (3)	39 (4)	56 (6)	37 (4)	53 (6)
5	24 (1)	19 (4)	41 (5)	59 (7)	35 (2)	50 (3)
6	20 (4)	23 (3)	40 (8)	57 (11)	34 (3)	49 (4)
7	28 (2)	24 (3)	37 (3)	53 (4)	34 (3)	49 (4)
8	36 (7)	32 (7)	41 (8)	58 (11)	39 (7)	55 (10)
9	20 (2)	21 (3)	31 (4)	44 (6)	32 (4)	46 (6)
10	15 (3)	14 (3)	21 (4)	30 (6)	22 (5)	32 (8)
11	21 (2)	24 (2)	29 (3)	41 (4)	30 (4)	43 (6)
12	24 (4)	25 (3)	29 (3)	42 (4)	30 (3)	42 (5)
13						
14			27 (4)	38 (5)	-11 (94)	
15			26 (4)	37 (5)	-5 (84)	
16			24 (2)	35 (3)	-6 (84)	
17			29 (4)	42 (5)	-2 (83)	
18			29 (3)	41 (5)	-1 (83)	
19			28 (7)	40 (9)	-4 (84)	
20			23 (5)	33 (8)	-10 (84)	
21			25 (2)	36 (3)	-9 (85)	
22			24 (2)	35 (3)	-9 (84)	
23			30 (3)	43 (4)	-36 (334)	
24						
25						
26		57 (4)	12 (179)		45 (6)	64 (8)
27			22 (85)	50 (80)	39 (4)	56 (5)
28			33 (53)	47 (77)	35 (5)	51 (8)
29			34 (5)	49 (8)	27 (3)	38 (4)
30			32 (5)	46 (7)	25 (2)	36 (3)
Avg	25	26	30	45	18	48
n	12	13	27	26	27	17
SD	6	10	7	8	22	8
Min	15	14	12	30	-36	32
Max	36	57	41	59	45	64

Table F7. Daily means (SD) of H2S concentrations at site IN2B for July, 2007.

Day	Inlets		House 6		House 7	
	B6, ppb	B7, ppb	ppb	µg·dsm^{-3}	ppb	µg·dsm^{-3}
1			22 (4)	32 (5)	16 (2)	23 (3)
2			23 (5)	33 (7)	17 (3)	24 (4)
3			21 (2)	30 (4)	15 (2)	22 (3)
4			27 (5)	39 (7)	21 (4)	30 (6)
5			32 (6)	46 (9)	22 (5)	31 (7)
6			25 (5)	36 (7)	19 (3)	27 (4)
7			23 (4)	33 (6)	17 (3)	25 (5)
8			26 (2)	37 (3)	20 (2)	28 (2)
9	17 (2)	18 (3)	27 (3)	39 (4)	20 (1)	29 (2)
10	17 (3)	17 (2)	29 (2)	41 (3)	20 (2)	29 (4)
11	14 (1)	15 (3)	27 (5)	38 (7)	20 (3)	28 (5)
12	15 (4)	13 (4)	28 (7)	40 (10)	19 (4)	27 (6)
13	16 (3)	14 (3)	28 (5)	39 (7)	19 (4)	28 (5)
14	14 (3)	15 (3)	27 (6)	39 (9)	19 (4)	27 (6)
15	16 (2)	14 (5)	27 (5)	39 (7)	19 (2)	27 (4)
16	14 (2)	17 (1)				
17	23 (3)	19 (3)				
18	21 (4)	17 (1)	35 (5)	50 (8)	25 (3)	35 (4)
19	21 (5)	19 (5)	38 (4)	54 (6)	27 (3)	38 (5)
20	12 (2)	13 (2)	33 (8)	47 (12)	23 (5)	33 (7)
21	15 (2)	15 (2)	28 (7)	39 (11)	23 (4)	32 (6)
22	15 (3)	11 (2)	27 (7)	38 (10)	21 (6)	29 (8)
23	11 (4)	14 (1)	26 (6)	37 (8)	19 (4)	27 (5)
24	15 (2)	16 (1)	24 (7)	34 (9)	19 (4)	28 (6)
25	16 (2)	11 (5)				
26	23 (6)	22 (5)	34 (4)	48 (6)	25 (3)	36 (4)
27			38 (5)	55 (7)		
28			29 (3)	42 (5)	27 (2)	39 (3)
29			27 (6)	39 (8)	25 (4)	36 (6)
30						
31						
Avg	16	16	28	40	21	30
n	18	18	26	26	25	25
SD	3	3	4	6	3	5
Min	11	11	21	30	15	22
Max	23	22	38	55	27	39

Table F7. Daily means (SD) of H2S concentrations at site IN2B for August, 2007.

Day	Inlets		House 6		House 7	
	B6, ppb	B7, ppb	ppb	µg·dsm^{-3}	ppb	µg·dsm^{-3}
1	20 (4)	20 (4)				
2	20 (6)	18 (3)	23 (3)	32 (4)	21 (2)	30 (3)
3			26 (5)	37 (7)	26 (6)	38 (8)
4			21 (4)	29 (5)	17 (2)	24 (3)
5			40 (17)	58 (24)	37 (19)	53 (27)
6			45 (5)	65 (8)	44 (7)	64 (10)
7			39 (7)	57 (9)	38 (7)	56 (10)
8	29 (1)	29 (4)			34 (5)	49 (8)
9	29 (0)	26 (2)			29 (6)	41 (9)
10	19 (3)	20 (3)	23 (3)	33 (4)	24 (3)	35 (4)
11	20 (5)	21 (2)	22 (2)	31 (2)	25 (2)	35 (3)
12	18 (4)	20 (2)	22 (2)	32 (2)	25 (1)	36 (2)
13			19 (2)	28 (2)	21 (3)	30 (4)
14			23 (1)	33 (2)	22 (3)	32 (4)
15			28 (4)	41 (6)	25 (2)	35 (3)
16			32 (3)	46 (4)	28 (3)	40 (4)
17			31 (8)	44 (12)	24 (4)	35 (6)
18	14 (1)	16 (2)	30 (7)	42 (10)	23 (5)	33 (7)
19	12 (5)	17 (4)	30 (2)	43 (3)	26 (2)	37 (2)
20	22 (1)	19 (1)	37 (5)	53 (7)	33 (5)	48 (8)
21	26 (8)	23 (9)	42 (4)	60 (6)	44 (5)	64 (8)
22	42 (3)	39 (2)				
23	27 (5)	29 (4)	33 (7)	48 (10)	37 (8)	53 (11)
24	24 (4)	21 (4)	29 (7)	41 (10)	32 (6)	46 (8)
25	18 (5)	20 (4)	26 (3)	38 (5)	31 (6)	45 (9)
26	20 (2)	15 (2)	21 (3)	29 (4)	32 (9)	46 (13)
27	14 (2)	17 (5)	22 (2)	31 (3)	29 (6)	42 (9)
28	19 (2)	18 (3)	24 (2)	34 (3)	30 (3)	43 (4)
29	22 (3)	21 (3)	23 (2)	34 (2)	29 (2)	42 (3)
30	19 (1)	18 (1)	22 (2)	32 (3)	29 (4)	42 (6)
31	14 (2)	17 (2)	23 (5)	33 (8)	27 (10)	38 (14)
Avg	21	21	28	40	29	42
n	21	21	27	27	29	29
SD	7	6	7	10	7	10
Min	12	15	19	28	17	24
Max	42	39	45	65	44	64

Table F7. Daily means (SD) of H2S concentrations at site IN2B for September, 2007.

Day	Inlets		House 6		House 7	
	B6, ppb	B7, ppb	ppb	µg·dsm^{-3}	ppb	µg·dsm^{-3}
1	15 (2)	15 (3)	24 (5)	34 (8)	21 (2)	30 (3)
2	13 (4)	17 (2)	24 (5)	34 (7)	22 (1)	31 (2)
3	13 (5)	19 (3)	23 (4)	33 (6)	24 (2)	34 (2)
4	15 (4)	10 (2)	21 (4)	30 (6)	26 (2)	37 (2)
5	18 (5)	18 (2)	22 (2)	31 (3)	26 (2)	37 (3)
6	15 (1)	17 (2)	21 (2)	31 (3)	25 (2)	36 (3)
7	17 (1)	20 (4)	25 (5)	36 (7)	28 (3)	40 (5)
8	20 (3)	20 (3)	34 (2)	49 (2)	31 (2)	45 (2)
9	18 (1)	17 (2)	31 (3)	45 (4)	33 (4)	47 (5)
10	16 (3)	13 (2)	30 (6)	43 (9)	27 (4)	39 (6)
11	18 (4)	13 (2)	33 (5)	47 (6)	27 (3)	38 (4)
12	15 (2)	14 (4)	36 (6)	51 (8)	42 (12)	59 (17)
13	12 (2)	18 (3)				
14	15 (3)	16 (4)	35 (6)	50 (9)	41 (8)	58 (11)
15	13 (3)	16 (5)	40 (3)	57 (4)	55 (8)	78 (11)
16	12 (2)	14 (5)	38 (6)	55 (8)	46 (10)	65 (15)
17	14 (3)	17 (3)	35 (8)	50 (12)	41 (17)	58 (24)
18	16 (3)	18 (3)			36 (13)	52 (18)
19	18 (2)	16 (2)				
20	12 (2)	13 (4)	33 (11)	47 (16)	36 (11)	51 (16)
21	15 (3)	15 (2)	32 (6)	47 (8)	39 (11)	56 (16)
22	17 (1)	17 (3)	34 (7)	49 (10)	30 (5)	43 (7)
23	15 (3)	12 (3)	34 (12)	48 (16)	33 (12)	47 (17)
24	16 (2)	14 (6)	32 (6)	45 (9)	33 (6)	47 (9)
25	16 (4)	13 (4)	33 (4)	47 (6)	34 (4)	49 (6)
26	13 (5)	19 (4)	42 (6)	60 (9)	46 (3)	66 (5)
27	15 (4)	21 (4)	42 (7)	59 (10)	52 (12)	75 (18)
28	20 (6)	13 (1)	46 (8)	66 (12)	51 (21)	73 (30)
29	16 (1)	14 (1)	40 (11)	57 (16)	39 (15)	55 (21)
30	17 (3)	16 (3)	40 (11)	57 (16)	36 (13)	52 (18)
Avg	16	16	33	47	35	50
n	30	30	27	27	28	28
SD	2	3	7	10	9	13
Min	12	10	21	30	21	30
Max	20	21	46	66	55	78

Table F7. Daily means (SD) of H2S concentrations at site IN2B for October, 2007.

Day	Inlets		House 6		House 7	
	B6, ppb	B7, ppb	ppb	µg·dsm^{-3}	ppb	µg·dsm^{-3}
1	18 (3)	12 (3)	38 (7)	55 (10)	34 (6)	49 (8)
2	13 (2)	14 (3)	40 (7)	57 (11)	38 (10)	54 (14)
3	16 (2)	20 (4)	35 (5)	50 (7)	33 (6)	47 (8)
4	19 (3)	16 (3)	39 (15)	55 (22)	37 (12)	53 (18)
5	17 (3)	19 (4)	35 (5)	50 (8)	35 (4)	51 (6)
6	21 (2)	23 (1)	32 (7)	46 (10)	34 (3)	49 (4)
7	16 (4)	24 (7)	29 (8)	42 (11)	31 (3)	45 (4)
8	16 (3)	22 (5)	28 (6)	40 (9)	29 (3)	42 (4)
9	22 (15)	16 (3)	24 (5)	34 (7)	37 (12)	53 (17)
10	15 (1)	11 (4)	35 (9)	49 (13)	56 (3)	80 (4)
11	15 (1)	14 (3)	56 (6)	80 (9)	77 (6)	109 (9)
12	15 (3)	17 (4)	72 (6)	103 (8)	87 (11)	124 (15)
13	15 (2)	21 (3)	64 (18)	91 (25)	71 (10)	102 (14)
14	13 (2)	13 (4)	53 (9)	76 (13)	61 (12)	87 (17)
15	10 (4)	16 (2)	49 (18)	70 (26)	55 (23)	79 (34)
16	14 (3)	17 (4)	44 (6)	63 (9)	47 (8)	68 (11)
17	17 (4)	16 (2)	53 (16)	75 (23)	57 (18)	81 (26)
18	17 (3)	17 (2)	42 (7)	60 (11)	44 (6)	63 (9)
19	19 (4)	14 (3)	59 (7)	84 (10)	71 (5)	102 (7)
20	19 (2)	13 (2)	51 (13)	73 (18)	59 (17)	85 (24)
21	17 (4)	21 (3)	41 (10)	58 (15)	44 (14)	63 (20)
22	14 (3)	13 (4)	50 (8)	72 (11)	53 (10)	75 (15)
23	16 (3)	18 (1)	70 (12)	100 (18)	79 (3)	113 (4)
24	21 (1)	15 (1)			78 (6)	111 (9)
25	19 (2)	18 (3)	64 (9)	92 (12)	67 (9)	95 (13)
26	15 (1)	15 (3)	59 (13)	84 (19)	61 (14)	87 (19)
27	13 (3)	16 (1)	73 (6)	104 (9)	74 (7)	106 (9)
28	16 (3)	16 (3)	67 (8)	95 (12)	74 (13)	106 (19)
29	17 (1)	14 (2)	63 (8)	90 (11)	68 (9)	97 (13)
30	22 (1)	18 (2)	67 (9)	95 (12)	69 (8)	99 (11)
31	15 (4)	16 (2)	67 (12)	96 (17)	68 (10)	97 (14)
Avg	16	17	50	71	56	80
n	31	31	30	30	31	31
SD	3	3	14	21	17	24
Min	10	11	24	34	29	42
Max	22	24	73	104	87	124

Table F7. Daily means (SD) of H2S concentrations at site IN2B for November, 2007.

Day	Inlets		House 6		House 7	
	B6, ppb	B7, ppb	ppb	µg·dsm^{-3}	ppb	µg·dsm^{-3}
1	14 (2)	13 (2)	71 (17)	102 (25)	82 (12)	117 (17)
2	14 (1)	18 (3)	68 (8)	97 (11)	68 (11)	97 (15)
3	12 (4)	18 (3)	69 (10)	98 (14)	69 (7)	98 (10)
4	14 (4)	19 (3)	67 (10)	96 (14)	72 (7)	102 (10)
5	18 (6)	19 (6)	69 (8)	99 (11)	72 (9)	103 (12)
6	17 (3)	9 (3)	72 (5)	103 (7)	72 (8)	102 (12)
7	23 (2)	13 (2)	68 (10)	97 (15)	81 (4)	115 (6)
8	27 (4)	18 (3)	70 (8)	101 (12)	72 (10)	103 (13)
9	18 (3)	13 (2)	76 (8)	109 (12)	85 (6)	121 (8)
10	21 (2)	14 (1)	68 (17)	97 (24)	75 (11)	108 (15)
11	30 (5)	17 (3)	71 (5)	101 (7)	74 (8)	106 (11)
12	24 (4)	20 (2)	73 (12)	105 (17)	74 (9)	107 (13)
13	22 (3)	19 (2)	82 (17)	118 (24)	87 (11)	125 (16)
14	22 (2)	17 (3)	76 (8)	108 (11)	84 (15)	120 (22)
15	14 (2)	13 (3)				
16	23 (2)	18 (2)	69 (13)	98 (18)	59 (6)	85 (8)
17	17 (5)	15 (3)	55 (4)	79 (6)	58 (5)	84 (7)
18	20 (3)	16 (4)	55 (6)	78 (9)	52 (4)	75 (5)
19	25 (4)	15 (4)	61 (4)	87 (6)	51 (4)	73 (5)
20	29 (5)	23 (5)	75 (9)	107 (13)	63 (9)	90 (13)
21	22 (6)	18 (4)	80 (6)	115 (8)	66 (7)	94 (10)
22	16 (3)	20 (9)	73 (9)	105 (13)	47 (5)	67 (8)
23	20 (3)	16 (2)	63 (12)	90 (17)	48 (7)	68 (11)
24	23 (4)	14 (1)	52 (15)	74 (21)	47 (7)	67 (9)
25	22 (3)	14 (1)	51 (11)	73 (16)	42 (3)	60 (4)
26	16 (2)	13 (1)	47 (6)	66 (9)	38 (5)	55 (7)
27	21 (5)	20 (5)	59 (21)	85 (31)	29 (6)	42 (9)
28	26 (1)	22 (5)	44 (15)	62 (22)	28 (6)	40 (9)
29	19 (3)	17 (3)	73 (20)	104 (29)	32 (6)	45 (9)
30	21 (6)		46 (23)	65 (34)	23 (5)	33 (7)
Avg	20	17	66	94	60	86
n	30	29	29	29	29	29
SD	5	3	10	15	18	26
Min	12	9	44	62	23	33
Max	30	23	82	118	87	125

Table F7. Daily means (SD) of H2S concentrations at site IN2B for January, 2008.

Day	Inlets		House 6		House 7	
	B6, ppb	B7, ppb	ppb	µg·dsm^{-3}	ppb	µg·dsm^{-3}
1						
2						
3						
4						
5						
6						
7						
8						
9						
10						
11	4 (1)	0 (5)				
12	5 (0)	1 (2)	-2 (1)	-2 (2)	-3 (1)	
13	4 (1)	-1 (1)	-2 (2)	-3 (2)	-3 (1)	
14	3 (2)	-2 (2)	-1 (2)	-1 (3)	-4 (1)	
15	2 (2)	-1 (1)	-1 (3)	-2 (4)	-4 (0)	
16	4 (2)	4 (2)	-4 (1)	-5 (1)	-4 (1)	
17			-2 (4)	-3 (4)	-1 (4)	
18						
19						
20						
21						
22						
23						
24						
25						
26						
27						
28						
29						
30						
31						
Avg	4	0	-2	-3	-3	
n	6	6	6	6	6	0
SD	1	2	1	1	1	
Min	2	-2	-4	-5	-4	
Max	5	4	-1	-1	-1	

Table F7. Daily means (SD) of H2S concentrations at site IN2B for May, 2008.

Day	Inlets		House 6		House 7	
	B6, ppb	B7, ppb	ppb	µg·dsm^{-3}	ppb	µg·dsm^{-3}
1	3 (2)	4 (2)			33 (3)	47 (4)
2	20 (8)	20 (10)	25 (12)	36 (17)	40 (6)	57 (8)
3	2 (4)	1 (3)	11 (5)	15 (8)	37 (4)	53 (6)
4	0 (1)	-2 (1)	7 (5)	11 (8)	28 (7)	40 (9)
5	0 (2)	0 (1)	5 (5)	7 (7)	23 (5)	33 (8)
6	3 (1)	3 (1)	7 (6)	10 (8)	22 (8)	31 (11)
7	1 (1)	9 (5)	17 (9)	24 (13)	33 (5)	48 (7)
8	1 (1)	4 (1)	14 (3)	20 (4)	31 (3)	44 (5)
9	2 (1)	2 (1)	13 (4)	18 (6)	28 (2)	40 (3)
10	1 (0)	4 (1)	9 (4)	12 (5)	25 (4)	36 (6)
11	2 (0)	2 (0)	15 (2)	22 (4)	32 (2)	45 (3)
12	1 (1)	6 (6)	13 (5)	18 (7)	29 (1)	42 (1)
13	3 (1)	55 (36)	11 (6)	16 (9)	27 (3)	38 (4)
14	1 (1)	4 (2)	24 (7)	35 (10)	29 (1)	42 (1)
15	0 (0)	0 (1)	14 (2)	20 (3)	28 (2)	40 (2)
16	0 (0)	0 (1)	15 (6)	21 (8)	24 (2)	35 (3)
17	1 (2)	2 (2)	13 (5)	19 (7)	25 (5)	35 (7)
18	0 (1)	1 (2)	17 (4)	24 (5)	28 (2)	40 (3)
19	0 (1)	1 (1)	15 (3)	21 (5)	27 (3)	39 (5)
20	1 (1)	1 (1)	17 (4)	24 (6)	26 (2)	37 (4)
21	2 (1)	1 (1)	15 (2)	22 (3)	26 (2)	37 (3)
22	0 (2)	0 (2)			25 (3)	36 (5)
23	2 (1)	1 (1)				
24	1 (1)	1 (1)	16 (3)	22 (4)	23 (4)	33 (5)
25	3 (2)	3 (0)	15 (8)	21 (11)	20 (6)	28 (9)
26	10 (3)	7 (3)				
27	4 (3)	3 (1)				
28	1 (1)	0 (0)	18 (2)	25 (3)	26 (6)	37 (8)
29	1 (1)	1 (1)	13 (5)	19 (7)	20 (7)	29 (9)
30	11 (9)	9 (8)	28 (11)	40 (15)	30 (7)	43 (10)
31	21 (17)	20 (12)	32 (14)	46 (20)	31 (7)	44 (10)
Avg	3	5	15	22	28	40
n	31	31	26	26	28	28
SD	5	10	6	9	5	7
Min	0	-2	5	7	20	28
Max	21	55	32	46	40	57

Table F7. Daily means (SD) of H2S concentrations at site IN2B for June, 2008.

Day	Inlets		House 6		House 7	
	B6, ppb	B7, ppb	ppb	µg·dsm^{-3}	ppb	µg·dsm^{-3}
1	3 (2)	3 (2)	19 (9)	28 (12)	22 (7)	32 (11)
2	5 (4)	5 (2)	18 (8)	26 (12)	20 (8)	29 (11)
3	26 (8)	25 (6)	40 (6)	57 (9)	38 (5)	54 (6)
4	58 (16)	49 (10)	52 (9)	74 (13)	42 (8)	61 (11)
5	60 (30)	51 (20)	47 (13)	68 (19)	42 (14)	60 (20)
6	17 (8)	9 (4)	20 (8)	28 (11)	17 (6)	24 (9)
7	53 (12)	37 (9)	45 (7)	64 (10)	47 (8)	67 (12)
8	40 (27)	31 (21)	32 (14)	46 (21)	32 (17)	47 (24)
9	6 (2)	5 (2)	10 (2)	15 (3)	8 (1)	12 (2)
10	2 (1)	0 (2)	10 (5)	15 (8)	7 (3)	9 (4)
11	2 (1)	2 (1)	9 (4)	13 (5)	8 (4)	11 (6)
12	9 (6)	7 (5)	20 (6)	29 (9)	18 (6)	26 (9)
13	13 (3)	15 (6)	27 (4)	39 (6)	27 (4)	39 (5)
14	3 (3)	1 (2)	12 (9)	17 (13)	11 (8)	15 (12)
15	0 (2)	1 (1)	9 (4)	13 (6)	7 (3)	10 (4)
16	1 (2)	-1 (1)	11 (4)	16 (6)	11 (4)	15 (6)
17	0 (1)	-1 (0)	11 (3)	16 (4)	16 (5)	22 (7)
18	2 (1)	-1 (0)	11 (4)	16 (6)	14 (4)	19 (6)
19	1 (1)	-1 (1)	10 (5)	14 (8)	12 (6)	18 (9)
20	3 (1)	1 (0)	8 (6)	11 (9)	9 (6)	13 (9)
21	4 (2)	3 (3)	12 (3)	18 (4)	13 (3)	18 (4)
22	1 (1)	2 (1)	14 (5)	20 (6)	15 (4)	21 (6)
23	2 (1)	1 (0)	15 (4)	21 (5)	13 (5)	18 (8)
24	3 (1)	2 (1)	15 (5)	22 (7)	13 (5)	19 (7)
25	11 (5)	12 (6)	21 (3)	29 (5)	20 (6)	28 (8)
26	15 (7)	11 (7)	22 (2)	31 (3)	20 (3)	29 (4)
27	19 (3)	18 (6)	21 (3)	31 (4)	23 (3)	33 (4)
28	13 (7)	12 (8)	15 (5)	21 (7)	14 (5)	20 (7)
29	1 (2)	0 (1)	16 (3)	23 (4)	13 (3)	18 (4)
30	-1 (1)	0 (1)	16 (4)	22 (6)	14 (6)	21 (8)
Avg	12	10	20	28	19	27
n	30	30	30	30	30	30
SD	17	14	12	17	11	16
Min	-1	-1	8	11	7	9
Max	60	51	52	74	47	67

Table F7. Daily means (SD) of H2S concentrations at site IN2B for July, 2008.

Day	Inlets		House 6		House 7	
	B6, ppb	B7, ppb	ppb	µg·dsm^{-3}	ppb	µg·dsm^{-3}
1	1 (1)	0 (1)	11 (5)	16 (7)	12 (8)	17 (11)
2	7 (7)	3 (2)	12 (4)	17 (5)	10 (4)	15 (6)
3	2 (3)	2 (1)	16 (2)	23 (3)	13 (3)	18 (4)
4	1 (0)	0 (1)	13 (5)	18 (7)	10 (4)	14 (6)
5	-1 (1)	1 (0)	10 (4)	15 (5)	8 (3)	11 (4)
6	0 (1)	2 (1)	9 (3)	12 (5)	8 (3)	11 (4)
7	2 (1)	2 (1)				
8	3 (2)	2 (1)	10 (3)	14 (5)	10 (3)	15 (4)
9	3 (4)	2 (3)	11 (6)	16 (8)	10 (4)	14 (6)
10	3 (1)	2 (0)	8 (3)	11 (4)	8 (4)	12 (5)
11	5 (2)	4 (2)	12 (2)	17 (3)	11 (2)	16 (2)
12	5 (5)	4 (3)	10 (4)	14 (5)	10 (3)	14 (5)
13	2 (4)	1 (3)	8 (3)	11 (5)	5 (3)	7 (4)
14	0 (1)	-1 (1)	8 (3)	11 (5)	6 (2)	8 (3)
15	2 (1)	1 (1)	7 (4)	10 (5)	7 (3)	10 (4)
16	2 (2)	1 (1)	5 (2)	7 (3)	7 (2)	10 (4)
17	4 (3)	3 (3)	7 (3)	11 (5)	7 (3)	10 (5)
18	7 (3)	7 (2)	9 (2)	13 (2)	9 (2)	13 (3)
19	14 (3)	13 (4)	13 (2)	19 (3)	13 (2)	18 (3)
20	11 (2)	13 (3)	13 (2)	19 (3)	12 (1)	17 (1)
21	11 (4)	14 (2)	13 (3)	18 (4)	11 (1)	16 (2)
22	4 (3)	4 (4)	10 (3)	14 (4)	9 (2)	13 (3)
23	1 (1)	2 (1)	11 (2)	16 (3)		
24	2 (1)	0 (1)	9 (3)	13 (4)	8 (4)	12 (5)
25	5 (2)	3 (2)	12 (8)	18 (11)	9 (3)	13 (5)
26	7 (1)	6 (3)	10 (3)	14 (4)	8 (2)	12 (3)
27	2 (1)	1 (1)	9 (4)	12 (5)	8 (3)	11 (5)
28	4 (0)	4 (1)	9 (2)	13 (3)	8 (2)	12 (2)
29	5 (1)	4 (2)	15 (7)	21 (10)	8 (2)	12 (3)
30	1 (1)	3 (3)	10 (6)	15 (9)	6 (1)	9 (2)
31	4 (3)	7 (2)	9 (3)	13 (4)	7 (1)	10 (2)
Avg	4	4	10	15	9	13
n	31	31	30	30	29	29
SD	3	4	2	3	2	3
Min	-1	-1	5	7	5	7
Max	14	14	16	23	13	18

Table F7. Daily means (SD) of H2S concentrations at site IN2B for August, 2008.

Day	Inlets		House 6		House 7	
	B6, ppb	B7, ppb	ppb	µg·dsm^{-3}	ppb	µg·dsm^{-3}
1	6 (2)	6 (1)	9 (2)	13 (3)	7 (1)	10 (1)
2	3 (2)	2 (2)	5 (2)	8 (2)	4 (2)	6 (3)
3	1 (1)	2 (1)	5 (2)	7 (2)	4 (1)	6 (2)
4	3 (2)	4 (3)	6 (2)	8 (2)	4 (1)	6 (2)
5	3 (1)	4 (2)	6 (1)	8 (2)	5 (1)	7 (1)
6	2 (1)	2 (1)	6 (1)	8 (2)	4 (1)	6 (2)
7	1 (1)	2 (0)	9 (2)	12 (3)	4 (2)	5 (3)
8	1 (1)	0 (2)				
9	1 (1)	2 (1)	17 (5)	24 (7)	8 (4)	12 (6)
10	0 (1)	2 (1)	20 (4)	28 (6)	8 (3)	11 (4)
11	1 (2)	3 (1)	18 (5)	26 (7)	8 (4)	11 (6)
12	2 (1)	8 (5)	17 (8)	25 (12)	7 (4)	10 (5)
13	0 (0)	2 (0)				
14	2 (1)	2 (0)				
15	1 (2)	0 (1)	24 (8)	34 (12)	7 (4)	9 (6)
16	0 (1)	2 (1)	20 (7)	28 (9)	7 (6)	10 (9)
17	0 (1)	3 (2)	19 (7)	27 (10)	7 (5)	10 (7)
18	3 (3)	4 (2)	17 (6)	25 (9)	8 (3)	11 (4)
19	2 (1)	4 (2)	18 (7)	25 (9)	8 (4)	11 (5)
20	0 (2)	-2 (1)	20 (9)	29 (13)	4 (3)	6 (4)
21	3 (3)	4 (3)	22 (8)	32 (11)		
22	9 (2)	8 (1)	15 (2)	22 (3)	11 (2)	16 (3)
23	6 (1)	8 (1)	16 (3)	22 (5)	11 (3)	16 (4)
24	3 (2)	3 (3)	16 (5)	24 (7)	7 (5)	9 (7)
25	0 (2)	-1 (2)	27 (7)	38 (11)	5 (4)	7 (5)
26	-2 (1)	0 (1)	23 (11)	33 (15)	3 (3)	5 (4)
27	-1 (1)	1 (2)	17 (8)	25 (12)	6 (3)	8 (5)
28	3 (1)	4 (2)	17 (5)	24 (8)	7 (2)	10 (2)
29	4 (1)	5 (1)	13 (4)	18 (6)	6 (3)	9 (4)
30	1 (2)	2 (2)	14 (9)	20 (13)	5 (5)	7 (7)
31	1 (1)	0 (2)	12 (8)	18 (12)	4 (4)	5 (5)
Avg	2	3	15	22	6	9
n	31	31	28	28	27	27
SD	2	2	6	9	2	3
Min	-2	-2	5	7	3	5
Max	9	8	27	38	11	16

Table F7. Daily means (SD) of H2S concentrations at site IN2B for September, 2008.

Day	Inlets		House 6		House 7	
	B6, ppb	B7, ppb	ppb	µg·dsm^{-3}	ppb	µg·dsm^{-3}
1	-1 (1)	1 (1)	9 (5)	13 (7)	2 (2)	3 (3)
2	2 (2)	1 (2)	11 (6)	16 (8)	4 (2)	6 (3)
3	2 (3)	2 (1)	15 (6)	21 (8)	4 (1)	6 (2)
4	-1 (2)	1 (2)	18 (4)	25 (5)	4 (2)	6 (2)
5	3 (1)	5 (2)	18 (4)	25 (6)	10 (1)	14 (2)
6	3 (2)	3 (1)	22 (3)	32 (4)	10 (6)	14 (9)
7	2 (4)	2 (2)	22 (2)	32 (3)	8 (4)	11 (5)
8	2 (2)	3 (1)	23 (5)	33 (7)	9 (3)	12 (4)
9	3 (0)	2 (1)	28 (4)	41 (6)	7 (3)	10 (5)
10	3 (1)	1 (0)	31 (8)	44 (11)	4 (2)	6 (3)
11	2 (3)	6 (3)	27 (11)	39 (16)	7 (4)	11 (6)
12	8 (2)	12 (2)	17 (2)	25 (3)	18 (1)	25 (2)
13	12 (2)	11 (2)	16 (2)	24 (3)	17 (4)	25 (6)
14	7 (5)	8 (3)	21 (6)	30 (8)	15 (2)	21 (2)
15	1 (1)	2 (1)	35 (2)	50 (3)	13 (4)	19 (6)
16	0 (2)	2 (1)	36 (6)	51 (8)	10 (3)	14 (4)
17	1 (2)	3 (2)	32 (10)	46 (15)	12 (5)	17 (7)
18	0 (1)	2 (2)	31 (8)	44 (11)		
19	-1 (1)	1 (2)				
20	2 (1)	1 (2)	29 (9)	41 (13)	14 (7)	20 (10)
21	2 (2)	1 (2)	34 (12)	49 (17)	9 (5)	13 (7)
22	-1 (1)	1 (2)	32 (16)	46 (23)	11 (4)	16 (5)
23	3 (2)	2 (2)	27 (12)	39 (17)	13 (6)	18 (8)
24	5 (2)	1 (1)	24 (13)	35 (18)	12 (6)	17 (8)
25	2 (2)	1 (3)	24 (10)	34 (14)	12 (7)	16 (10)
26	1 (2)	2 (2)	25 (6)	36 (9)	12 (6)	17 (9)
27	1 (1)	7 (3)	25 (5)	36 (7)	13 (6)	19 (8)
28	1 (2)	13 (5)	24 (7)	35 (9)	13 (5)	19 (7)
29	2 (1)	11 (3)	25 (5)	35 (7)	17 (3)	25 (5)
30	0 (1)	6 (2)	37 (7)	53 (10)	20 (2)	29 (3)
Avg	2	4	25	35	11	15
n	30	30	29	29	28	28
SD	3	4	7	10	5	7
Min	-1	1	9	13	2	3
Max	12	13	37	53	20	29

Table F7. Daily means (SD) of H2S concentrations at site IN2B for October, 2008.

Day	Inlets		House 6		House 7	
	B6, ppb	B7, ppb	ppb	µg·dsm^{-3}	ppb	µg·dsm^{-3}
1	2 (2)	3 (2)	43 (3)	62 (5)	21 (2)	30 (3)
2	2 (1)	5 (1)	45 (6)	64 (8)	21 (5)	30 (7)
3	2 (1)	11 (2)	45 (4)	65 (5)	22 (2)	31 (3)
4	-1 (0)	13 (2)				
5	0 (1)	15 (4)	47 (8)	67 (12)	23 (9)	33 (13)
6	1 (0)	12 (1)	40 (6)	57 (9)	19 (3)	27 (5)
7	3 (2)	18 (5)	44 (6)	63 (8)	20 (4)	29 (6)
8	8 (1)	9 (6)			23 (3)	34 (5)
9	3 (1)	8 (4)	41 (6)	58 (8)	27 (7)	39 (10)
10	4 (1)	3 (2)	43 (13)	61 (19)	23 (8)	32 (12)
11	3 (2)	6 (4)	34 (11)	49 (16)	20 (4)	29 (6)
12	5 (1)	5 (1)	32 (12)	45 (17)	20 (7)	28 (10)
13	8 (7)	10 (5)	34 (9)	49 (13)	21 (4)	30 (6)
14						
15						
16						
17						
18						
19						
20						
21						
22						
23						
24						
25						
26						
27						
28						
29						
30						
31						
Avg	3	9	41	58	22	31
n	13	13	11	11	12	12
SD	3	5	5	7	2	3
Min	-1	3	32	45	19	27
Max	8	18	47	67	27	39

Table F7. Daily means (SD) of H2S concentrations at site IN2B for November, 2008.

Day	Inlets		House 6		House 7	
	B6, ppb	B7, ppb	ppb	µg·dsm^{-3}	ppb	µg·dsm^{-3}
1						
2						
3						
4						
5						
6						
7						
8						
9						
10						
11						
12						
13						
14						
15						
16						
17						
18						
19						
20						
21						
22						
23						
24						
25						
26	1 (0)	0 (1)	13 (6)	19 (9)	11 (2)	16 (3)
27	2 (1)	0 (2)	14 (4)	20 (6)	12 (2)	18 (3)
28	1 (0)	1 (1)	15 (5)	21 (8)	13 (2)	19 (3)
29	2 (2)	2 (1)	19 (6)	27 (8)	15 (2)	21 (3)
30	1 (1)	0 (1)	15 (3)	21 (4)	12 (3)	17 (5)
Avg	1	0	15	22	13	18
n	5	5	5	5	5	5
SD	1	1	2	3	1	2
Min	1	0	13	19	11	16
Max	2	2	19	27	15	21

Table F7. Daily means (SD) of H2S concentrations at site IN2B for December, 2008.

Day	Inlets		House 6		House 7	
	B6, ppb	B7, ppb	ppb	µg·dsm^{-3}	ppb	µg·dsm^{-3}
1	0 (1)	-1 (0)	10 (4)	14 (6)	4 (3)	5 (4)
2	0 (0)	-2 (1)				
3	1 (0)	-2 (0)	7 (2)	10 (3)	4 (2)	6 (2)
4	0 (1)	-2 (1)	6 (6)	8 (9)	0 (2)	1 (3)
5	-2 (1)	-2 (1)	10 (7)	15 (9)	-2 (1)	-3 (1)
6	-1 (2)	-1 (2)	7 (5)	10 (7)	-1 (2)	-1 (3)
7	-1 (1)	-1 (1)	5 (4)	6 (6)	-2 (1)	-2 (2)
8	0 (0)	-1 (1)	5 (3)	8 (4)	3 (2)	4 (2)
9	2 (2)	0 (1)	3 (2)	5 (4)	2 (1)	3 (2)
10	-1 (1)	-1 (1)	5 (5)	7 (7)	5 (2)	8 (3)
11	3 (4)	2 (2)				
12	13 (8)	5 (4)	47 (31)	67 (44)	33 (23)	48 (33)
13	0 (1)	0 (1)	6 (5)	9 (8)	5 (2)	7 (3)
14	3 (3)	2 (1)	4 (3)	5 (4)	7 (2)	10 (3)
15	1 (2)	0 (1)	9 (6)	13 (8)	4 (3)	5 (4)
16	1 (0)	1 (0)				
17	11 (12)	4 (5)	34 (41)	48 (58)	27 (37)	39 (53)
18	39 (3)	17 (2)	93 (20)	133 (28)	94 (8)	134 (12)
19						
20						
21						
22						
23	27 (3)	21 (3)	78 (5)	112 (7)	85 (17)	
24						
25						
26						
27	65 (10)	55 (22)	87 (6)	124 (8)	83 (6)	
28	32 (10)	13 (3)	115 (10)	165 (15)	121 (14)	
29	37 (3)	15 (4)	111 (8)	158 (11)	120 (7)	
30	34 (5)	17 (3)	112 (6)	160 (9)	117 (7)	
31	12 (6)	11 (1)	121 (6)	172 (8)	107 (6)	
Avg	12	6	42	60	39	18
n	24	24	21	21	21	15
SD	17	12	45	64	48	34
Min	-2	-2	3	5	-2	-3
Max	65	55	121	172	121	134

Table F7. Daily means (SD) of H2S concentrations at site IN2B for January, 2009.

Day	Inlets		House 6		House 7	
	B6, ppb	B7, ppb	ppb	µg·dsm^{-3}	ppb	µg·dsm^{-3}
1	33 (7)	21 (3)	112 (5)	160 (7)	117 (3)	
2	39 (3)	15 (2)	117 (7)	167 (10)	120 (3)	
3	45 (7)	13 (1)	116 (5)	165 (7)	125 (3)	
4	38 (14)	15 (3)	114 (4)	163 (6)	118 (7)	
5	37 (11)	14 (2)	124 (10)	177 (15)	124 (3)	
6	38 (4)	13 (1)	127 (8)	181 (11)	124 (6)	
7						
8						
9						
10						
11						
12						
13						
14						
15						
16						
17						
18						
19						
20						
21						
22						
23						
24						
25						
26						
27						
28						
29						
30						
31						
Avg	38	15	118	169	121	
n	6	6	6	6	6	0
SD	4	3	5	8	3	
Min	33	13	112	160	117	
Max	45	21	127	181	125	

Table F7. Daily means (SD) of H2S concentrations at site IN2B for February, 2009.

Day	Inlets		House 6		House 7	
	B6, ppb	B7, ppb	ppb	µg·dsm^{-3}	ppb	µg·dsm^{-3}
1						
2						
3						
4						
5						
6						
7						
8						
9						
10						
11						
12						
13	-2 (1)	-1 (1)	13 (5)	18 (7)	21 (7)	
14	-1 (1)	-3 (1)	16 (4)	24 (6)	30 (5)	43 (6)
15	-1 (1)	-2 (1)	18 (6)	26 (8)	28 (5)	39 (8)
16	0 (1)	-2 (1)	15 (5)	21 (8)	32 (3)	45 (4)
17	3 (1)	2 (2)	15 (3)	21 (4)	29 (7)	41 (10)
18	1 (2)	0 (1)	14 (4)	20 (6)	30 (5)	42 (7)
19	-8 (8)	-11 (8)	-10 (12)	-14 (18)	2 (19)	3 (27)
20	-23 (1)	-24 (0)	-17 (2)	-24 (2)	-8 (3)	-11 (4)
21	-23 (1)	-24 (1)	-15 (2)	-21 (3)	-9 (4)	-13 (5)
22	-23 (1)	-24 (0)	-16 (1)	-23 (2)	-10 (5)	-14 (7)
23	-23 (1)	-23 (1)	-16 (3)	-23 (4)	-16 (4)	-23 (6)
24	-24 (1)	-23 (1)	-16 (2)	-23 (3)	-15 (2)	-22 (3)
25	-22 (0)	-22 (1)	-11 (5)	-15 (7)	-12 (4)	-17 (6)
26	-20 (5)	-19 (4)	-17 (2)	-24 (3)	-14 (3)	-20 (4)
27	-17 (6)	-17 (7)	-17 (3)	-25 (5)	-15 (6)	-22 (9)
28	-22 (0)	-23 (1)	-18 (2)	-26 (2)	-16 (2)	-22 (3)
Avg	-13	-14	-4	-6	4	3
n	16	16	16	16	16	15
SD	11	10	15	21	20	28
Min	-24	-24	-18	-26	-16	-23
Max	3	2	18	26	32	45

Table F7. Daily means (SD) of H2S concentrations at site IN2B for March, 2009.

Day	Inlets		House 6		House 7	
	B6, ppb	B7, ppb	ppb	µg·dsm^{-3}	ppb	µg·dsm^{-3}
1	-22 (0)	-23 (0)	-18 (2)	-26 (4)	-17 (2)	-25 (3)
2	-23 (0)	-22 (1)	-18 (2)	-25 (3)	-14 (3)	-20 (4)
3	-22 (1)	-22 (1)	-14 (3)	-20 (5)	-14 (2)	-20 (2)
4	-21 (1)	-22 (1)	-13 (3)	-19 (4)	-15 (2)	-21 (3)
5	-20 (2)	-21 (2)	-6 (7)	-8 (10)	-4 (8)	-6 (11)
6	-7 (8)	-11 (6)	-1 (5)	-2 (8)	3 (5)	4 (7)
7	-5 (13)	-9 (11)	2 (5)	3 (6)	1 (6)	2 (8)
8	-17 (5)	-16 (6)	-10 (6)	-14 (9)	-14 (5)	-20 (7)
9	-23 (1)	-23 (1)	-10 (3)	-15 (4)	-13 (2)	-19 (3)
10	16 (32)	4 (23)	-5 (9)	-7 (13)	-13 (5)	-19 (7)
11	-21 (5)	-23 (3)	-14 (4)	-19 (5)	-11 (3)	-16 (4)
12	-24 (0)	-24 (1)	-14 (3)	-20 (5)	-16 (2)	-22 (3)
13	-24 (0)	-24 (1)	-17 (4)	-24 (6)	-17 (2)	-24 (3)
14	-23 (1)	-23 (1)	-15 (3)	-21 (4)	-15 (1)	-21 (2)
15	-23 (1)	-24 (1)	-11 (5)	-16 (7)	-11 (4)	-15 (6)
16	-22 (1)	-23 (2)	-8 (6)	-11 (8)	-6 (7)	-9 (10)
17	-21 (1)	-21 (2)	-4 (3)	-5 (5)	-3 (5)	-4 (7)
18	-22 (1)	-22 (1)	-5 (5)	-7 (7)	-1 (2)	-2 (2)
19	-24 (1)	-23 (0)	-9 (4)	-13 (6)	-3 (4)	-5 (5)
20	-25 (1)	-24 (1)	-16 (4)	-23 (5)	-5 (9)	-7 (12)
21	-23 (0)	-23 (2)	-12 (6)	-17 (8)	-8 (6)	-11 (9)
22	-23 (1)	-17 (5)	-8 (3)	-11 (4)	-3 (3)	-4 (4)
23	-3 (4)	-4 (1)	6 (3)	9 (5)	12 (7)	18 (9)
24	-1 (2)	-2 (2)	10 (6)	15 (9)	17 (3)	25 (5)
25	6 (7)	4 (6)	17 (2)	24 (3)	19 (1)	27 (2)
26	-2 (1)	-1 (1)	14 (4)	20 (6)	18 (4)	25 (6)
27	-1 (1)	-1 (1)	16 (3)	23 (4)	18 (2)	26 (3)
28	-2 (1)	-1 (1)	8 (2)	11 (2)	9 (4)	13 (5)
29	-1 (1)	-2 (1)	3 (3)	5 (4)	6 (2)	9 (3)
30	-1 (1)	-2 (1)	9 (6)	13 (9)	13 (5)	19 (8)
31	-1 (2)	0 (2)	11 (2)	16 (3)	10 (2)	14 (3)
Avg	-14	-14	-4	-6	-3	-4
n	31	31	31	31	31	31
SD	11	10	11	15	12	17
Min	-25	-24	-18	-26	-17	-25
Max	16	4	17	24	19	27

Table F7. Daily means (SD) of H2S concentrations at site IN2B for April, 2009.

Day	Inlets		House 6		House 7	
	B6, ppb	B7, ppb	ppb	µg·dsm^{-3}	ppb	µg·dsm^{-3}
1	-1 (1)	0 (2)	5 (3)	7 (4)	14 (6)	20 (9)
2	-1 (2)	-1 (2)	5 (4)	7 (6)	23 (2)	33 (3)
3	-2 (1)	-2 (1)	6 (5)	9 (7)	12 (5)	17 (7)
4	-3 (0)	-3 (0)	14 (4)	19 (5)	16 (4)	23 (6)
5	-1 (1)	-2 (1)	10 (3)	14 (4)	10 (4)	14 (6)
6	-3 (0)	-2 (1)	6 (4)	9 (5)	7 (1)	10 (2)
7	-2 (1)	-3 (0)	8 (5)	11 (7)	8 (2)	11 (3)
8	-1 (0)	-3 (0)	10 (6)	15 (8)	12 (3)	17 (4)
9	-1 (1)	-2 (1)	12 (6)	17 (9)	16 (7)	23 (10)
10	-2 (1)	-2 (0)	16 (7)	22 (10)	10 (5)	14 (7)
11	-1 (1)	-2 (1)	18 (4)	26 (5)	11 (4)	16 (5)
12	-1 (1)	-2 (1)	17 (6)	23 (8)	10 (2)	15 (3)
13	-2 (1)	-2 (1)	14 (5)	19 (8)	6 (4)	9 (5)
14	-1 (0)	0 (1)	11 (2)	15 (3)	2 (1)	3 (1)
15	-2 (1)	6 (8)	11 (2)	15 (3)	4 (3)	6 (4)
16	-2 (0)	-1 (1)	10 (6)	14 (8)	13 (6)	18 (9)
17	0 (2)	0 (1)	6 (5)	9 (7)	14 (3)	20 (4)
18	-1 (2)	0 (1)	4 (4)	6 (6)	16 (3)	23 (5)
19	0 (0)	1 (1)	9 (4)	12 (6)	17 (5)	24 (7)
20	-1 (1)	1 (2)	13 (2)	19 (3)	3 (2)	4 (3)
21	-2 (1)	-2 (1)	11 (1)	15 (1)	2 (1)	3 (1)
22	-2 (1)	1 (4)	10 (3)	14 (4)	7 (5)	10 (7)
23	-1 (1)	0 (1)	10 (5)	15 (7)	12 (2)	17 (3)
24	1 (2)	0 (2)	4 (2)	6 (3)	11 (7)	16 (10)
25	0 (1)	1 (1)	4 (1)	5 (2)	7 (2)	10 (3)
26	0 (1)	0 (1)	4 (2)	5 (3)	5 (4)	8 (6)
27	-1 (2)	1 (1)	4 (2)	6 (3)	6 (3)	9 (4)
28	1 (3)	1 (2)	12 (3)	18 (5)	18 (2)	26 (3)
29	-1 (2)	0 (2)	16 (2)	23 (3)	11 (2)	16 (2)
30	27 (17)	24 (14)				
Avg	0	0	10	14	10	15
n	30	30	29	29	29	29
SD	5	5	4	6	5	7
Min	-3	-3	4	5	2	3
Max	27	24	18	26	23	33

Table F7. Daily means (SD) of H2S concentrations at site IN2B for May, 2009.

Day	Inlets		House 6		House 7	
	B6, ppb	B7, ppb	ppb	µg·dsm^{-3}	ppb	µg·dsm^{-3}
1	8 (12)	8 (8)	22 (6)	31 (9)	14 (2)	20 (2)
2						
3						
4						
5						
6	-1 (1)	1 (1)	13 (3)	19 (5)	17 (2)	24 (3)
7	5 (2)	9 (3)	14 (6)	21 (8)	15 (4)	22 (6)
8	6 (2)	18 (8)	18 (2)	25 (3)	19 (4)	27 (5)
9	0 (1)	0 (2)	17 (4)	24 (6)	13 (4)	19 (5)
10	-1 (0)	2 (1)	17 (8)	24 (12)	12 (2)	17 (3)
11	-3 (1)	1 (1)	16 (5)	22 (7)	10 (2)	15 (2)
12	-1 (1)	2 (1)	13 (9)	18 (13)	8 (2)	12 (3)
13	9 (11)	15 (11)	19 (7)	27 (9)	13 (3)	18 (4)
14	8 (15)	31 (6)	17 (11)	24 (16)	13 (2)	19 (3)
15	0 (1)	18 (9)	15 (6)	21 (8)	15 (1)	21 (2)
16	4 (6)	13 (7)	21 (5)	31 (7)	15 (2)	22 (4)
17	-2 (1)	-1 (1)	18 (6)	26 (9)	13 (2)	19 (3)
18	1 (1)	5 (3)	13 (8)	19 (12)	11 (2)	16 (3)
19	0 (2)	4 (2)	8 (4)	11 (6)	8 (4)	12 (5)
20	-1 (1)	2 (1)	7 (5)	10 (7)	6 (4)	8 (6)
21	-2 (0)	0 (1)	5 (3)	8 (5)	4 (3)	6 (4)
22	-1 (1)	3 (1)	5 (2)	7 (3)	5 (2)	7 (3)
23	-1 (1)	2 (1)	7 (5)	10 (7)	6 (4)	9 (6)
24	-2 (1)	3 (2)	5 (2)	8 (3)	5 (3)	8 (5)
25	-2 (1)	3 (0)	8 (4)	11 (6)	7 (2)	10 (3)
26	1 (3)	6 (1)	9 (2)	12 (3)	9 (2)	12 (3)
27	2 (3)	12 (10)	12 (3)	18 (5)	12 (6)	17 (8)
28	-1 (1)	5 (3)	17 (4)	24 (5)	12 (2)	17 (3)
29	-1 (1)	4 (2)	17 (8)	24 (11)	13 (2)	18 (3)
30	0 (0)	7 (2)	12 (8)	17 (11)	9 (4)	13 (6)
31	-1 (1)	4 (2)	9 (5)	13 (7)	8 (2)	12 (4)
Avg	1	7	13	19	11	16
n	27	27	27	27	27	27
SD	3	7	5	7	4	6
Min	-3	-1	5	7	4	6
Max	9	31	22	31	19	27

Table F8. Daily means (SD) of hydrogen sulfide emissions at site IN2B for June, 2007.

Day	House 6				House 7			
	$g \cdot d^{-1}$	$mg \cdot d^{-1} m^{-2}$	$mg \cdot d^{-1} hd^{-1}$	$mg \cdot d^{-1} AU^{-1}$	$g \cdot d^{-1}$	$mg\ d^{-1} m^{-2}$	$mg\ d^{-1} hd^{-1}$	$mg\ d^{-1} AU^{-1}$
1	218.0 (237.0)	36.1 (39.3)	0.94 (1.02)	328.0 (357.0)	256.0 (185.0)	42.4 (30.6)	1.14 (0.83)	364.0 (263.0)
2	502.0 (280.0)	83.1 (46.3)	2.16 (1.20)	756.0 (422.0)	316.0 (291.0)	52.3 (48.2)	1.41 (1.30)	450.0 (414.0)
3	360.0 (106.0)	59.6 (17.5)	1.55 (0.46)	544.0 (160.0)	243.0 (88.4)	40.2 (14.6)	1.08 (0.40)	345.0 (126.0)
4	428.0 (140.0)	70.9 (23.1)	1.84 (0.60)	648.0 (211.0)	318.0 (141.0)	52.6 (23.4)	1.42 (0.63)	452.0 (201.0)
5	340.0 (114.0)	56.3 (18.9)	1.46 (0.49)	516.0 (173.0)	182.0 (79.9)	30.1 (13.2)	0.81 (0.36)	259.0 (114.0)
6	283.0 (96.9)	46.9 (16.0)	1.22 (0.42)	431.0 (147.0)	194.0 (73.2)	32.2 (12.1)	0.87 (0.33)	277.0 (104.0)
7	695.0 (302.0)	115.0 (49.9)	2.99 (1.30)	1060.0 (460.0)	424.0 (258.0)	70.2 (42.7)	1.90 (1.15)	604.0 (367.0)
8	532.0 (241.0)	88.0 (39.9)	2.29 (1.04)	812.0 (367.0)	237.0 (272.0)	39.3 (45.0)	1.06 (1.21)	338.0 (387.0)
9	316.0 (127.0)	52.3 (21.0)	1.36 (0.55)	481.0 (193.0)	253.0 (97.0)	41.9 (16.1)	1.13 (0.43)	360.0 (138.0)
10	220.0 (73.1)	36.3 (12.1)	0.95 (0.32)	333.0 (111.0)	178.0 (66.0)	29.4 (10.9)	0.80 (0.30)	253.0 (93.8)
11	336.0 (170.0)	55.6 (28.1)	1.45 (0.73)	506.0 (256.0)	277.0 (119.0)	45.9 (19.7)	1.24 (0.53)	393.0 (168.0)
12	229.0 (136.0)	38.0 (22.6)	0.99 (0.59)	344.0 (205.0)	264.0 (201.0)	43.8 (33.3)	1.18 (0.90)	374.0 (285.0)
13								
14								
15								
16								
17								
18								
19								
20								
21								
22								
23								
24								
25								
26								
27								
28								
29								
30								
Avg	371.0	61.5	1.60	563.0	262.0	43.4	1.17	372.0
n	12	12	12	12.0	12	12	12	12.0
SD	139.0	22.9	0.60	212.0	65.7	10.9	0.29	93.6
Min	218.0	36.1	0.94	328.0	178.0	29.4	0.80	253.0
Max	695.0	115	2.99	1060.0	424.0	70.2	1.90	604.0

Table F8. Hydrogen sulfide emissions.

Table F8. Daily means (SD) of hydrogen sulfide emissions at site IN2B for July, 2007.

Day	House 6				House 7			
	$g \cdot d^{-1}$	$mg \cdot d^{-1} m^{-2}$	$mg \cdot d^{-1} hd^{-1}$	$mg \cdot d^{-1} AU^{-1}$	$g \cdot d^{-1}$	$mg\ d^{-1} m^{-2}$	$mg\ d^{-1} hd^{-1}$	$mg\ d^{-1} AU^{-1}$
1								
2								
3								
4								
5								
6								
7								
8								
9	699.0 (210.0)	116.0 (34.7)	2.96 (0.89)	1000.0 (301.0)	157.0 (156.0)	25.9 (25.8)	0.67 (0.67)	277.0 (275.0)
10	853.0 (212.0)	141.0 (35.1)	3.61 (0.90)	1220.0 (304.0)	202.0 (171.0)	33.5 (28.2)	0.87 (0.73)	356.0 (300.0)
11								
12	408.0 (145.0)	67.6 (24.0)	1.74 (0.62)	585.0 (208.0)	147.0 (98.7)	24.4 (16.3)	0.64 (0.43)	256.0 (171.0)
13	325.0 (130.0)	53.8 (21.5)	1.38 (0.55)	466.0 (186.0)	94.1 (77.9)	15.6 (12.9)	0.41 (0.34)	162.0 (135.0)
14	427.0 (164.0)	70.7 (27.1)	1.82 (0.70)	613.0 (235.0)	155.0 (99.1)	25.6 (16.4)	0.67 (0.43)	266.0 (170.0)
15	398.0 (102.0)	65.9 (16.9)	1.70 (0.44)	571.0 (146.0)	111.0 (88.1)	18.3 (14.6)	0.48 (0.38)	189.0 (151.0)
16								
17								
18	703.0 (223.0)	116.0 (36.9)	3.02 (0.96)	1010.0 (320.0)	368.0 (240.0)	60.9 (39.8)	1.58 (1.03)	617.0 (402.0)
19	576.0 (312.0)	95.3 (51.7)	2.48 (1.34)	828.0 (449.0)	270.0 (109.0)	44.6 (18.1)	1.16 (0.47)	450.0 (182.0)
20	377.0 (126.0)	62.3 (20.9)	1.63 (0.55)	542.0 (182.0)	264.0 (77.9)	43.8 (12.9)	1.14 (0.34)	439.0 (129.0)
21	229.0 (78.4)	38.0 (13.0)	0.99 (0.34)	331.0 (113.0)	229.0 (73.6)	38.0 (12.2)	0.99 (0.32)	378.0 (121.0)
22	270.0 (76.8)	44.8 (12.7)	1.17 (0.33)	391.0 (111.0)	212.0 (62.3)	35.1 (10.3)	0.91 (0.27)	348.0 (102.0)
23	264.0 (67.8)	43.7 (11.2)	1.14 (0.29)	382.0 (98.4)	220.0 (124.0)	36.5 (20.6)	0.95 (0.54)	360.0 (203.0)
24	217.0 (116.0)	35.9 (19.2)	0.94 (0.50)	315.0 (169.0)	98.5 (148.0)	16.3 (24.4)	0.42 (0.64)	160.0 (240.0)
25								
26	384.0 (189.0)	63.6 (31.3)	1.66 (0.82)	562.0 (277.0)	-3.1 (280.0)	-0.5 (46.4)	-0.01 (1.21)	-4.4 (450.0)
27								
28								
29								
30								
31								
Avg	438.0	72.5	1.87	630.0	180.0	29.9	0.78	304.0
n	14	14	14	14.0	14	14	14	14.0
SD	189.0	31.4	0.80	271.0	88.9	14.7	0.38	147.0
Min	217.0	35.9	0.94	315.0	-3.1	-0.5	-0.01	-4.4
Max	853.0	141	3.61	1220.0	368.0	60.9	1.58	617.0

Table F8. Daily means (SD) of hydrogen sulfide emissions at site IN2B for August, 2007.

Day	House 6				House 7			
	$g \cdot d^{-1}$	$mg \cdot d^{-1} m^{-2}$	$mg \cdot d^{-1} hd^{-1}$	$mg \cdot d^{-1} AU^{-1}$	$g \cdot d^{-1}$	$mg\ d^{-1} m^{-2}$	$mg\ d^{-1} hd^{-1}$	$mg\ d^{-1} AU^{-1}$
1								
2	387.0 (140.0)	64.0 (23.1)	1.67 (0.60)	572.0 (206.0)	104.0 (381.0)	17.3 (63.1)	0.45 (1.64)	165.0 (601.0)
3								
4								
5								
6								
7								
8								
9								
10	425.0 (133.0)	70.3 (22.0)	1.84 (0.57)	637.0 (199.0)	402.0 (170.0)	66.5 (28.1)	1.73 (0.73)	632.0 (267.0)
11	280.0 (247.0)	46.4 (40.8)	1.21 (1.07)	421.0 (370.0)	346.0 (377.0)	57.2 (62.4)	1.49 (1.62)	542.0 (591.0)
12	335.0 (153.0)	55.5 (25.4)	1.45 (0.66)	503.0 (230.0)	488.0 (213.0)	80.9 (35.3)	2.10 (0.92)	764.0 (334.0)
13								
14								
15								
16								
17								
18	285.0 (90.5)	47.3 (15.0)	1.24 (0.39)	426.0 (135.0)	293.0 (76.9)	48.5 (12.7)	1.26 (0.33)	449.0 (118.0)
19	343.0 (92.6)	56.8 (15.3)	1.48 (0.40)	512.0 (138.0)	462.0 (181.0)	76.5 (29.9)	1.99 (0.78)	708.0 (277.0)
20	508.0 (140.0)	84.1 (23.1)	2.20 (0.61)	758.0 (209.0)				
21								
22								
23								
24					726.0 (322.0)	120.0 (53.3)	3.13 (1.39)	1120.0 (496.0)
25	529.0 (181.0)	87.6 (30.0)	2.29 (0.78)	789.0 (270.0)				
26	283.0 (124.0)	46.8 (20.5)	1.23 (0.54)	421.0 (184.0)				
27	304.0 (122.0)	50.4 (20.2)	1.32 (0.53)	453.0 (181.0)				
28	454.0 (245.0)	75.2 (40.7)	1.97 (1.06)	673.0 (364.0)	647.0 (155.0)	107.0 (25.6)	2.79 (0.67)	1000.0 (240.0)
29	389.0 (192.0)	64.4 (31.8)	1.68 (0.83)	576.0 (284.0)	490.0 (199.0)	81.1 (33.0)	2.11 (0.86)	762.0 (310.0)
30	243.0 (199.0)	40.2 (32.9)	1.05 (0.86)	359.0 (294.0)	597.0 (155.0)	98.9 (25.7)	2.58 (0.67)	931.0 (242.0)
31					374.0 (170.0)	61.9 (28.1)	1.61 (0.73)	584.0 (265.0)
Avg	367.0	60.7	1.59	546.0	448.0	74.2	1.93	696.0
n	13	13	13	13.0	11	11	11	11.0
SD	87.7	14.5	0.38	131.0	166.0	27.5	0.72	256.0
Min	243.0	40.2	1.05	359.0	104.0	17.3	0.45	165.0
Max	529.0	88	2.29	789.0	726.0	120.0	3.13	1120.0

Table F8. Daily means (SD) of hydrogen sulfide emissions at site IN2B for September, 2007.

Day	House 6				House 7			
	$g \cdot d^{-1}$	$mg \cdot d^{-1} m^{-2}$	$mg \cdot d^{-1} hd^{-1}$	$mg \cdot d^{-1} AU^{-1}$	$g \cdot d^{-1}$	$mg\ d^{-1} m^{-2}$	$mg\ d^{-1} hd^{-1}$	$mg\ d^{-1} AU^{-1}$
1					312.0 (155.0)	51.6 (25.7)	1.35 (0.67)	487.0 (242.0)
2					365.0 (147.0)	60.5 (24.4)	1.58 (0.64)	568.0 (229.0)
3					524.0 (179.0)	86.7 (29.6)	2.26 (0.77)	811.0 (277.0)
4					874.0 (153.0)	145.0 (25.4)	3.78 (0.66)	1350.0 (237.0)
5					549.0 (178.0)	91.0 (29.5)	2.37 (0.77)	844.0 (274.0)
6					682.0 (149.0)	113.0 (24.6)	2.95 (0.64)	1040.0 (228.0)
7					713.0 (125.0)	118.0 (20.7)	3.08 (0.54)	1090.0 (190.0)
8					963.0 (149.0)	159.0 (24.6)	4.16 (0.64)	1470.0 (226.0)
9					1150.0 (270.0)	191.0 (44.8)	4.99 (1.17)	1760.0 (411.0)
10					824.0 (115.0)	136.0 (19.1)	3.56 (0.50)	1250.0 (176.0)
11								
12					532.0 (184.0)	88.1 (30.4)	2.30 (0.80)	809.0 (280.0)
13								
14								
15								
16								
17								
18								
19								
20	552.0 (156.0)	91.4 (25.8)	2.39 (0.68)	816.0 (230.0)	993.0 (141.0)	164.0 (23.3)	4.29 (0.61)	1480.0 (210.0)
21	618.0 (204.0)	102.0 (33.7)	2.68 (0.89)	912.0 (301.0)				
22	434.0 (151.0)	71.9 (25.0)	1.88 (0.65)	641.0 (223.0)	555.0 (174.0)	91.9 (28.9)	2.40 (0.76)	820.0 (258.0)
23	399.0 (110.0)	66.0 (18.1)	1.73 (0.48)	589.0 (162.0)	544.0 (166.0)	90.2 (27.6)	2.36 (0.72)	801.0 (244.0)
24	544.0 (229.0)	90.0 (37.8)	2.36 (0.99)	803.0 (338.0)	815.0 (259.0)	135.0 (43.0)	3.53 (1.12)	1190.0 (378.0)
25	727.0 (201.0)	120.0 (33.4)	3.16 (0.88)	1070.0 (297.0)	1310.0 (234.0)	216.0 (38.7)	5.65 (1.01)	1900.0 (340.0)
26	425.0 (260.0)	70.4 (43.0)	1.85 (1.13)	628.0 (384.0)				
27								
28					593.0 (407.0)	98.2 (67.4)	2.57 (1.76)	852.0 (586.0)
29	261.0 (61.5)	43.3 (10.2)	1.13 (0.27)	386.0 (90.7)	557.0 (159.0)	92.3 (26.3)	2.41 (0.69)	799.0 (228.0)
30	319.0 (59.1)	52.9 (9.8)	1.39 (0.26)	470.0 (86.9)	596.0 (253.0)	98.7 (41.9)	2.58 (1.10)	855.0 (363.0)
Avg	475.0	78.7	2.06	702.0	708.0	117.0	3.06	1060.0
n	9	9	9	9.0	19	19	19	19.0
SD	139.0	23.1	0.60	206.0	253.0	41.9	1.10	376.0
Min	261.0	43.3	1.13	386.0	312.0	51.6	1.35	487.0
Max	727.0	120	3.16	1070.0	1310.0	216.0	5.65	1900.0

Table F8. Daily means (SD) of hydrogen sulfide emissions at site IN2B for October, 2007.

Day	House 6				House 7			
	$g \cdot d^{-1}$	$mg \cdot d^{-1} m^{-2}$	$mg \cdot d^{-1} hd^{-1}$	$mg \cdot d^{-1} AU^{-1}$	$g \cdot d^{-1}$	$mg\ d^{-1} m^{-2}$	$mg\ d^{-1} hd^{-1}$	$mg\ d^{-1} AU^{-1}$
1	429.0 (109.0)	71.0 (18.1)	1.86 (0.48)	630.0 (161.0)	675.0 (115.0)	112.0 (19.1)	2.92 (0.50)	969.0 (166.0)
2	437.0 (75.7)	72.4 (12.5)	1.90 (0.33)	641.0 (111.0)	922.0 (211.0)	153.0 (35.0)	3.99 (0.92)	1330.0 (304.0)
3	400.0 (76.5)	66.2 (12.7)	1.74 (0.33)	586.0 (112.0)	579.0 (164.0)	95.8 (27.1)	2.51 (0.71)	833.0 (236.0)
4	427.0 (154.0)	70.7 (25.5)	1.86 (0.67)	625.0 (225.0)	566.0 (185.0)	93.7 (30.6)	2.45 (0.80)	815.0 (267.0)
5	514.0 (117.0)	85.0 (19.4)	2.23 (0.51)	750.0 (171.0)	963.0 (136.0)	159.0 (22.5)	4.17 (0.59)	1390.0 (196.0)
6	425.0 (191.0)	70.4 (31.6)	1.85 (0.83)	620.0 (278.0)	856.0 (146.0)	142.0 (24.1)	3.71 (0.63)	1240.0 (212.0)
7	165.0 (306.0)	27.3 (50.6)	0.72 (1.33)	240.0 (446.0)	751.0 (344.0)	124.0 (57.0)	3.25 (1.49)	1090.0 (500.0)
8	377.0 (168.0)	62.5 (27.9)	1.64 (0.73)	550.0 (245.0)	726.0 (226.0)	120.0 (37.4)	3.14 (0.98)	1070.0 (334.0)
9	317.0 (224.0)	52.5 (37.2)	1.38 (0.98)	463.0 (327.0)	589.0 (294.0)	97.6 (48.7)	2.55 (1.27)	871.0 (433.0)
10	224.0 (112.0)	37.1 (18.5)	0.98 (0.49)	327.0 (163.0)	444.0 (164.0)	73.6 (27.2)	1.92 (0.71)	661.0 (244.0)
11	356.0 (174.0)	58.9 (28.8)	1.55 (0.76)	519.0 (254.0)	480.0 (206.0)	79.6 (34.1)	2.08 (0.89)	720.0 (309.0)
12	485.0 (228.0)	80.3 (37.8)	2.11 (0.99)	708.0 (333.0)	488.0 (246.0)	80.8 (40.8)	2.11 (1.07)	736.0 (371.0)
13	354.0 (147.0)	58.6 (24.4)	1.54 (0.64)	518.0 (215.0)	445.0 (169.0)	73.6 (28.0)	1.93 (0.73)	673.0 (256.0)
14	437.0 (160.0)	72.4 (26.4)	1.90 (0.69)	645.0 (235.0)	560.0 (171.0)	92.8 (28.3)	2.43 (0.74)	847.0 (258.0)
15	498.0 (164.0)	82.4 (27.2)	2.16 (0.71)	739.0 (243.0)	655.0 (167.0)	108.0 (27.7)	2.84 (0.72)	989.0 (252.0)
16	463.0 (98.6)	76.7 (16.3)	2.01 (0.43)	692.0 (147.0)	682.0 (105.0)	113.0 (17.3)	2.95 (0.45)	1030.0 (158.0)
17	534.0 (147.0)	88.3 (24.4)	2.32 (0.64)	803.0 (221.0)	709.0 (155.0)	117.0 (25.7)	3.07 (0.67)	1070.0 (234.0)
18	574.0 (140.0)	95.1 (23.1)	2.50 (0.61)	870.0 (212.0)	902.0 (126.0)	149.0 (20.9)	3.91 (0.55)	1360.0 (190.0)
19	525.0 (189.0)	86.9 (31.3)	2.28 (0.82)	801.0 (288.0)	696.0 (180.0)	115.0 (29.8)	3.01 (0.78)	1050.0 (271.0)
20	379.0 (124.0)	62.8 (20.5)	1.65 (0.54)	581.0 (190.0)	552.0 (140.0)	91.3 (23.2)	2.39 (0.61)	830.0 (210.0)
21	341.0 (128.0)	56.5 (21.2)	1.48 (0.56)	523.0 (196.0)	462.0 (101.0)	76.5 (16.7)	2.00 (0.44)	696.0 (152.0)
22	532.0 (176.0)	88.0 (29.1)	2.31 (0.76)	815.0 (269.0)	632.0 (200.0)	105.0 (33.1)	2.74 (0.87)	954.0 (301.0)
23	409.0 (181.0)	67.8 (30.0)	1.78 (0.79)	627.0 (278.0)	456.0 (175.0)	75.6 (28.9)	1.98 (0.76)	689.0 (264.0)
24								
25	412.0 (212.0)	68.2 (35.1)	1.79 (0.92)	631.0 (325.0)	313.0 (145.0)	51.8 (24.0)	1.36 (0.63)	474.0 (219.0)
26	610.0 (180.0)	101.0 (29.9)	2.65 (0.79)	935.0 (277.0)	500.0 (164.0)	82.7 (27.1)	2.17 (0.71)	757.0 (248.0)
27	553.0 (211.0)	91.6 (35.0)	2.41 (0.92)	845.0 (323.0)	465.0 (184.0)	77.1 (30.5)	2.02 (0.80)	702.0 (278.0)
28	446.0 (186.0)	73.9 (30.9)	1.94 (0.81)	675.0 (282.0)	337.0 (178.0)	55.7 (29.5)	1.46 (0.77)	503.0 (266.0)
29	395.0 (180.0)	65.4 (29.7)	1.72 (0.78)	592.0 (270.0)	358.0 (168.0)	59.3 (27.7)	1.55 (0.73)	531.0 (248.0)
30	428.0 (165.0)	70.9 (27.4)	1.86 (0.72)	637.0 (246.0)	414.0 (173.0)	68.6 (28.7)	1.79 (0.75)	608.0 (255.0)
31	444.0 (174.0)	73.5 (28.9)	1.93 (0.76)	654.0 (257.0)	478.0 (186.0)	79.2 (30.9)	2.07 (0.81)	696.0 (271.0)
Avg	430.0	71.1	1.87	641.0	588.0	97.4	2.55	872.0
n	30	30	30	30.0	30	30	30	30.0
SD	94.4	15.6	0.41	147.0	171.0	28.2	0.74	245.0
Min	165.0	27.3	0.72	240.0	313.0	51.8	1.36	474.0
Max	610.0	101	2.65	935.0	963.0	159.0	4.17	1390.0

Table F8. Daily means (SD) of hydrogen sulfide emissions at site IN2B for November, 2007.

Day	House 6				House 7			
	$g \cdot d^{-1}$	$mg \cdot d^{-1} m^{-2}$	$mg \cdot d^{-1} hd^{-1}$	$mg \cdot d^{-1} AU^{-1}$	$g \cdot d^{-1}$	$mg\ d^{-1} m^{-2}$	$mg\ d^{-1} hd^{-1}$	$mg\ d^{-1} AU^{-1}$
1	382.0 (183.0)	63.2 (30.2)	1.66 (0.80)	558.0 (267.0)	419.0 (224.0)	69.4 (37.1)	1.82 (0.97)	605.0 (324.0)
2	429.0 (197.0)	71.1 (32.5)	1.87 (0.86)	622.0 (285.0)	312.0 (172.0)	51.7 (28.5)	1.35 (0.75)	447.0 (247.0)
3	371.0 (161.0)	61.4 (26.6)	1.62 (0.70)	537.0 (232.0)	322.0 (148.0)	53.3 (24.5)	1.40 (0.64)	461.0 (212.0)
4	360.0 (165.0)	59.7 (27.3)	1.57 (0.72)	525.0 (240.0)	370.0 (153.0)	61.2 (25.3)	1.60 (0.66)	533.0 (220.0)
5	391.0 (154.0)	64.8 (25.6)	1.71 (0.67)	574.0 (226.0)	355.0 (157.0)	58.7 (26.1)	1.54 (0.68)	516.0 (229.0)
6	318.0 (201.0)	52.6 (33.3)	1.38 (0.88)	469.0 (297.0)	329.0 (205.0)	54.5 (33.9)	1.43 (0.89)	483.0 (300.0)
7					473.0 (178.0)	78.3 (29.5)	2.05 (0.77)	698.0 (263.0)
8	427.0 (166.0)	70.6 (27.5)	1.86 (0.73)	639.0 (249.0)				
9					518.0 (187.0)	85.8 (31.0)	2.25 (0.81)	777.0 (281.0)
10	403.0 (196.0)	66.8 (32.5)	1.76 (0.86)	610.0 (297.0)	420.0 (187.0)	69.6 (31.0)	1.82 (0.81)	633.0 (281.0)
11	450.0 (161.0)	74.5 (26.6)	1.96 (0.70)	681.0 (243.0)	387.0 (160.0)	64.1 (26.4)	1.68 (0.69)	582.0 (240.0)
12	591.0 (234.0)	97.8 (38.7)	2.58 (1.02)	893.0 (353.0)	607.0 (227.0)	101.0 (37.6)	2.63 (0.98)	913.0 (341.0)
13	531.0 (201.0)	87.9 (33.2)	2.32 (0.88)	803.0 (304.0)	573.0 (222.0)	94.9 (36.8)	2.49 (0.97)	862.0 (335.0)
14	535.0 (170.0)	88.6 (28.2)	2.33 (0.74)	808.0 (257.0)	592.0 (220.0)	98.1 (36.5)	2.57 (0.96)	890.0 (331.0)
15								
16	354.0 (177.0)	58.6 (29.4)	1.55 (0.77)	535.0 (268.0)	251.0 (102.0)	41.5 (16.8)	1.09 (0.44)	376.0 (153.0)
17	282.0 (119.0)	46.7 (19.7)	1.23 (0.52)	426.0 (180.0)	277.0 (107.0)	45.9 (17.7)	1.20 (0.46)	417.0 (160.0)
18	280.0 (119.0)	46.4 (19.7)	1.22 (0.52)	423.0 (179.0)	214.0 (76.1)	35.4 (12.6)	0.93 (0.33)	321.0 (114.0)
19	386.0 (159.0)	64.0 (26.3)	1.69 (0.69)	583.0 (239.0)	237.0 (106.0)	39.2 (17.5)	1.03 (0.46)	355.0 (159.0)
20	569.0 (164.0)	94.3 (27.1)	2.49 (0.72)	859.0 (247.0)	429.0 (143.0)	71.0 (23.6)	1.86 (0.62)	643.0 (214.0)
21	571.0 (233.0)	94.5 (38.7)	2.49 (1.02)	860.0 (352.0)				
22	345.0 (154.0)	57.1 (25.5)	1.51 (0.67)	520.0 (232.0)				
23	307.0 (220.0)	50.8 (36.5)	1.34 (0.96)	462.0 (332.0)	167.0 (93.0)	27.6 (15.4)	0.72 (0.40)	249.0 (139.0)
24								
25	231.0 (132.0)	38.3 (21.8)	1.01 (0.57)	349.0 (198.0)	128.0 (51.3)	21.1 (8.5)	0.55 (0.22)	192.0 (77.0)
26	202.0 (94.0)	33.4 (15.6)	0.88 (0.41)	305.0 (142.0)	134.0 (59.1)	22.2 (9.8)	0.58 (0.26)	202.0 (88.9)
27	226.0 (175.0)	37.4 (28.9)	0.99 (0.76)	342.0 (264.0)	22.3 (49.1)	3.7 (8.1)	0.10 (0.21)	33.7 (74.0)
28	115.0 (104.0)	19.1 (17.1)	0.50 (0.45)	174.0 (157.0)	14.0 (47.5)	2.3 (7.9)	0.06 (0.21)	21.3 (71.8)
29	287.0 (189.0)	47.5 (31.4)	1.25 (0.83)	435.0 (287.0)	33.1 (38.9)	5.5 (6.5)	0.14 (0.17)	50.1 (59.0)
30	87.1 (84.3)	14.4 (14.0)	0.38 (0.37)	132.0 (128.0)	18.2 (38.8)	3.0 (6.4)	0.08 (0.17)	27.7 (58.9)
Avg	363.0	60.1	1.58	543.0	304.0	50.3	1.32	452.0
n	26	26	26	26.0	25	25	25	25.0
SD	130.0	21.5	0.57	196.0	178.0	29.5	0.77	266.0
Min	87.1	14.4	0.38	132.0	14.0	2.3	0.06	21.3
Max	591.0	98	2.58	893.0	607.0	101.0	2.63	913.0

Table F8. Daily means (SD) of hydrogen sulfide emissions at site IN2B for January, 2008.

Day	House 6				House 7			
	$g \cdot d^{-1}$	$mg \cdot d^{-1} m^{-2}$	$mg \cdot d^{-1} hd^{-1}$	$mg \cdot d^{-1} AU^{-1}$	$g \cdot d^{-1}$	$mg\ d^{-1} m^{-2}$	$mg\ d^{-1} hd^{-1}$	$mg\ d^{-1} AU^{-1}$
1								
2								
3								
4								
5								
6								
7								
8								
9								
10								
11								
12	-26.7 (16.7)	-4.4 (2.8)	-0.12 (0.07)	-42.2 (26.5)	-34.4 (19.6)			-53.4 (30.4)
13	-18.7 (15.4)	-3.1 (2.6)	-0.08 (0.07)	-29.6 (24.4)	-38.5 (20.5)			-59.8 (31.8)
14	-4.7 (12.2)	-0.8 (2.0)	-0.02 (0.05)	-7.5 (19.4)	-30.7 (18.8)			-47.9 (29.2)
15	-7.1 (22.4)	-1.2 (3.7)	-0.03 (0.10)	-11.3 (35.5)	-32.9 (18.2)			-51.5 (28.5)
16	-46.8 (30.1)	-7.8 (5.0)	-0.21 (0.13)	-74.5 (47.9)	-39.6 (25.6)			-62.2 (40.1)
17								
18								
19								
20								
21								
22								
23								
24								
25								
26								
27								
28								
29								
30								
31								
Avg	-20.8	-3.4	-0.09	-33.0	-35.2			-54.9
n	5	5	5	5.0	5	0	0	5.0
SD	15.3	2.5	0.07	24.2	3.4			5.3
Min	-46.8	-7.8	-0.21	-74.5	-39.6			-62.2
Max	-4.7	-1	-0.02	-7.5	-30.7			-47.9

Table F8. Daily means (SD) of hydrogen sulfide emissions at site IN2B for May, 2008.

Day	House 6				House 7			
	$g \cdot d^{-1}$	$mg \cdot d^{-1} m^{-2}$	$mg \cdot d^{-1} hd^{-1}$	$mg \cdot d^{-1} AU^{-1}$	$g \cdot d^{-1}$	$mg\ d^{-1} m^{-2}$	$mg\ d^{-1} hd^{-1}$	$mg\ d^{-1} AU^{-1}$
1								
2								
3	164.0 (74.9)	27.1 (12.4)	0.74 (0.34)	298.0 (137.0)	502.0 (156.0)	83.1 (25.8)	2.26 (0.70)	772.0 (240.0)
4	120.0 (42.5)	19.8 (7.0)	0.54 (0.19)	216.0 (77.0)	399.0 (133.0)	66.1 (22.0)	1.80 (0.60)	614.0 (204.0)
5	100.0 (53.4)	16.6 (8.9)	0.46 (0.24)	181.0 (96.2)	406.0 (122.0)	67.3 (20.2)	1.83 (0.55)	624.0 (187.0)
6	94.3 (83.6)	15.6 (13.8)	0.43 (0.38)	169.0 (150.0)	394.0 (97.5)	65.2 (16.1)	1.77 (0.44)	604.0 (150.0)
7	390.0 (262.0)	64.6 (43.4)	1.77 (1.19)	692.0 (464.0)	538.0 (170.0)	89.1 (28.1)	2.42 (0.76)	825.0 (261.0)
8	192.0 (92.0)	31.8 (15.2)	0.87 (0.42)	339.0 (163.0)	304.0 (133.0)	50.3 (22.0)	1.37 (0.60)	466.0 (204.0)
9	158.0 (63.9)	26.2 (10.6)	0.72 (0.29)	277.0 (112.0)	329.0 (121.0)	54.5 (20.1)	1.48 (0.55)	504.0 (186.0)
10	99.3 (39.5)	16.4 (6.6)	0.45 (0.18)	174.0 (69.1)	339.0 (114.0)	56.1 (18.9)	1.52 (0.52)	518.0 (175.0)
11	196.0 (90.7)	32.5 (15.0)	0.89 (0.41)	345.0 (159.0)	370.0 (136.0)	61.3 (22.5)	1.67 (0.61)	565.0 (207.0)
12	104.0 (81.6)	17.3 (13.5)	0.47 (0.37)	184.0 (144.0)	320.0 (132.0)	53.0 (21.8)	1.44 (0.59)	487.0 (201.0)
13					366.0 (132.0)			
14	313.0 (160.0)	51.9 (26.6)	1.42 (0.73)	556.0 (285.0)	306.0 (101.0)	50.6 (16.8)	1.38 (0.46)	464.0 (154.0)
15	172.0 (60.6)	28.4 (10.0)	0.78 (0.28)	306.0 (108.0)	270.0 (115.0)	44.7 (19.0)	1.22 (0.52)	409.0 (174.0)
16	199.0 (70.6)	32.9 (11.7)	0.90 (0.32)	355.0 (126.0)	279.0 (114.0)	46.2 (18.9)	1.26 (0.51)	422.0 (172.0)
17	198.0 (94.0)	32.7 (15.6)	0.90 (0.43)	353.0 (168.0)	320.0 (104.0)	53.0 (17.2)	1.44 (0.47)	484.0 (157.0)
18	182.0 (71.5)	30.2 (11.8)	0.83 (0.33)	325.0 (128.0)	253.0 (99.3)	41.9 (16.4)	1.14 (0.45)	383.0 (150.0)
19	173.0 (59.9)	28.7 (9.9)	0.79 (0.27)	308.0 (106.0)				
20	206.0 (77.7)	34.2 (12.9)	0.94 (0.35)	366.0 (138.0)	247.0 (89.0)	40.9 (14.7)	1.11 (0.40)	375.0 (135.0)
21	178.0 (60.3)	29.4 (10.0)	0.81 (0.28)	314.0 (107.0)	228.0 (85.5)	37.8 (14.2)	1.03 (0.39)	346.0 (130.0)
22					271.0 (92.7)	44.8 (15.4)	1.22 (0.42)	412.0 (141.0)
23								
24	224.0 (60.5)	37.1 (10.0)	1.02 (0.28)	392.0 (106.0)	275.0 (88.3)	45.5 (14.6)	1.24 (0.40)	418.0 (134.0)
25	249.0 (72.7)	41.3 (12.0)	1.14 (0.33)	434.0 (127.0)	310.0 (78.8)	51.3 (13.1)	1.40 (0.36)	472.0 (120.0)
26								
27								
28	239.0 (72.4)	39.6 (12.0)	1.09 (0.33)	411.0 (124.0)	257.0 (84.7)	42.6 (14.0)	1.16 (0.38)	391.0 (129.0)
29	224.0 (59.1)	37.2 (9.8)	1.02 (0.27)	385.0 (101.0)	255.0 (74.2)	42.2 (12.3)	1.15 (0.34)	387.0 (113.0)
30	726.0 (466.0)	120.0 (77.2)	3.31 (2.13)	1240.0 (794.0)	552.0 (364.0)	91.5 (60.4)	2.49 (1.65)	837.0 (552.0)
31	426.0 (227.0)	70.5 (37.6)	1.94 (1.04)	723.0 (385.0)	322.0 (335.0)	53.3 (55.4)	1.45 (1.51)	488.0 (507.0)
Avg	222.0	36.8	1.01	389.0	336.0	55.5	1.51	511.0
n	24	24	24	24.0	25	24	24	24.0
SD	133.0	22.0	0.61	225.0	86.7	14.6	0.40	136.0
Min	94.3	15.6	0.43	169.0	228.0	37.8	1.03	346.0
Max	726.0	120	3.31	1240.0	552.0	91.5	2.49	837.0

Table F8. Daily means (SD) of hydrogen sulfide emissions at site IN2B for June, 2008.

Day	House 6				House 7			
	$g \cdot d^{-1}$	$mg \cdot d^{-1} m^{-2}$	$mg \cdot d^{-1} hd^{-1}$	$mg \cdot d^{-1} AU^{-1}$	$g \cdot d^{-1}$	$mg\ d^{-1} m^{-2}$	$mg\ d^{-1} hd^{-1}$	$mg\ d^{-1} AU^{-1}$
1	398.0 (87.8)	66.0 (14.5)	1.82 (0.40)	672.0 (148.0)	348.0 (73.6)	57.6 (12.2)	1.57 (0.33)	528.0 (112.0)
2	346.0 (115.0)	57.3 (19.0)	1.58 (0.52)	580.0 (192.0)	365.0 (113.0)	60.4 (18.8)	1.65 (0.51)	554.0 (172.0)
3	440.0 (156.0)	72.9 (25.9)	2.01 (0.71)	734.0 (260.0)	264.0 (138.0)	43.7 (22.9)	1.19 (0.62)	401.0 (210.0)
4	-116.0 (459.0)	-19.3 (76.0)	-0.53 (2.10)	-192.0 (760.0)	-395.0 (317.0)	-65.3 (52.4)		-601.0 (482.0)
5								
6								
7								
8								
9								
10	243.0 (88.1)	40.2 (14.6)	1.11 (0.40)	387.0 (141.0)	166.0 (48.2)	27.5 (8.0)	0.75 (0.22)	255.0 (73.9)
11								
12	739.0 (364.0)	122.0 (60.3)	3.38 (1.66)	1160.0 (571.0)	385.0 (210.0)	63.7 (34.8)	1.74 (0.95)	592.0 (323.0)
13	650.0 (317.0)	108.0 (52.5)	2.97 (1.45)	1020.0 (495.0)	448.0 (241.0)	74.2 (39.8)	2.03 (1.09)	690.0 (370.0)
14	290.0 (123.0)	48.0 (20.4)	1.33 (0.56)	451.0 (191.0)	231.0 (72.3)	38.3 (12.0)	1.05 (0.33)	356.0 (111.0)
15	278.0 (104.0)	46.0 (17.2)	1.27 (0.48)	431.0 (161.0)	250.0 (72.4)	41.4 (12.0)	1.13 (0.33)	384.0 (111.0)
16	225.0 (69.0)	37.2 (11.4)	1.03 (0.32)	348.0 (107.0)	229.0 (70.6)	37.9 (11.7)	1.04 (0.32)	351.0 (108.0)
17	179.0 (60.1)	29.6 (10.0)	0.82 (0.28)	277.0 (93.0)	207.0 (88.4)	34.3 (14.6)	0.94 (0.40)	317.0 (135.0)
18	179.0 (48.7)	29.7 (8.1)	0.82 (0.22)	277.0 (75.2)	188.0 (64.7)	31.1 (10.7)	0.85 (0.29)	287.0 (98.8)
19	195.0 (61.2)	32.3 (10.1)	0.89 (0.28)	301.0 (94.3)	209.0 (70.5)	34.6 (11.7)	0.95 (0.32)	319.0 (108.0)
20	143.0 (55.1)	23.7 (9.1)	0.66 (0.25)	221.0 (84.8)	158.0 (55.3)	26.2 (9.2)	0.72 (0.25)	241.0 (84.3)
21	281.0 (104.0)	46.5 (17.1)	1.29 (0.47)	431.0 (159.0)	203.0 (74.9)	33.6 (12.4)	0.92 (0.34)	309.0 (114.0)
22								
23								
24								
25								
26								
27	61.6 (98.6)	10.2 (16.3)	0.28 (0.45)	93.3 (149.0)	246.0 (167.0)	40.7 (27.7)	1.11 (0.76)	376.0 (256.0)
28	97.9 (141.0)	16.2 (23.3)	0.45 (0.65)	148.0 (213.0)	71.8 (161.0)	11.9 (26.6)	0.33 (0.73)	110.0 (246.0)
29	305.0 (69.3)	50.6 (11.5)	1.40 (0.32)	464.0 (105.0)	258.0 (78.3)	42.8 (13.0)	1.17 (0.36)	396.0 (120.0)
30	269.0 (72.3)	44.6 (12.0)	1.24 (0.33)	411.0 (110.0)	221.0 (74.1)	36.5 (12.3)	1.00 (0.34)	338.0 (114.0)
Avg	274.0	45.4	1.25	432.0	213.0	35.3	1.12	326.0
n	19	19	19	19.0	19	19	18	19.0
SD	189.0	31.3	0.87	303.0	167.0	27.6	0.40	255.0
Min	-116.0	-19.3	-0.53	-192.0	-395.0	-65.3	0.33	-601.0
Max	739.0	122	3.38	1160.0	448.0	74.2	2.03	690.0

Table F8. Daily means (SD) of hydrogen sulfide emissions at site IN2B for July, 2008.

Day	House 6				House 7			
	$g \cdot d^{-1}$	$mg \cdot d^{-1} m^{-2}$	$mg \cdot d^{-1} hd^{-1}$	$mg \cdot d^{-1} AU^{-1}$	$g \cdot d^{-1}$	$mg\ d^{-1} m^{-2}$	$mg\ d^{-1} hd^{-1}$	$mg\ d^{-1} AU^{-1}$
1	228.0 (58.6)	37.8 (9.7)	1.05 (0.27)	350.0 (89.8)	227.0 (75.3)	37.6 (12.5)	1.03 (0.34)	348.0 (115.0)
2	286.0 (145.0)	47.4 (24.0)	1.32 (0.67)	440.0 (223.0)	178.0 (88.1)	29.5 (14.6)	0.81 (0.40)	273.0 (135.0)
3	297.0 (69.4)	49.1 (11.5)	1.36 (0.32)	458.0 (107.0)	234.0 (73.4)	38.7 (12.2)	1.06 (0.33)	359.0 (113.0)
4	217.0 (51.2)	36.0 (8.5)	1.00 (0.24)	336.0 (79.2)	161.0 (50.8)	26.6 (8.4)	0.73 (0.23)	246.0 (77.9)
5	233.0 (62.7)	38.5 (10.4)	1.07 (0.29)	361.0 (97.4)	200.0 (68.8)	33.2 (11.4)	0.91 (0.31)	307.0 (105.0)
6	264.0 (81.7)	43.7 (13.5)	1.21 (0.38)	410.0 (127.0)	254.0 (92.6)	42.0 (15.3)	1.15 (0.42)	389.0 (142.0)
7								
8	344.0 (157.0)	57.0 (25.9)	1.58 (0.72)	536.0 (244.0)	311.0 (122.0)	51.5 (20.2)	1.41 (0.55)	476.0 (187.0)
9	235.0 (69.2)	38.9 (11.5)	1.08 (0.32)	366.0 (108.0)	186.0 (82.9)	30.8 (13.7)	0.85 (0.38)	284.0 (127.0)
10	168.0 (57.4)	27.8 (9.5)	0.77 (0.26)	263.0 (89.8)	191.0 (48.0)	31.6 (7.9)	0.87 (0.22)	292.0 (73.3)
11	317.0 (201.0)	52.6 (33.3)	1.46 (0.93)	496.0 (315.0)	307.0 (148.0)	50.8 (24.5)	1.40 (0.67)	469.0 (226.0)
12	242.0 (150.0)	40.0 (24.8)	1.11 (0.69)	378.0 (235.0)	268.0 (140.0)	44.4 (23.2)	1.22 (0.64)	409.0 (214.0)
13	163.0 (53.1)	27.0 (8.8)	0.75 (0.24)	255.0 (83.1)				
14	201.0 (62.8)	33.3 (10.4)	0.92 (0.29)	314.0 (98.3)				
15	135.0 (73.2)	22.4 (12.1)	0.62 (0.34)	212.0 (115.0)	197.0 (62.8)	32.7 (10.4)	0.90 (0.29)	301.0 (95.9)
16								
17	214.0 (146.0)	35.5 (24.2)	0.99 (0.67)	336.0 (229.0)	223.0 (127.0)	37.0 (21.0)	1.02 (0.58)	341.0 (194.0)
18	148.0 (84.2)	24.6 (13.9)	0.68 (0.39)	232.0 (132.0)	204.0 (128.0)	33.8 (21.1)	0.93 (0.58)	312.0 (195.0)
19	11.1 (144.0)	1.8 (23.8)	0.05 (0.66)	17.4 (225.0)	11.0 (84.1)	1.8 (13.9)	0.05 (0.38)	16.8 (129.0)
20	82.7 (96.4)	13.7 (16.0)	0.38 (0.44)	130.0 (151.0)	10.6 (72.2)	1.8 (12.0)	0.05 (0.33)	16.2 (110.0)
21	29.6 (92.8)	4.9 (15.4)	0.14 (0.43)	46.4 (146.0)	12.7 (104.0)	2.1 (17.2)	0.06 (0.47)	19.3 (158.0)
22	215.0 (89.5)	35.6 (14.8)	0.99 (0.41)	337.0 (140.0)	155.0 (77.4)	25.7 (12.8)	0.71 (0.35)	236.0 (118.0)
23	291.0 (156.0)	48.1 (25.8)	1.34 (0.72)	456.0 (244.0)				
24	210.0 (86.7)	34.8 (14.4)	0.97 (0.40)	329.0 (136.0)				
25	172.0 (148.0)	28.5 (24.4)	0.80 (0.68)	270.0 (232.0)	152.0 (56.5)	25.1 (9.4)	0.69 (0.26)	231.0 (85.9)
26	116.0 (64.5)	19.2 (10.7)	0.54 (0.30)	182.0 (101.0)	89.1 (60.6)	14.8 (10.0)	0.41 (0.28)	135.0 (92.0)
27	178.0 (50.9)	29.5 (8.4)	0.82 (0.24)	279.0 (79.8)	220.0 (65.2)	36.5 (10.8)	1.00 (0.30)	334.0 (98.9)
28	168.0 (49.5)	27.8 (8.2)	0.78 (0.23)	263.0 (77.5)	223.0 (48.7)	37.0 (8.1)	1.02 (0.22)	338.0 (73.6)
29	570.0 (546.0)	94.4 (90.5)	2.63 (2.52)	891.0 (855.0)	239.0 (192.0)	39.5 (31.8)	1.09 (0.88)	361.0 (290.0)
30	340.0 (218.0)	56.2 (36.0)	1.57 (1.00)	531.0 (340.0)	244.0 (58.7)	40.4 (9.7)	1.11 (0.27)	368.0 (88.6)
31	140.0 (82.6)	23.2 (13.7)	0.65 (0.38)	219.0 (129.0)	125.0 (103.0)	20.7 (17.0)	0.57 (0.47)	188.0 (154.0)
Avg	214.0	35.5	0.99	334.0	185.0	30.6	0.84	282.0
n	29	29	29	29.0	25	25	25	25.0
SD	105.0	17.4	0.48	164.0	80.9	13.4	0.37	124.0
Min	11.1	1.8	0.05	17.4	10.6	1.8	0.05	16.2
Max	570.0	94	2.63	891.0	311.0	51.5	1.41	476.0

Table F8. Daily means (SD) of hydrogen sulfide emissions at site IN2B for August, 2008.

Day	House 6				House 7			
	$g \cdot d^{-1}$	$mg \cdot d^{-1} m^{-2}$	$mg \cdot d^{-1} hd^{-1}$	$mg \cdot d^{-1} AU^{-1}$	$g \cdot d^{-1}$	$mg\ d^{-1} m^{-2}$	$mg\ d^{-1} hd^{-1}$	$mg\ d^{-1} AU^{-1}$
1	146.0 (103.0)	24.1 (17.1)	0.67 (0.48)	227.0 (161.0)	3.1 (113.0)	0.5 (18.8)	0.01 (0.52)	4.7 (170.0)
2	203.0 (69.1)	33.6 (11.4)	0.94 (0.32)	317.0 (108.0)				
3	180.0 (62.9)	29.8 (10.4)	0.83 (0.29)	281.0 (98.3)				
4	174.0 (158.0)	28.7 (26.1)	0.80 (0.73)	271.0 (247.0)	109.0 (78.4)	18.0 (13.0)	0.50 (0.36)	163.0 (117.0)
5	159.0 (131.0)	26.4 (21.8)	0.74 (0.61)	249.0 (206.0)	105.0 (61.9)	17.4 (10.2)	0.48 (0.28)	157.0 (92.7)
6	199.0 (52.5)	33.0 (8.7)	0.92 (0.24)	313.0 (82.3)	117.0 (38.2)	19.3 (6.3)	0.53 (0.17)	175.0 (57.1)
7	210.0 (60.7)	34.8 (10.1)	0.97 (0.28)	330.0 (95.3)	92.9 (27.8)	15.4 (4.6)	0.43 (0.13)	139.0 (41.6)
8								
9	352.0 (106.0)	58.2 (17.6)	1.63 (0.49)	553.0 (167.0)	131.0 (43.2)	21.6 (7.2)	0.60 (0.20)	197.0 (65.1)
10					97.6 (32.4)	16.2 (5.4)	0.45 (0.15)	150.0 (49.5)
11	376.0 (111.0)	62.3 (18.4)	1.74 (0.51)	592.0 (175.0)	131.0 (45.9)	21.7 (7.6)	0.60 (0.21)	205.0 (72.1)
12	301.0 (79.1)	49.8 (13.1)	1.39 (0.37)	473.0 (125.0)	108.0 (57.6)	17.8 (9.6)	0.49 (0.26)	172.0 (91.7)
13								
14								
15	440.0 (144.0)	72.8 (23.8)	2.04 (0.67)	692.0 (226.0)	144.0 (44.2)	23.9 (7.3)	0.66 (0.20)	246.0 (75.2)
16	393.0 (144.0)	65.2 (23.8)	1.82 (0.67)	620.0 (227.0)	153.0 (93.1)	25.4 (15.4)	0.70 (0.43)	264.0 (160.0)
17	429.0 (146.0)	71.0 (24.2)	1.99 (0.68)	676.0 (231.0)	219.0 (57.7)	36.3 (9.6)	1.01 (0.26)	380.0 (99.7)
18	404.0 (162.0)	66.9 (26.9)	1.87 (0.75)	637.0 (256.0)	179.0 (142.0)	29.6 (23.5)	0.82 (0.65)	310.0 (246.0)
19	397.0 (127.0)	65.8 (21.1)	1.84 (0.59)	626.0 (201.0)	190.0 (113.0)	31.5 (18.7)	0.87 (0.52)	331.0 (197.0)
20	478.0 (194.0)	79.1 (32.1)	2.21 (0.90)	753.0 (306.0)	92.7 (55.4)	15.4 (9.2)	0.43 (0.25)	162.0 (96.8)
21								
22	350.0 (182.0)	58.0 (30.1)	1.62 (0.84)	553.0 (287.0)				
23	421.0 (128.0)	69.8 (21.3)	1.95 (0.60)	665.0 (203.0)	382.0 (156.0)	63.3 (25.9)	1.75 (0.72)	675.0 (276.0)
24	438.0 (145.0)	72.5 (24.0)	2.03 (0.67)	690.0 (229.0)	211.0 (141.0)	34.9 (23.4)	0.97 (0.65)	374.0 (250.0)
25	519.0 (287.0)	86.0 (47.5)	2.41 (1.33)	820.0 (453.0)	137.0 (51.5)	22.7 (8.5)	0.63 (0.24)	244.0 (91.5)
26	425.0 (129.0)	70.4 (21.4)	1.97 (0.60)	672.0 (204.0)	120.0 (50.3)	19.9 (8.3)	0.55 (0.23)	215.0 (89.8)
27	460.0 (148.0)	76.2 (24.6)	2.14 (0.69)	727.0 (234.0)	180.0 (117.0)	29.8 (19.3)	0.83 (0.54)	322.0 (209.0)
28	396.0 (119.0)	65.6 (19.7)	1.84 (0.55)	626.0 (188.0)	231.0 (84.6)	38.2 (14.0)	1.06 (0.39)	415.0 (152.0)
29	341.0 (82.1)	56.4 (13.6)	1.58 (0.38)	538.0 (130.0)	107.0 (173.0)	17.7 (28.7)	0.49 (0.80)	193.0 (312.0)
30	352.0 (100.0)	58.3 (16.6)	1.64 (0.47)	556.0 (158.0)	144.0 (92.0)	23.8 (15.2)	0.66 (0.42)	260.0 (166.0)
31	373.0 (133.0)	61.7 (22.1)	1.73 (0.62)	589.0 (211.0)	125.0 (88.9)	20.6 (14.7)	0.57 (0.41)	225.0 (160.0)
Avg	343.0	56.8	1.59	540.0	146.0	24.2	0.67	249.0
n	26	26	26	26.0	24	24	24	24.0
SD	108.0	17.9	0.50	171.0	68.8	11.4	0.32	126.0
Min	146.0	24.1	0.67	227.0	3.1	0.5	0.01	4.7
Max	519.0	86	2.41	820.0	382.0	63.3	1.75	675.0

Table F8. Daily means (SD) of hydrogen sulfide emissions at site IN2B for September, 2008.

Day	House 6				House 7			
	$g \cdot d^{-1}$	$mg \cdot d^{-1} m^{-2}$	$mg \cdot d^{-1} hd^{-1}$	$mg \cdot d^{-1} AU^{-1}$	$g \cdot d^{-1}$	$mg\ d^{-1} m^{-2}$	$mg\ d^{-1} hd^{-1}$	$mg\ d^{-1} AU^{-1}$
1	270.0 (88.6)	44.7 (14.7)	1.25 (0.41)	427.0 (140.0)	190.0 (101.0)	31.4 (16.6)	0.87 (0.46)	342.0 (181.0)
2	314.0 (96.3)	52.0 (15.9)	1.46 (0.45)	496.0 (152.0)	162.0 (178.0)	26.8 (29.4)	0.74 (0.82)	292.0 (320.0)
3	446.0 (117.0)	73.8 (19.4)	2.07 (0.55)	705.0 (186.0)	179.0 (110.0)	29.7 (18.3)	0.82 (0.51)	323.0 (199.0)
4	496.0 (112.0)	82.1 (18.6)	2.30 (0.52)	784.0 (178.0)	298.0 (163.0)	49.3 (27.0)	1.37 (0.75)	535.0 (293.0)
5	309.0 (102.0)	51.2 (16.9)	1.44 (0.47)	489.0 (161.0)	331.0 (106.0)	54.8 (17.5)	1.52 (0.49)	594.0 (190.0)
6	361.0 (172.0)	59.8 (28.4)	1.68 (0.80)	571.0 (272.0)	174.0 (101.0)	28.9 (16.7)	0.80 (0.47)	314.0 (182.0)
7	376.0 (134.0)	62.2 (22.1)	1.75 (0.62)	595.0 (211.0)	182.0 (60.5)	30.2 (10.0)	0.84 (0.28)	330.0 (109.0)
8	381.0 (117.0)	63.1 (19.4)	1.77 (0.54)	603.0 (185.0)	186.0 (64.5)	30.8 (10.7)	0.86 (0.30)	338.0 (117.0)
9	358.0 (110.0)	59.3 (18.3)	1.67 (0.51)	567.0 (175.0)	47.4 (58.5)	7.9 (9.7)	0.22 (0.27)	86.4 (107.0)
10	446.0 (145.0)	73.8 (24.0)	2.07 (0.68)	706.0 (230.0)	51.8 (24.5)	8.6 (4.1)	0.24 (0.11)	95.1 (44.8)
11	485.0 (254.0)	80.3 (42.1)	2.26 (1.18)	768.0 (403.0)	178.0 (128.0)	29.5 (21.1)	0.82 (0.59)	329.0 (236.0)
12					486.0 (109.0)	80.4 (18.1)	2.24 (0.50)	899.0 (202.0)
13	302.0 (240.0)	50.1 (39.8)	1.41 (1.12)	479.0 (381.0)	394.0 (271.0)	65.3 (44.8)	1.81 (1.25)	729.0 (500.0)
14	316.0 (108.0)	52.3 (17.8)	1.47 (0.50)	501.0 (171.0)	435.0 (206.0)	72.0 (34.1)	2.00 (0.95)	796.0 (377.0)
15	452.0 (167.0)	74.8 (27.7)	2.11 (0.78)	716.0 (265.0)	299.0 (107.0)	49.6 (17.7)	1.38 (0.49)	543.0 (194.0)
16	453.0 (154.0)	75.0 (25.6)	2.11 (0.72)	719.0 (245.0)	227.0 (85.9)	37.6 (14.2)	1.05 (0.40)	408.0 (154.0)
17	589.0 (311.0)	97.5 (51.5)	2.75 (1.45)	934.0 (494.0)	296.0 (136.0)	49.0 (22.6)	1.36 (0.63)	528.0 (243.0)
18								
19								
20	642.0 (214.0)	106.0 (35.5)	3.00 (1.00)	1020.0 (340.0)	322.0 (111.0)	53.3 (18.3)	1.48 (0.51)	561.0 (193.0)
21	811.0 (245.0)	134.0 (40.6)	3.79 (1.15)	1290.0 (389.0)	251.0 (97.3)	41.6 (16.1)	1.16 (0.45)	435.0 (169.0)
22	645.0 (217.0)	107.0 (35.9)	3.01 (1.01)	1020.0 (343.0)	336.0 (161.0)	55.7 (26.7)	1.55 (0.74)	579.0 (277.0)
23	588.0 (221.0)	97.3 (36.6)	2.74 (1.03)	930.0 (350.0)	259.0 (75.0)	42.9 (12.4)	1.20 (0.35)	444.0 (129.0)
24	527.0 (159.0)	87.2 (26.3)	2.46 (0.74)	833.0 (251.0)	287.0 (115.0)	47.5 (19.1)	1.32 (0.53)	489.0 (196.0)
25	524.0 (183.0)	86.7 (30.3)	2.45 (0.86)	828.0 (289.0)	326.0 (166.0)	54.0 (27.6)	1.50 (0.77)	553.0 (282.0)
26	431.0 (165.0)	71.4 (27.3)	2.01 (0.77)	681.0 (261.0)	264.0 (84.6)	43.7 (14.0)	1.22 (0.39)	445.0 (143.0)
27	393.0 (154.0)	65.0 (25.5)	1.84 (0.72)	621.0 (244.0)	224.0 (67.1)	37.2 (11.1)	1.03 (0.31)	376.0 (113.0)
28	337.0 (159.0)	55.8 (26.3)	1.57 (0.74)	534.0 (252.0)	168.0 (86.8)	27.9 (14.4)	0.78 (0.40)	280.0 (144.0)
29	270.0 (93.4)	44.8 (15.5)	1.26 (0.44)	430.0 (149.0)	262.0 (105.0)	43.4 (17.4)	1.21 (0.49)	432.0 (173.0)
30	321.0 (125.0)	53.1 (20.7)	1.50 (0.58)	512.0 (200.0)	277.0 (86.8)	45.8 (14.4)	1.28 (0.40)	453.0 (142.0)
Avg	439.0	72.6	2.05	695.0	253.0	42.0	1.17	447.0
n	27	27	27	27.0	28	28	28	28.0
SD	130.0	21.6	0.61	206.0	97.9	16.2	0.45	178.0
Min	270.0	44.7	1.25	427.0	47.4	7.9	0.22	86.4
Max	811.0	134	3.79	1290.0	486.0	80.4	2.24	899.0

Table F8. Daily means (SD) of hydrogen sulfide emissions at site IN2B for October, 2008.

Day	House 6				House 7			
	$g \cdot d^{-1}$	$mg \cdot d^{-1} m^{-2}$	$mg \cdot d^{-1} hd^{-1}$	$mg \cdot d^{-1} AU^{-1}$	$g \cdot d^{-1}$	$mg\ d^{-1} m^{-2}$	$mg\ d^{-1} hd^{-1}$	$mg\ d^{-1} AU^{-1}$
1	370.0 (123.0)	61.3 (20.4)	1.73 (0.58)	593.0 (197.0)	225.0 (82.9)	37.3 (13.7)	1.04 (0.38)	366.0 (134.0)
2	379.0 (126.0)	62.7 (20.9)	1.77 (0.59)	608.0 (203.0)	211.0 (74.6)	34.9 (12.4)	0.97 (0.34)	340.0 (120.0)
3	356.0 (112.0)	58.9 (18.5)	1.67 (0.52)	574.0 (180.0)	182.0 (66.2)	30.1 (11.0)	0.84 (0.31)	290.0 (106.0)
4								
5								
6								
7								
8								
9	355.0 (156.0)	58.8 (25.9)	1.66 (0.73)	568.0 (249.0)	321.0 (93.4)	53.2 (15.5)	1.48 (0.43)	503.0 (146.0)
10	406.0 (131.0)	67.3 (21.7)	1.90 (0.61)	648.0 (209.0)	319.0 (103.0)	52.8 (17.0)	1.47 (0.47)	498.0 (160.0)
11	507.0 (194.0)	84.0 (32.2)	2.38 (0.91)	809.0 (310.0)	469.0 (226.0)	77.7 (37.4)	2.16 (1.04)	731.0 (352.0)
12	496.0 (164.0)	82.2 (27.2)	2.33 (0.77)	792.0 (262.0)	371.0 (112.0)	61.4 (18.5)	1.71 (0.52)	579.0 (174.0)
13	507.0 (218.0)	83.9 (36.0)	2.38 (1.02)	808.0 (347.0)				
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31								
Avg	422.0	69.9	1.98	675.0	300.0	49.6	1.38	473.0
n	8	8	8	8.0	7	7	7	7.0
SD	64.8	10.7	0.31	102.0	94.0	15.6	0.43	143.0
Min	355.0	58.8	1.66	568.0	182.0	30.1	0.84	290.0
Max	507.0	84	2.38	809.0	469.0	77.7	2.16	731.0

Table F8. Daily means (SD) of hydrogen sulfide emissions at site IN2B for November, 2008.

Day	House 6				House 7			
	$g \cdot d^{-1}$	$mg \cdot d^{-1} m^{-2}$	$mg \cdot d^{-1} hd^{-1}$	$mg \cdot d^{-1} AU^{-1}$	$g \cdot d^{-1}$	$mg\ d^{-1} m^{-2}$	$mg\ d^{-1} hd^{-1}$	$mg\ d^{-1} AU^{-1}$
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26	63.5 (42.4)	10.5 (7.0)	0.30 (0.20)	105.0 (70.1)	61.1 (22.8)	10.1 (3.8)	0.28 (0.11)	93.4 (34.9)
27	56.9 (26.1)	9.4 (4.3)	0.27 (0.12)	93.9 (43.0)	58.1 (22.3)	9.6 (3.7)	0.27 (0.10)	88.9 (34.1)
28	64.1 (39.3)	10.6 (6.5)	0.30 (0.19)	106.0 (64.6)	65.1 (26.8)	10.8 (4.4)	0.30 (0.13)	99.5 (41.0)
29	83.1 (42.6)	13.8 (7.1)	0.39 (0.20)	137.0 (70.2)	74.2 (27.8)	12.3 (4.6)	0.35 (0.13)	114.0 (42.5)
30	70.1 (24.0)	11.6 (4.0)	0.33 (0.11)	116.0 (39.6)	63.1 (25.9)	10.4 (4.3)	0.29 (0.12)	96.7 (39.7)
Avg	67.6	11.2	0.32	111.0	64.3	10.7	0.30	98.4
n	5	5	5	5.0	5	5	5	5.0
SD	8.8	1.5	0.04	14.5	5.5	0.9	0.03	8.4
Min	56.9	9.4	0.27	93.9	58.1	9.6	0.27	88.9
Max	83.1	14	0.39	137.0	74.2	12.3	0.35	114.0

Table F8. Daily means (SD) of hydrogen sulfide emissions at site IN2B for December, 2008.

Day	House 6				House 7			
	$g \cdot d^{-1}$	$mg \cdot d^{-1} m^{-2}$	$mg \cdot d^{-1} hd^{-1}$	$mg \cdot d^{-1} AU^{-1}$	$g \cdot d^{-1}$	$mg\ d^{-1} m^{-2}$	$mg\ d^{-1} hd^{-1}$	$mg\ d^{-1} AU^{-1}$
1	47.5 (27.2)	7.9 (4.5)	0.23 (0.13)	78.4 (44.9)	15.8 (17.8)	2.6 (3.0)	0.07 (0.08)	24.3 (27.3)
2								
3	33.5 (16.2)	5.6 (2.7)	0.16 (0.08)	55.5 (26.8)	27.6 (11.6)	4.6 (1.9)	0.13 (0.05)	42.6 (18.0)
4	28.0 (30.7)	4.6 (5.1)	0.13 (0.15)	46.5 (50.9)	7.3 (12.6)	1.2 (2.1)	0.03 (0.06)	11.2 (19.4)
5	61.4 (68.1)	10.2 (11.3)	0.29 (0.32)	102.0 (113.0)	-6.3 (7.6)	-1.0 (1.3)	-0.03 (0.04)	-9.7 (11.7)
6	38.1 (30.6)	6.3 (5.1)	0.18 (0.15)	63.3 (50.8)	0.1 (7.6)	0.0 (1.3)	0.00 (0.04)	0.2 (11.8)
7	27.6 (29.1)	4.6 (4.8)	0.13 (0.14)	45.8 (48.3)	-7.6 (9.4)	-1.3 (1.6)	-0.04 (0.04)	-11.7 (14.6)
8	27.0 (19.9)	4.5 (3.3)	0.13 (0.09)	44.8 (33.1)	24.5 (16.7)	4.1 (2.8)	0.11 (0.08)	37.8 (25.8)
9	6.3 (19.5)	1.0 (3.2)	0.03 (0.09)	10.4 (32.4)	1.8 (20.2)	0.3 (3.3)	0.01 (0.09)	2.8 (31.1)
10	29.5 (22.8)	4.9 (3.8)	0.14 (0.11)	49.0 (37.9)	45.2 (28.9)	7.5 (4.8)	0.21 (0.13)	69.5 (44.4)
11								
12	181.0 (167.0)	29.9 (27.6)	0.86 (0.79)	301.0 (278.0)	114.0 (117.0)	18.9 (19.3)	0.53 (0.54)	175.0 (179.0)
13	28.6 (23.4)	4.7 (3.9)	0.14 (0.11)	47.5 (38.9)	29.4 (18.3)	4.9 (3.0)	0.14 (0.09)	45.1 (28.0)
14	5.1 (29.3)	0.9 (4.9)	0.02 (0.14)	8.5 (48.7)	25.0 (28.4)	4.1 (4.7)	0.12 (0.13)	38.3 (43.6)
15					5.3 (16.6)	0.9 (2.8)	0.02 (0.08)	8.1 (25.5)
16								
17					99.8 (193.0)	16.5 (31.9)	0.47 (0.90)	153.0 (296.0)
18	311.0 (163.0)	51.5 (27.0)	1.48 (0.78)	515.0 (270.0)	371.0 (213.0)	61.5 (35.2)	1.73 (0.99)	570.0 (326.0)
19								
20								
21								
22								
23								
24								
25								
26								
27								
28					479.0 (183.0)	79.3 (30.3)	2.24 (0.86)	741.0 (283.0)
29	513.0 (140.0)	85.0 (23.3)	2.45 (0.67)	842.0 (230.0)	526.0 (174.0)	87.1 (28.7)	2.46 (0.81)	814.0 (269.0)
30	519.0 (133.0)	85.9 (22.0)	2.48 (0.63)	849.0 (217.0)	543.0 (184.0)	89.9 (30.4)	2.54 (0.86)	840.0 (285.0)
31	510.0 (191.0)	84.5 (31.6)	2.44 (0.91)	834.0 (312.0)	527.0 (212.0)	87.2 (35.1)	2.46 (0.99)	815.0 (328.0)
Avg	148.0	24.5	0.71	243.0	149.0	24.6	0.70	230.0
n	16	16	16	16.0	19	19	19	19.0
SD	191.0	31.7	0.91	313.0	208.0	34.5	0.97	322.0
Min	5.1	0.9	0.02	8.5	-7.6	-1.3	-0.04	-11.7
Max	519.0	86	2.48	849.0	543.0	89.9	2.54	840.0

Table F8. Daily means (SD) of hydrogen sulfide emissions at site IN2B for January, 2009.

Day	House 6				House 7			
	$g \cdot d^{-1}$	$mg \cdot d^{-1} m^{-2}$	$mg \cdot d^{-1} hd^{-1}$	$mg \cdot d^{-1} AU^{-1}$	$g \cdot d^{-1}$	$mg\ d^{-1} m^{-2}$	$mg\ d^{-1} hd^{-1}$	$mg\ d^{-1} AU^{-1}$
1	466.0 (116.0)	77.2 (19.2)	2.23 (0.55)	761.0 (189.0)	481.0 (210.0)	79.6 (34.8)	2.25 (0.98)	745.0 (326.0)
2	506.0 (140.0)	83.9 (23.1)	2.42 (0.67)	825.0 (227.0)	524.0 (208.0)	86.7 (34.4)	2.45 (0.97)	811.0 (322.0)
3	531.0 (152.0)	87.9 (25.1)	2.54 (0.73)	865.0 (247.0)	532.0 (216.0)	88.1 (35.8)	2.49 (1.01)	824.0 (335.0)
4	568.0 (308.0)	94.1 (51.0)	2.72 (1.47)	926.0 (501.0)	577.0 (326.0)	95.5 (54.0)	2.70 (1.53)	892.0 (505.0)
5	540.0 (145.0)	89.4 (24.0)	2.59 (0.69)	880.0 (236.0)	524.0 (214.0)	86.8 (35.5)	2.45 (1.00)	811.0 (331.0)
6	502.0 (123.0)	83.1 (20.3)	2.41 (0.59)	818.0 (200.0)	492.0 (170.0)	81.5 (28.1)	2.31 (0.80)	761.0 (262.0)
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31								
Avg	519.0	86.0	2.49	846.0	522.0	86.4	2.44	807.0
n	6	6	6	6.0	6	6	6	6.0
SD	32.3	5.4	0.16	52.2	30.8	5.1	0.14	47.7
Min	466.0	77.2	2.23	761.0	481.0	79.6	2.25	745.0
Max	568.0	94	2.72	926.0	577.0	95.5	2.70	892.0

Table F8. Daily means (SD) of hydrogen sulfide emissions at site IN2B for February, 2009.

Day	House 6				House 7			
	$g \cdot d^{-1}$	$mg \cdot d^{-1} m^{-2}$	$mg \cdot d^{-1} hd^{-1}$	$mg \cdot d^{-1} AU^{-1}$	$g \cdot d^{-1}$	$mg\ d^{-1} m^{-2}$	$mg\ d^{-1} hd^{-1}$	$mg\ d^{-1} AU^{-1}$
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11								
12								
13	65.9 (30.5)	10.9 (5.1)	0.32 (0.15)	106.0 (49.1)	152.0 (51.4)	25.2 (8.5)	0.72 (0.24)	237.0 (79.8)
14	80.1 (31.1)	13.3 (5.2)	0.39 (0.15)	129.0 (50.2)	208.0 (49.8)	34.4 (8.2)	0.99 (0.24)	323.0 (77.3)
15	79.8 (41.8)	13.2 (6.9)	0.39 (0.20)	129.0 (67.6)	184.0 (47.9)	30.5 (7.9)	0.88 (0.23)	287.0 (74.4)
16	65.7 (34.1)	10.9 (5.6)	0.32 (0.17)	107.0 (55.3)	202.0 (45.5)	33.4 (7.5)	0.96 (0.22)	314.0 (70.9)
17	50.9 (23.2)	8.4 (3.8)	0.25 (0.11)	82.7 (37.8)	190.0 (45.6)	31.5 (7.6)	0.91 (0.22)	297.0 (71.1)
18	73.9 (42.1)	12.2 (7.0)	0.36 (0.21)	121.0 (68.7)	234.0 (75.2)	38.8 (12.5)	1.12 (0.36)	366.0 (117.0)
19	-2.5 (39.8)	-0.4 (6.6)	-0.01 (0.19)	-4.1 (65.1)	56.5 (82.2)	9.4 (13.6)	0.27 (0.39)	88.4 (128.0)
20	20.0 (10.2)	3.3 (1.7)	0.10 (0.05)	32.9 (16.8)	84.7 (27.3)	14.0 (4.5)	0.40 (0.13)	133.0 (42.8)
21	32.9 (16.7)	5.4 (2.8)	0.16 (0.08)	54.0 (27.4)	83.1 (31.3)	13.8 (5.2)	0.40 (0.15)	130.0 (49.0)
22	23.5 (9.5)	3.9 (1.6)	0.11 (0.05)	38.6 (15.6)	75.8 (34.6)	12.6 (5.7)	0.36 (0.17)	119.0 (54.1)
23	24.0 (16.9)	4.0 (2.8)	0.12 (0.08)	39.4 (27.8)	38.4 (24.9)	6.4 (4.1)	0.18 (0.12)	59.9 (38.9)
24	27.4 (13.2)	4.5 (2.2)	0.13 (0.06)	45.0 (21.6)	40.1 (16.7)	6.6 (2.8)	0.19 (0.08)	62.5 (26.0)
25	59.6 (41.4)	9.9 (6.9)	0.29 (0.20)	97.7 (67.9)	81.8 (56.5)	13.5 (9.4)	0.39 (0.27)	127.0 (87.9)
26	13.3 (16.2)	2.2 (2.7)	0.06 (0.08)	21.8 (26.6)	44.1 (42.1)	7.3 (7.0)	0.21 (0.20)	68.5 (65.3)
27	-8.7 (32.3)	-1.4 (5.4)	-0.04 (0.16)	-14.2 (52.9)	4.9 (29.7)	0.8 (4.9)	0.02 (0.14)	7.6 (46.1)
28	18.3 (8.1)	3.0 (1.3)	0.09 (0.04)	29.8 (13.2)	31.3 (15.4)	5.2 (2.6)	0.15 (0.07)	48.5 (23.9)
Avg	39.0	6.5	0.19	63.4	107.0	17.7	0.51	167.0
n	16	16	16	16.0	16	16	16	16.0
SD	28.1	4.7	0.14	45.5	72.9	12.1	0.35	113.0
Min	-8.7	-1.4	-0.04	-14.2	4.9	0.8	0.02	7.6
Max	80.1	13	0.39	129.0	234.0	38.8	1.12	366.0

Table F8. Daily means (SD) of hydrogen sulfide emissions at site IN2B for March, 2009.

Day	House 6				House 7			
	$g \cdot d^{-1}$	$mg \cdot d^{-1} m^{-2}$	$mg \cdot d^{-1} hd^{-1}$	$mg \cdot d^{-1} AU^{-1}$	$g \cdot d^{-1}$	$mg\ d^{-1} m^{-2}$	$mg\ d^{-1} hd^{-1}$	$mg\ d^{-1} AU^{-1}$
1	13.1 (11.1)	2.2 (1.8)	0.06 (0.05)	21.3 (18.0)	20.4 (14.9)	3.4 (2.5)	0.10 (0.07)	31.6 (23.1)
2	14.4 (10.8)	2.4 (1.8)	0.07 (0.05)	23.3 (17.4)	39.7 (21.2)	6.6 (3.5)	0.19 (0.10)	61.5 (32.9)
3	28.1 (17.2)	4.7 (2.9)	0.14 (0.08)	45.0 (27.5)	31.4 (11.2)	5.2 (1.9)	0.15 (0.05)	48.7 (17.4)
4	37.0 (21.8)	6.1 (3.6)	0.18 (0.11)	58.9 (34.7)	31.2 (14.2)	5.2 (2.4)	0.15 (0.07)	48.4 (22.0)
5	158.0 (125.0)	26.2 (20.7)	0.77 (0.61)	250.0 (197.0)	157.0 (111.0)	26.0 (18.4)	0.75 (0.53)	244.0 (172.0)
6	116.0 (64.1)	19.3 (10.6)	0.57 (0.31)	183.0 (101.0)	118.0 (59.0)	19.6 (9.8)	0.57 (0.28)	183.0 (91.6)
7	108.0 (122.0)	17.8 (20.3)	0.53 (0.60)	169.0 (191.0)	67.8 (118.0)	11.2 (19.5)	0.32 (0.56)	105.0 (183.0)
8	56.8 (99.5)	9.4 (16.5)	0.28 (0.49)	88.6 (155.0)	3.3 (89.3)	0.5 (14.8)	0.02 (0.43)	5.1 (139.0)
9	98.7 (37.4)	16.3 (6.2)	0.48 (0.18)	153.0 (58.1)	51.5 (20.8)	8.5 (3.4)	0.25 (0.10)	80.0 (32.3)
10								
11	41.3 (22.9)	6.8 (3.8)	0.20 (0.11)	63.8 (35.3)	42.6 (18.6)	7.1 (3.1)	0.20 (0.09)	66.3 (28.9)
12	50.5 (22.6)	8.4 (3.8)	0.25 (0.11)	77.8 (34.8)	34.7 (14.6)	5.8 (2.4)	0.17 (0.07)	54.0 (22.7)
13	37.2 (25.2)	6.2 (4.2)	0.18 (0.12)	57.1 (38.7)	28.8 (10.1)	4.8 (1.7)	0.14 (0.05)	44.8 (15.7)
14	50.0 (23.2)	8.3 (3.8)	0.25 (0.11)	76.9 (35.8)	39.8 (13.0)	6.6 (2.2)	0.19 (0.06)	61.9 (20.2)
15	92.6 (54.7)	15.3 (9.1)	0.45 (0.27)	144.0 (85.2)	86.4 (60.1)	14.3 (10.0)	0.41 (0.29)	134.0 (93.5)
16	130.0 (81.5)	21.5 (13.5)	0.64 (0.40)	204.0 (128.0)	148.0 (124.0)	24.6 (20.6)	0.71 (0.60)	231.0 (193.0)
17	210.0 (127.0)	34.8 (21.0)	1.03 (0.62)	332.0 (200.0)	239.0 (151.0)	39.6 (25.0)	1.15 (0.72)	373.0 (235.0)
18								
19	100.0 (44.9)	16.6 (7.4)	0.49 (0.22)	161.0 (72.0)	122.0 (41.1)	20.1 (6.8)	0.58 (0.20)	189.0 (64.0)
20	44.4 (30.6)	7.4 (5.1)	0.22 (0.15)	72.0 (49.8)	97.9 (47.8)	16.2 (7.9)	0.47 (0.23)	153.0 (74.5)
21	83.8 (54.5)	13.9 (9.0)	0.41 (0.27)	136.0 (88.6)	106.0 (51.3)	17.5 (8.5)	0.51 (0.25)	165.0 (79.9)
22	77.9 (27.6)	12.9 (4.6)	0.38 (0.14)	127.0 (44.8)	145.0 (38.8)	24.0 (6.4)	0.70 (0.19)	226.0 (60.4)
23	64.4 (34.2)	10.7 (5.7)	0.32 (0.17)	105.0 (55.5)	101.0 (40.3)	16.7 (6.7)	0.49 (0.19)	157.0 (62.7)
24	101.0 (89.9)	16.7 (14.9)	0.50 (0.44)	164.0 (146.0)	189.0 (89.2)	31.3 (14.8)	0.91 (0.43)	294.0 (139.0)
25	113.0 (57.9)	18.7 (9.6)	0.56 (0.29)	183.0 (93.9)	135.0 (70.6)	22.4 (11.7)	0.65 (0.34)	210.0 (110.0)
26	104.0 (49.6)	17.3 (8.2)	0.51 (0.24)	169.0 (80.4)	129.0 (54.1)	21.3 (9.0)	0.62 (0.26)	200.0 (84.0)
27	139.0 (77.0)	23.1 (12.7)	0.69 (0.38)	226.0 (125.0)	142.0 (65.5)	23.6 (10.8)	0.68 (0.32)	221.0 (102.0)
28	90.6 (84.5)	15.0 (14.0)			77.0 (46.1)	12.8 (7.6)	0.37 (0.22)	120.0 (71.7)
29	31.2 (24.7)	5.2 (4.1)			31.0 (16.2)	5.1 (2.7)	0.15 (0.08)	48.3 (25.2)
30	73.3 (48.7)	12.1 (8.1)			94.9 (64.8)	15.7 (10.7)	0.46 (0.31)	148.0 (101.0)
31	93.3 (34.9)	15.5 (5.8)			63.1 (26.6)	10.5 (4.4)	0.30 (0.13)	99.0 (41.7)
Avg	81.4	13.5	0.41	132.0	88.7	14.7	0.43	138.0
n	29	29	25	25.0	29	29	29	29.0
SD	44.5	7.4	0.23	74.3	56.1	9.3	0.27	87.3
Min	13.1	2.2	0.06	21.3	3.3	0.5	0.02	5.1
Max	210.0	35	1.03	332.0	239.0	39.6	1.15	373.0

Table F8. Daily means (SD) of hydrogen sulfide emissions at site IN2B for April, 2009.

Day	House 6				House 7			
	$g \cdot d^{-1}$	$mg \cdot d^{-1} m^{-2}$	$mg \cdot d^{-1} hd^{-1}$	$mg \cdot d^{-1} AU^{-1}$	$g \cdot d^{-1}$	$mg\ d^{-1} m^{-2}$	$mg\ d^{-1} hd^{-1}$	$mg\ d^{-1} AU^{-1}$
1	42.5 (28.3)	7.0 (4.7)			95.9 (59.8)	15.9 (9.9)	0.46 (0.29)	151.0 (94.2)
2					263.0 (140.0)	43.6 (23.2)	1.27 (0.68)	415.0 (221.0)
3	13.4 (8.4)	2.2 (1.4)			78.4 (33.6)	13.0 (5.6)	0.38 (0.16)	124.0 (53.1)
4	26.4 (8.4)	4.4 (1.4)			107.0 (49.2)	17.7 (8.2)	0.52 (0.24)	169.0 (77.6)
5					65.8 (29.6)	10.9 (4.9)	0.32 (0.14)	104.0 (46.7)
6					50.0 (15.8)	8.3 (2.6)	0.24 (0.08)	78.4 (24.7)
7	42.4 (38.4)	7.0 (6.4)			48.6 (15.6)	8.0 (2.6)	0.23 (0.08)	75.7 (24.3)
8	58.2 (46.0)	9.6 (7.6)			75.8 (36.6)	12.6 (6.1)	0.37 (0.18)	118.0 (56.7)
9	85.1 (43.0)	14.1 (7.1)						
10	122.0 (53.2)	20.2 (8.8)			59.1 (33.5)	9.8 (5.6)	0.29 (0.16)	91.1 (51.7)
11	128.0 (44.7)	21.2 (7.4)			68.7 (37.7)	11.4 (6.2)	0.33 (0.18)	106.0 (58.0)
12	131.0 (40.9)	21.7 (6.8)			71.7 (35.5)	11.9 (5.9)	0.35 (0.17)	110.0 (54.7)
13	110.0 (43.8)	18.3 (7.3)			40.6 (27.1)	6.7 (4.5)	0.20 (0.13)	62.6 (41.8)
14	98.6 (37.2)	16.3 (6.2)	0.45 (0.17)	166.0 (62.6)	10.5 (5.1)	1.7 (0.9)	0.05 (0.02)	16.2 (7.9)
15								
16	134.0 (70.8)	22.1 (11.7)	0.60 (0.32)	228.0 (121.0)	124.0 (91.5)	20.5 (15.2)	0.60 (0.44)	192.0 (142.0)
17	94.2 (27.3)	15.6 (4.5)	0.42 (0.12)	162.0 (46.9)				
18	83.3 (33.9)	13.8 (5.6)	0.38 (0.15)	145.0 (58.7)	214.0 (72.9)	35.4 (12.1)	1.03 (0.35)	331.0 (113.0)
19	129.0 (45.4)	21.3 (7.5)	0.58 (0.21)	225.0 (79.9)	181.0 (85.2)	30.0 (14.1)	0.88 (0.41)	280.0 (132.0)
20	138.0 (57.9)	22.8 (9.6)	0.62 (0.26)	243.0 (102.0)	14.7 (23.9)	2.4 (4.0)	0.07 (0.12)	22.7 (36.9)
21	107.0 (32.9)	17.7 (5.5)	0.48 (0.15)	191.0 (58.6)	15.3 (8.4)	2.5 (1.4)	0.07 (0.04)	23.6 (13.0)
22	104.0 (31.6)	17.3 (5.2)	0.47 (0.14)	187.0 (56.9)	47.9 (50.3)	7.9 (8.3)	0.23 (0.24)	73.7 (77.3)
23					108.0 (56.7)	17.8 (9.4)	0.52 (0.27)	165.0 (86.9)
24	193.0 (57.6)	31.9 (9.5)	0.87 (0.26)	352.0 (105.0)	237.0 (102.0)	39.3 (16.8)	1.15 (0.49)	364.0 (156.0)
25	182.0 (54.3)	30.1 (9.0)	0.82 (0.25)	331.0 (99.2)	213.0 (60.3)	35.3 (10.0)	1.03 (0.29)	327.0 (92.5)
26	240.0 (97.0)	39.7 (16.1)	1.08 (0.44)	429.0 (174.0)	180.0 (70.6)	29.7 (11.7)	0.87 (0.34)	276.0 (108.0)
27	202.0 (34.2)	33.4 (5.7)	0.91 (0.15)	355.0 (60.9)	184.0 (49.1)	30.4 (8.1)	0.89 (0.24)	283.0 (75.6)
28	191.0 (38.7)	31.6 (6.4)	0.86 (0.18)	330.0 (66.9)	216.0 (65.7)	35.7 (10.9)	1.05 (0.32)	333.0 (101.0)
29	205.0 (49.6)	33.9 (8.2)	0.92 (0.22)	349.0 (84.0)	106.0 (31.6)	17.5 (5.2)	0.51 (0.15)	164.0 (48.8)
30								
Avg	119.0	19.7	0.68	264.0	111.0	18.3	0.53	171.0
n	24	24	14	14.0	26	26	26	26.0
SD	58.9	9.8	0.22	87.9	73.9	12.2	0.36	114.0
Min	13.4	2.2	0.38	145.0	10.5	1.7	0.05	16.2
Max	240.0	40	1.08	429.0	263.0	43.6	1.27	415.0

Table F8. Daily means (SD) of hydrogen sulfide emissions at site IN2B for May, 2009.

Day	House 6				House 7			
	$g \cdot d^{-1}$	$mg \cdot d^{-1} m^{-2}$	$mg \cdot d^{-1} hd^{-1}$	$mg \cdot d^{-1} AU^{-1}$	$g \cdot d^{-1}$	$mg\ d^{-1} m^{-2}$	$mg\ d^{-1} hd^{-1}$	$mg\ d^{-1} AU^{-1}$
1	257.0 (109.0)	42.6 (18.1)	1.16 (0.49)	427.0 (182.0)	82.4 (127.0)	13.6 (21.1)	0.40 (0.62)	128.0 (198.0)
2								
3								
4								
5								
6	227.0 (51.8)	37.7 (8.6)	1.03 (0.23)	376.0 (85.6)	199.0 (57.8)	32.9 (9.6)	0.97 (0.28)	308.0 (89.6)
7	147.0 (141.0)	24.3 (23.4)	0.66 (0.64)	243.0 (234.0)	107.0 (66.3)	17.8 (11.0)	0.52 (0.32)	166.0 (103.0)
8	150.0 (117.0)	24.9 (19.4)	0.68 (0.53)	249.0 (194.0)	113.0 (103.0)	18.7 (17.0)	0.55 (0.50)	175.0 (159.0)
9	280.0 (72.2)	46.4 (12.0)	1.26 (0.33)	462.0 (120.0)	134.0 (67.8)	22.2 (11.2)	0.65 (0.33)	207.0 (105.0)
10	189.0 (50.9)	31.3 (8.4)	0.85 (0.23)	309.0 (83.5)	99.8 (30.6)	16.5 (5.1)	0.49 (0.15)	154.0 (47.2)
11	181.0 (54.0)	30.0 (8.9)	0.82 (0.24)	294.0 (87.4)	91.4 (25.5)	15.1 (4.2)	0.44 (0.12)	141.0 (39.2)
12	135.0 (61.4)	22.3 (10.2)	0.61 (0.28)	216.0 (99.0)	71.1 (20.8)	11.8 (3.5)	0.35 (0.10)	109.0 (32.0)
13								
14								
15								
16					60.8 (28.9)	10.1 (4.8)	0.30 (0.14)	92.7 (44.0)
17					94.7 (34.5)	15.7 (5.7)	0.46 (0.17)	145.0 (52.8)
18					62.6 (20.6)	10.4 (3.4)	0.31 (0.10)	96.4 (31.8)
19					78.4 (34.3)	13.0 (5.7)	0.38 (0.17)	121.0 (53.1)
20	197.0 (42.7)	32.6 (7.1)	0.89 (0.19)	303.0 (65.8)	71.7 (42.1)	11.9 (7.0)	0.35 (0.21)	111.0 (65.4)
21	258.0 (54.5)	42.8 (9.0)	1.16 (0.25)	397.0 (83.8)	112.0 (41.6)	18.5 (6.9)	0.55 (0.20)	174.0 (65.0)
22	188.0 (68.0)	31.1 (11.3)	0.85 (0.31)	288.0 (105.0)	82.0 (18.5)	13.6 (3.1)	0.40 (0.09)	129.0 (29.0)
23	209.0 (53.3)	34.7 (8.8)	0.94 (0.24)	321.0 (81.7)	118.0 (42.0)	19.5 (7.0)	0.58 (0.21)	186.0 (66.1)
24	243.0 (57.9)	40.2 (9.6)	1.10 (0.26)	372.0 (88.5)	117.0 (34.8)	19.4 (5.8)	0.57 (0.17)	184.0 (54.6)
25	212.0 (53.8)	35.1 (8.9)	0.96 (0.24)	324.0 (82.2)	94.5 (26.3)	15.6 (4.4)	0.46 (0.13)	148.0 (41.1)
26	257.0 (128.0)	42.6 (21.2)	1.16 (0.58)	392.0 (195.0)	103.0 (44.7)	17.1 (7.4)	0.51 (0.22)	161.0 (69.6)
27	333.0 (184.0)	55.2 (30.4)	1.50 (0.83)	507.0 (279.0)	157.0 (58.9)	26.0 (9.8)	0.77 (0.29)	244.0 (91.6)
28	383.0 (60.3)	63.4 (10.0)	1.73 (0.27)	581.0 (91.8)	123.0 (43.9)	20.4 (7.3)	0.60 (0.21)	192.0 (68.2)
29	372.0 (131.0)	61.6 (21.6)	1.68 (0.59)	564.0 (198.0)	156.0 (81.8)	25.9 (13.5)	0.76 (0.40)	242.0 (127.0)
30	198.0 (98.7)	32.7 (16.3)	0.89 (0.45)	299.0 (149.0)	74.7 (33.6)	12.4 (5.6)	0.37 (0.16)	115.0 (51.9)
31	209.0 (47.9)	34.7 (7.9)	0.94 (0.22)	317.0 (72.6)	92.8 (21.7)	15.4 (3.6)	0.45 (0.11)	143.0 (33.5)
Avg	231.0	38.3	1.04	362.0	104.0	17.2	0.51	161.0
n	20	20	20	20.0	24	24	24	24.0
SD	67.3	11.1	0.30	100.0	32.2	5.3	0.16	50.2
Min	135.0	22.3	0.61	216.0	60.8	10.1	0.30	92.7
Max	383.0	63	1.73	581.0	199.0	32.9	0.97	308.0

Table F9. Ammonia concentrations.

Table F9. Daily means (SD) of NH3 concentrations at site IN2H for June, 2007.

Day	Inlets		House 6		House 7	
	H6, ppm	H7, ppm	ppm	mg·dsm^{-3}	ppm	mg·dsm^{-3}
1	-0.6 (0.3)	-0.4 (0.2)	10.8 (4.4)	7.7 (3.2)	12.1 (7.3)	8.7 (5.2)
2	-0.5 (0.2)	-0.4 (0.2)				
3	-0.7 (0.6)	-0.5 (0.5)	14.6 (4.9)	10.5 (3.5)	14.4 (5.3)	10.3 (3.8)
4	-1.5 (0.5)	-0.9 (0.1)	19.2 (3.6)	13.7 (2.6)	30.0 (6.7)	21.5 (4.8)
5	-2.2 (0.1)	-0.3 (0.1)	28.9 (7.3)	20.6 (5.2)	38.9 (2.9)	27.8 (2.0)
6	-0.6 (1.1)	-0.2 (0.4)	26.7 (11.1)	19.1 (7.9)	35.7 (13.1)	25.5 (9.3)
7	1.8 (0.9)	0.0 (0.7)	18.0 (4.3)	12.9 (3.1)	19.5 (15.0)	13.9 (10.7)
8	-0.7 (0.9)	-0.5 (0.3)	14.9 (3.0)	10.7 (2.1)	11.5 (6.4)	8.2 (4.6)
9	-0.9 (0.8)	0.3 (1.1)	13.7 (7.2)	9.8 (5.2)	24.0 (9.6)	17.1 (6.9)
10	0.5 (0.6)	1.2 (0.4)	10.3 (5.3)	7.3 (3.8)	18.6 (9.7)	13.3 (7.0)
11	-1.0 (0.6)	-0.3 (0.5)	8.5 (4.6)	6.1 (3.3)	16.3 (10.4)	11.7 (7.4)
12	-1.0 (0.6)	0.8 (0.9)	8.4 (3.5)	6.0 (2.5)	14.9 (9.3)	10.6 (6.7)
13						
14			9.9 (3.2)	7.0 (2.3)	9.1 (4.2)	6.5 (3.0)
15			8.6 (3.9)	6.1 (2.8)	10.3 (6.9)	7.4 (4.9)
16			7.8 (3.6)	5.5 (2.6)	10.7 (7.8)	7.6 (5.6)
17			5.9 (0.8)	4.2 (0.6)	8.3 (3.9)	6.0 (2.8)
18			9.0 (1.4)	6.5 (1.0)	19.6 (10.9)	14.0 (7.8)
19			9.3 (3.8)	6.6 (2.7)	13.6 (12.6)	9.8 (9.1)
20			10.0 (5.2)	7.2 (3.7)	7.2 (5.5)	5.1 (3.9)
21			8.9 (3.9)	6.4 (2.8)	4.8 (3.0)	3.5 (2.1)
22			9.6 (4.1)	6.8 (3.0)	3.9 (1.8)	2.8 (1.3)
23			12.5 (1.7)	8.9 (1.2)	7.0 (1.6)	5.0 (1.1)
24						
25						
26		1.0 (0.1)	15.2 (1.4)	11.0 (1.0)	4.9 (0.5)	3.5 (0.4)
27			16.6 (2.2)	11.9 (1.6)	6.2 (0.9)	4.5 (0.7)
28			15.1 (2.8)	10.8 (2.0)	6.3 (1.3)	4.5 (1.0)
29			15.4 (4.6)	11.1 (3.3)	9.2 (3.7)	6.6 (2.6)
30			13.3 (5.3)	9.5 (3.8)	8.9 (4.9)	6.3 (3.5)
Avg	-0.6	0	13.1	9.4	14.1	10.1
n	12	13	26	26	26	26
SD	0.9	0.6	5.4	3.9	9.1	6.5
Min	-2.2	-0.9	5.9	4.2	3.9	2.8
Max	1.8	1.2	28.9	20.6	38.9	27.8

Table F9. Daily means (SD) of NH3 concentrations at site IN2H for July, 2007.

Day	Inlets		House 6		House 7	
	H6, ppm	H7, ppm	ppm	mg·dsm^{-3}	ppm	mg·dsm^{-3}
1			10.7 (3.4)	7.6 (2.4)	7.7 (3.6)	5.5 (2.6)
2			10.9 (3.8)	7.8 (2.7)	8.8 (5.4)	6.3 (3.9)
3			10.3 (2.3)	7.3 (1.6)	7.3 (3.7)	5.2 (2.6)
4			12.3 (2.9)	8.8 (2.0)	6.2 (1.5)	4.5 (1.1)
5			14.1 (3.6)	10.1 (2.6)	8.5 (2.3)	6.1 (1.6)
6			13.4 (3.8)	9.6 (2.7)	10.7 (4.4)	7.7 (3.1)
7			11.9 (3.9)	8.5 (2.8)	10.8 (6.8)	7.7 (4.9)
8			11.4 (0.9)	8.2 (0.7)	7.3 (1.8)	5.2 (1.3)
9	1.2 (0.3)	0.9 (0.2)	12.0 (0.8)	8.6 (0.6)	6.7 (0.5)	4.8 (0.4)
10	1.1 (0.2)	1.0 (0.1)	11.7 (1.0)	8.4 (0.7)	7.1 (0.8)	5.1 (0.6)
11	0.3 (0.1)	0.5 (0.5)	13.7 (3.8)	9.8 (2.7)	12.8 (5.4)	9.1 (3.9)
12	0.0 (0.2)	0.4 (0.2)	17.7 (7.7)	12.7 (5.5)	15.7 (8.8)	11.2 (6.3)
13	0.6 (0.2)	1.0 (0.2)	16.5 (3.7)	11.8 (2.7)	17.2 (8.0)	12.3 (5.8)
14	0.8 (0.2)	0.8 (0.5)	17.2 (5.7)	12.3 (4.1)	15.4 (10.6)	11.0 (7.6)
15	0.6 (0.3)	1.7 (0.3)	15.8 (3.4)	11.3 (2.4)	14.0 (6.4)	10.0 (4.6)
16	0.9 (0.5)	1.4 (0.1)				
17	0.8 (0.1)	1.2 (0.1)				
18	0.7 (0.3)	1.0 (0.1)	14.6 (2.6)	10.5 (1.8)	11.2 (3.5)	8.0 (2.5)
19	0.4 (0.2)	1.0 (0.0)	15.4 (2.0)	11.1 (1.4)	14.8 (5.3)	10.6 (3.8)
20	-0.1 (0.2)	1.0 (0.1)	18.5 (5.9)	13.2 (4.2)	19.6 (8.2)	14.0 (5.8)
21	0.1 (0.2)	1.2 (0.5)	12.8 (4.4)	9.1 (3.2)	19.7 (9.8)	14.1 (7.0)
22	-0.1 (0.2)	1.2 (0.3)	9.5 (3.6)	6.8 (2.6)	16.6 (9.4)	11.9 (6.7)
23	0.1 (0.2)	1.1 (0.4)	9.2 (2.8)	6.6 (2.0)	15.7 (8.8)	11.2 (6.3)
24	0.8 (0.3)	1.0 (0.2)	6.6 (3.7)	4.7 (2.6)	13.5 (8.4)	9.6 (6.0)
25	0.2 (0.3)	1.0 (0.1)				
26	0.9 (0.4)	1.5 (0.4)	8.8 (1.9)	6.3 (1.4)	15.4 (6.7)	11.1 (4.8)
27			8.6 (1.6)	6.2 (1.1)		
28			4.6 (1.3)	3.3 (0.9)	9.7 (3.4)	7.0 (2.5)
29			4.7 (1.5)	3.4 (1.0)	9.4 (3.6)	6.7 (2.6)
30						
31						
Avg	0.5	1.1	12	8.6	12.1	8.6
n	18	18	26	26	25	25
SD	0.4	0.3	3.6	2.6	4.1	2.9
Min	-0.1	0.4	4.6	3.3	6.2	4.5
Max	1.2	1.7	18.5	13.2	19.7	14.1

Table F9. Daily means (SD) of NH3 concentrations at site IN2H for August, 2007.

Day	Inlets		House 6		House 7	
	H6, ppm	H7, ppm	ppm	mg·dsm^{-3}	ppm	mg·dsm^{-3}
1	0.4 (0.3)	1.2 (0.4)				
2	0.8 (0.7)	1.3 (0.7)	3.0 (0.3)	2.1 (0.2)	6.1 (1.4)	4.4 (1.0)
3			3.1 (0.7)	2.3 (0.5)	4.6 (1.7)	3.3 (1.2)
4			4.3 (2.0)	3.1 (1.4)	2.4 (0.5)	1.7 (0.3)
5			4.1 (0.3)	2.9 (0.2)	1.9 (0.7)	1.4 (0.5)
6			5.0 (0.6)	3.6 (0.4)	3.7 (1.0)	2.7 (0.7)
7			6.6 (1.0)	4.8 (0.8)	5.1 (0.8)	3.7 (0.6)
8	2.1 (0.9)	0.8 (0.3)			4.8 (1.2)	3.4 (0.9)
9	1.8 (0.4)	1.7 (0.4)			3.8 (0.9)	2.7 (0.7)
10	0.8 (0.2)	0.9 (0.3)	5.1 (0.3)	3.7 (0.2)	4.9 (1.0)	3.5 (0.7)
11	1.1 (1.6)	1.3 (1.7)	4.3 (0.7)	3.1 (0.5)	3.4 (0.8)	2.4 (0.6)
12	19.3 (6.9)	19.2 (6.5)				
13			16.5 (6.4)	11.9 (4.7)	16.9 (6.5)	12.1 (4.7)
14			5.1 (1.0)	3.6 (0.7)	3.5 (0.3)	2.5 (0.2)
15			6.2 (1.5)	4.4 (1.1)	3.9 (0.5)	2.8 (0.4)
16			9.1 (2.2)	6.6 (1.5)	6.8 (1.2)	4.9 (0.9)
17			15.3 (7.3)	11.0 (5.2)	8.8 (4.2)	6.3 (3.0)
18	-0.7 (0.2)	0.0 (0.3)	18.5 (8.9)	13.2 (6.3)	7.9 (3.9)	5.6 (2.8)
19	-0.7 (0.1)	-0.3 (0.1)	16.7 (4.1)	11.9 (2.9)	7.8 (2.5)	5.6 (1.8)
20	-0.2 (0.3)	0.3 (0.3)	16.5 (2.6)	11.8 (1.9)	8.2 (2.1)	5.9 (1.5)
21	0.6 (0.4)	1.0 (0.2)	17.4 (5.7)	12.5 (4.1)	11.5 (3.6)	8.3 (2.6)
22	1.7 (0.2)	1.3 (0.1)				
23	1.4 (0.3)	1.7 (0.4)	7.2 (1.4)	5.2 (1.0)	8.7 (1.2)	6.2 (0.9)
24	1.2 (0.3)	1.1 (0.2)	6.4 (1.4)	4.6 (1.0)	8.2 (1.2)	5.9 (0.9)
25	0.4 (0.2)	1.3 (0.4)	7.0 (1.2)	5.1 (0.9)	10.3 (2.8)	7.4 (2.0)
26	0.4 (0.1)	1.4 (0.6)	7.3 (2.5)	5.2 (1.8)	14.1 (6.3)	10.1 (4.5)
27	-0.1 (0.4)	1.2 (0.6)	6.6 (2.4)	4.7 (1.7)	11.7 (5.3)	8.4 (3.8)
28	0.6 (0.5)	1.4 (0.6)	7.9 (0.7)	5.7 (0.5)	10.4 (2.1)	7.5 (1.5)
29	0.8 (0.3)	1.4 (0.6)	7.0 (0.7)	5.1 (0.5)	9.2 (1.2)	6.6 (0.8)
30	0.3 (0.3)	1.2 (0.4)	5.6 (1.1)	4.0 (0.8)	9.3 (2.6)	6.6 (1.8)
31	-0.4 (0.4)	0.3 (0.2)	7.4 (3.1)	5.3 (2.2)	9.6 (6.4)	6.8 (4.6)
Avg	1.5	1.9	8.4	6.1	7.4	5.3
n	21	21	26	26	28	28
SD	4.1	3.9	4.8	3.5	3.6	2.6
Min	-0.7	-0.3	3.0	2.1	1.9	1.4
Max	19.3	19.2	18.5	13.2	16.9	12.1

Table F9. Daily means (SD) of NH3 concentrations at site IN2H for September, 2007.

Day	Inlets		House 6		House 7	
	H6, ppm	H7, ppm	ppm	mg·dsm^{-3}	ppm	mg·dsm^{-3}
1	-0.7 (0.3)	0.1 (0.2)	9.5 (4.8)	6.8 (3.4)	5.3 (1.2)	3.8 (0.9)
2	-0.6 (0.5)	-0.1 (0.2)	9.2 (3.9)	6.6 (2.8)	5.4 (0.8)	3.9 (0.6)
3	0.6 (1.4)	0.6 (0.7)	8.6 (3.4)	6.1 (2.5)	7.1 (1.1)	5.1 (0.8)
4	0.9 (1.2)	1.0 (0.8)	7.9 (2.3)	5.6 (1.7)	8.1 (1.5)	5.8 (1.1)
5	0.7 (0.2)	1.3 (0.1)	8.1 (1.1)	5.8 (0.8)	8.8 (1.3)	6.3 (0.9)
6	0.7 (0.2)	0.7 (0.1)	6.9 (0.8)	5.0 (0.6)	7.2 (1.8)	5.2 (1.3)
7	0.7 (0.3)	0.6 (0.1)	7.7 (1.6)	5.5 (1.2)	6.0 (0.6)	4.3 (0.4)
8	0.2 (0.3)	1.1 (0.4)	11.6 (1.1)	8.4 (0.8)	7.4 (1.2)	5.3 (0.9)
9	0.5 (0.6)	1.8 (0.3)	12.5 (1.9)	9.0 (1.4)	8.8 (1.7)	6.3 (1.2)
10	0.0 (0.3)	1.1 (0.3)	12.6 (5.3)	9.1 (3.8)	8.3 (2.4)	5.9 (1.7)
11	-0.2 (0.3)	0.6 (0.5)	18.0 (5.5)	12.8 (3.9)	9.0 (2.0)	6.4 (1.5)
12	-0.3 (0.2)	0.4 (0.2)	23.9 (7.0)	17.0 (5.0)	17.3 (5.1)	12.3 (3.6)
13	0.1 (0.6)	0.8 (0.5)				
14	0.2 (0.5)	0.8 (0.4)	25.3 (7.6)	18.1 (5.4)	18.3 (3.4)	13.1 (2.5)
15	0.1 (0.3)	1.0 (0.5)	30.7 (5.4)	21.9 (3.9)	26.1 (3.9)	18.6 (2.8)
16	0.5 (0.7)	0.7 (0.2)	29.5 (9.4)	21.0 (6.7)	20.4 (5.3)	14.6 (3.8)
17	0.4 (0.2)	0.6 (0.1)	24.5 (10.9)	17.5 (7.8)	18.1 (10.2)	12.9 (7.3)
18	0.8 (0.1)	1.7 (0.7)			14.4 (6.9)	10.3 (5.0)
19	1.2 (0.6)	2.0 (0.9)				
20	0.6 (0.4)	1.7 (0.4)	16.9 (9.3)	12.1 (6.7)	13.3 (5.8)	9.5 (4.1)
21	0.5 (0.3)	1.0 (0.2)	13.4 (4.5)	10.1 (3.2)	14.4 (5.1)	10.3 (3.7)
22	0.2 (0.2)	0.9 (0.3)	20.4 (7.3)	14.5 (5.2)	10.8 (3.5)	7.7 (2.5)
23	-0.3 (0.2)	0.3 (0.3)	20.3 (9.9)	14.5 (7.1)	12.1 (6.9)	8.6 (4.9)
24	0.5 (0.8)	0.6 (0.4)	16.9 (6.8)	12.1 (4.9)	10.0 (2.2)	7.2 (1.5)
25	0.8 (0.3)	1.0 (0.1)	12.6 (2.9)	9.0 (2.1)	9.8 (1.6)	7.0 (1.2)
26	0.1 (0.1)	1.5 (0.3)	25.8 (8.0)	18.5 (5.7)	16.6 (2.5)	11.9 (1.8)
27	0.1 (0.1)	1.3 (0.4)	28.4 (10.3)	20.3 (7.4)	23.0 (7.5)	16.4 (5.4)
28	0.2 (0.3)	0.9 (0.2)	33.4 (7.0)	23.9 (5.0)	21.0 (9.2)	15.0 (6.6)
29	0.6 (0.1)	0.6 (0.2)	31.6 (13.1)	22.5 (9.3)	17.3 (8.5)	12.4 (6.1)
30	0.3 (0.2)	0.6 (0.2)	29.7 (9.8)	21.2 (7.0)	16.9 (8.9)	12.1 (6.3)
Avg	0.3	0.9	18.4	13.1	12.9	9.2
n	30	30	27	27	28	28
SD	0.4	0.5	8.6	6.1	5.7	4.1
Min	-0.7	-0.1	6.9	5.0	5.3	3.8
Max	1.2	2.0	33.4	23.9	26.1	18.6

Table F9. Daily means (SD) of NH3 concentrations at site IN2H for October, 2007.

Day	Inlets		House 6		House 7	
	H6, ppm	H7, ppm	ppm	mg·dsm^{-3}	ppm	mg·dsm^{-3}
1	0.6 (0.4)	0.8 (0.3)	29.2 (9.5)	20.9 (6.8)	14.5 (3.5)	10.4 (2.5)
2	0.6 (0.3)	1.0 (0.2)	26.8 (7.6)	19.2 (5.4)	14.8 (6.0)	10.6 (4.3)
3	0.6 (0.2)	1.6 (0.5)	19.6 (4.5)	14.0 (3.3)	13.4 (3.7)	9.6 (2.6)
4	0.3 (0.6)	1.1 (0.4)	21.9 (13.9)	15.6 (10.0)	17.9 (9.8)	12.8 (7.0)
5	0.9 (0.5)	2.2 (0.8)	18.6 (6.0)	13.3 (4.3)	13.9 (3.9)	10.0 (2.8)
6	1.6 (0.4)	2.0 (0.3)	17.3 (8.9)	12.4 (6.4)	11.6 (1.6)	8.4 (1.1)
7	1.5 (0.8)	2.1 (0.3)	12.9 (7.2)	9.3 (5.2)	11.3 (1.0)	8.1 (0.7)
8	1.6 (0.7)	1.7 (0.4)	11.3 (4.3)	8.1 (3.1)	11.3 (1.8)	8.1 (1.3)
9	1.1 (1.7)	0.6 (0.4)	8.8 (4.7)	6.3 (3.4)	16.6 (6.6)	11.8 (4.8)
10	-0.5 (0.0)	0.4 (0.2)	16.9 (8.2)	12.0 (5.8)	29.4 (3.9)	21.0 (2.8)
11	0.1 (0.4)	1.0 (0.5)	31.5 (7.0)	22.5 (5.0)	49.2 (14.9)	35.2 (10.7)
12	0.6 (0.4)	2.6 (0.7)	41.6 (9.8)	29.7 (7.0)	71.0 (7.1)	50.7 (5.1)
13	2.2 (1.1)	3.1 (0.7)	46.6 (16.2)	33.3 (11.6)	58.8 (8.5)	42.0 (6.1)
14	0.2 (0.2)	1.6 (1.0)	34.3 (9.2)	24.5 (6.6)	46.4 (11.7)	33.2 (8.4)
15	1.1 (1.0)	1.5 (0.5)	30.7 (13.5)	21.9 (9.7)	37.2 (18.3)	26.6 (13.1)
16	1.6 (0.5)	1.6 (0.3)	27.4 (7.3)	19.6 (5.3)	29.3 (4.5)	21.0 (3.2)
17	2.2 (0.8)	1.8 (0.4)	33.0 (12.9)	23.6 (9.3)	36.1 (13.4)	25.8 (9.6)
18	1.9 (0.6)	1.6 (0.1)	25.7 (8.8)	18.4 (6.3)	24.6 (6.2)	17.6 (4.5)
19	2.0 (0.3)	1.6 (0.1)	42.7 (11.4)	30.5 (8.1)	44.1 (4.5)	31.6 (3.2)
20	2.3 (0.7)	1.2 (0.5)	39.2 (16.6)	28.0 (11.8)	38.9 (12.6)	27.8 (9.1)
21	2.6 (1.5)	1.8 (0.8)	24.0 (9.5)	17.1 (6.8)	28.6 (12.2)	20.4 (8.8)
22	1.5 (1.2)	1.5 (0.4)	31.5 (7.6)	22.5 (5.4)	33.9 (7.4)	24.2 (5.3)
23	1.3 (0.9)	1.9 (0.5)	43.9 (11.6)	31.4 (8.3)	51.3 (3.4)	36.7 (2.4)
24	1.7 (0.6)	1.7 (0.4)	46.1 (10.4)	32.9 (7.5)	55.9 (7.5)	40.0 (5.4)
25	1.3 (0.6)	1.9 (0.8)	48.3 (11.1)	34.5 (8.0)	53.9 (7.8)	38.5 (5.6)
26	0.6 (0.4)	1.0 (0.2)	35.0 (9.6)	25.0 (6.8)	43.8 (12.4)	31.3 (8.9)
27	1.0 (0.7)	1.4 (0.3)	52.4 (10.0)	37.4 (7.2)	50.5 (5.9)	36.1 (4.2)
28	1.6 (1.8)	1.6 (0.8)	52.8 (9.2)	37.7 (6.6)	61.2 (14.2)	43.7 (10.2)
29	2.6 (0.7)	2.0 (0.7)	48.9 (9.3)	34.8 (6.7)	52.0 (10.0)	37.1 (7.1)
30	4.9 (2.0)	3.6 (0.9)	53.2 (11.8)	38.0 (8.4)	49.6 (7.4)	35.4 (5.3)
31	3.2 (2.6)	2.4 (1.4)	49.8 (14.1)	35.5 (10.1)	48.3 (7.5)	34.5 (5.4)
Avg	1.5	1.7	33	23.6	36.1	25.8
n	31	31	31	31	31	31
SD	1	0.7	13.1	9.4	17.3	12.3
Min	-0.5	0.4	8.8	6.3	11.3	8.1
Max	4.9	3.6	53.2	38.0	71.0	50.7

Table F9. Daily means (SD) of NH3 concentrations at site IN2H for November, 2007.

Day	Inlets		House 6		House 7	
	H6, ppm	H7, ppm	ppm	mg·dsm^{-3}	ppm	mg·dsm^{-3}
1	0.4 (0.6)	0.9 (0.3)	59.0 (20.1)	42.0 (14.3)	60.7 (11.4)	43.3 (8.1)
2	1.4 (0.4)	2.0 (1.0)	45.1 (8.1)	32.1 (5.7)	55.1 (12.3)	39.4 (8.8)
3	0.7 (0.6)	2.2 (1.5)	52.0 (12.4)	37.0 (8.9)	51.9 (9.4)	37.0 (6.7)
4	2.2 (1.0)	2.9 (1.1)	54.0 (13.5)	38.5 (9.6)	52.0 (6.9)	37.1 (4.9)
5	2.0 (2.1)	1.9 (1.2)	54.3 (9.6)	38.7 (6.8)	53.3 (8.1)	38.1 (5.8)
6	1.2 (0.6)	0.8 (0.2)	51.1 (5.6)	36.4 (4.0)	53.1 (10.1)	37.8 (7.2)
7	5.3 (1.4)	0.1 (0.5)				
8	9.7 (1.1)	0.7 (0.3)				
9	3.3 (2.0)	0.6 (0.3)	59.5 (7.5)	42.5 (5.3)	59.5 (5.4)	42.6 (3.8)
10	5.8 (2.7)	1.4 (0.7)	58.6 (8.4)	41.8 (6.0)	68.0 (9.3)	48.5 (6.7)
11	9.8 (2.3)	2.7 (0.2)	51.5 (8.0)	36.7 (5.7)	69.5 (7.8)	49.6 (5.6)
12	5.8 (1.8)	2.2 (0.2)	55.3 (9.6)	39.5 (6.9)	72.2 (4.7)	51.7 (3.4)
13	9.5 (3.1)	4.2 (0.5)	72.6 (6.4)	51.8 (4.6)	81.4 (5.7)	58.3 (4.0)
14	6.6 (2.0)	1.7 (0.8)	67.3 (5.6)	48.0 (4.0)	81.6 (8.6)	58.4 (6.2)
15	1.8 (1.1)	1.3 (0.3)				
16	5.1 (1.2)	1.6 (0.4)	76.9 (11.1)	54.8 (7.9)	82.6 (12.8)	58.9 (9.1)
17	3.8 (2.7)	1.8 (0.6)	64.5 (11.0)	46.0 (7.9)	72.0 (10.2)	51.4 (7.3)
18	2.2 (1.9)	1.3 (0.9)	60.3 (6.7)	43.0 (4.8)	76.0 (8.1)	54.3 (5.8)
19	10.4 (4.4)	4.3 (0.7)	58.4 (4.8)	41.7 (3.5)	79.3 (5.7)	56.7 (4.0)
20	9.6 (3.3)	3.2 (1.1)	64.4 (4.5)	46.1 (3.2)	93.0 (6.3)	66.7 (4.6)
21	4.0 (2.9)	2.5 (0.7)	72.4 (5.9)	51.7 (4.3)	87.1 (8.5)	62.4 (6.1)
22	1.0 (0.5)	2.2 (1.1)	83.3 (17.3)	59.3 (12.3)	95.1 (14.1)	67.9 (10.1)
23	3.9 (1.3)	0.9 (0.3)	78.4 (13.9)	55.9 (9.9)	88.0 (13.1)	62.8 (9.4)
24	7.2 (3.1)	2.5 (0.6)	69.9 (11.7)	49.8 (8.3)	82.5 (9.2)	58.9 (6.6)
25	6.8 (0.4)	2.6 (0.4)	68.5 (5.2)	48.8 (3.7)	88.2 (9.5)	63.0 (6.8)
26	5.1 (1.3)	2.0 (0.5)	72.8 (10.9)	52.0 (7.8)	83.1 (6.8)	59.4 (4.9)
27	6.0 (2.6)	2.1 (1.3)	101.0 (8.1)	71.8 (5.8)	107.0 (13.3)	76.4 (9.5)
28	13.1 (1.5)	6.4 (2.0)	103.0 (14.4)	73.3 (10.3)	124.0 (14.8)	88.8 (10.6)
29	5.5 (2.4)	2.2 (0.8)	125.0 (10.3)	88.8 (7.3)	122.0 (12.2)	87.1 (8.8)
30	7.9 (4.2)	2.2 (0.9)	120.0 (15.4)	85.5 (10.9)	130.0 (11.3)	93.0 (8.1)
Avg	5.2	2.1	70.3	50.1	80.3	57.4
n	30	30	27	27	27	27
SD	3.3	1.2	20	14.3	21.4	15.3
Min	0.4	0.1	45.1	32.1	51.9	37.0
Max	13.1	6.4	125.0	88.8	130.0	93.0

Table F9. Daily means (SD) of NH3 concentrations at site IN2H for December, 2007.

Day	Inlets		House 6		House 7	
	H6, ppm	H7, ppm	ppm	mg·dsm^{-3}	ppm	mg·dsm^{-3}
1	11.6 (2.8)	4.9 (0.9)	103.0 (20.3)	73.5 (14.4)	125.0 (17.6)	89.6 (12.5)
2	6.8 (3.7)	3.6 (1.0)	95.7 (17.2)	68.4 (12.2)	106.0 (12.5)	75.8 (8.9)
3	3.0 (1.8)	1.9 (0.2)	142.0 (12.2)	102.0 (8.7)	127.0 (14.5)	90.4 (10.4)
4	7.2 (0.4)	2.6 (0.5)	116.0 (21.9)	82.6 (15.6)	136.0 (24.6)	97.3 (17.6)
5	6.4 (2.5)	2.2 (1.2)	117.0 (12.8)	83.3 (9.2)	128.0 (13.6)	91.3 (9.8)
6	8.1 (0.6)	3.2 (0.6)				
7	7.3 (0.4)	2.2 (0.3)				
8	5.6 (0.6)	2.1 (0.4)	116.0 (15.1)	82.8 (10.8)	109.0 (32.7)	78.4 (23.0)
9	7.0 (2.9)	2.1 (0.3)	116.0 (14.0)	82.9 (10.0)	123.0 (7.7)	88.1 (5.5)
10	9.7 (1.6)	3.9 (0.7)	112.0 (11.9)	79.8 (8.5)	123.0 (14.4)	87.7 (10.3)
11	9.4 (2.6)	3.2 (0.5)	107.0 (10.3)	76.3 (7.4)	117.0 (10.8)	83.4 (7.7)
12	8.4 (3.1)	3.8 (0.7)	116.0 (8.3)	83.0 (5.9)	115.0 (12.0)	82.1 (8.6)
13	8.8 (1.9)	2.3 (0.8)	125.0 (8.4)	89.3 (6.0)	117.0 (10.7)	83.4 (7.7)
14	7.2 (2.3)	2.4 (0.9)	129.0 (19.6)	92.4 (13.9)	123.0 (11.4)	88.0 (8.1)
15						
16						
17						
18	9.2 (3.8)	4.8 (1.5)	123.0 (26.6)	88.7 (18.9)	119.0 (15.6)	86.0 (11.0)
19	6.8 (1.1)	2.9 (1.1)	127.0 (11.1)	90.6 (7.9)	125.0 (7.5)	89.1 (5.3)
20	13.4 (1.5)	6.2 (3.0)	139.0 (21.7)	99.3 (15.5)	123.0 (10.7)	87.6 (7.7)
21	11.7 (3.4)	2.5 (0.5)	125.0 (16.0)	89.3 (11.4)	117.0 (16.4)	83.8 (11.7)
22	11.0 (1.3)	5.1 (0.5)	105.0 (16.0)	75.2 (11.4)	102.0 (10.1)	73.2 (7.2)
23	3.0 (4.5)	2.4 (1.8)	107.0 (7.3)	76.4 (5.2)	91.1 (13.1)	65.0 (9.5)
24	4.5 (3.6)	1.7 (0.5)	124.0 (9.6)	88.4 (6.9)	108.0 (15.2)	76.8 (11.0)
25	7.7 (1.2)	3.2 (1.2)	121.0 (21.0)	86.7 (15.0)	118.0 (12.6)	84.2 (9.0)
26	6.9 (0.8)	2.1 (0.8)	111.0 (24.2)	79.2 (17.2)	119.0 (13.1)	85.5 (9.4)
27	5.8 (0.8)	2.0 (0.4)	109.0 (7.7)	78.1 (5.5)	127.0 (6.9)	91.0 (4.9)
28	9.9 (3.8)	3.7 (1.0)	115.0 (11.3)	82.2 (8.1)	144.0 (10.8)	103.0 (7.7)
29	8.2 (1.7)	3.3 (0.6)	137.0 (8.8)	97.9 (6.2)	158.0 (10.3)	113.0 (7.3)
30	11.5 (2.5)	4.4 (0.4)	122.0 (19.2)	87.2 (13.7)	149.0 (13.2)	107.0 (9.5)
31	9.0 (0.8)	4.5 (0.3)	111.0 (15.4)	79.5 (11.0)	145.0 (16.4)	104.0 (11.7)
Avg	8	3.2	118	84.4	123	87.9
n	28	28	26	26	26	26
SD	2.5	1.2	11	7.9	14.5	10.4
Min	3.0	1.7	95.7	68.4	91.1	65.0
Max	13.4	6.2	142.0	102.0	158.0	113.0

Table F9. Daily means (SD) of NH3 concentrations at site IN2H for January, 2008.

Day	Inlets		House 6		House 7	
	H6, ppm	H7, ppm	ppm	mg·dsm^{-3}	ppm	mg·dsm^{-3}
1	3.8 (0.5)	2.4 (0.4)				
2	4.0 (0.4)	1.9 (0.1)				
3	2.0 (0.8)	1.7 (0.6)	132.0 (31.6)	94.3 (22.6)	181.0 (21.1)	129.0 (15.1)
4	2.2 (0.4)	2.8 (0.8)	120.0 (17.6)	86.0 (12.5)	157.0 (13.2)	112.0 (9.4)
5	4.2 (1.2)	3.6 (0.5)	104.0 (15.0)	74.1 (10.7)	151.0 (7.4)	108.0 (5.3)
6	6.7 (0.6)	4.1 (0.7)	92.5 (10.0)	66.2 (7.1)	138.0 (19.1)	98.8 (13.6)
7	5.1 (0.5)	3.1 (0.2)	98.8 (8.2)	70.8 (5.9)	114.0 (14.9)	81.6 (10.7)
8	9.4 (3.3)	3.3 (0.6)	97.3 (6.4)	69.6 (4.5)	106.0 (7.1)	76.3 (5.1)
9	3.8 (1.0)	1.2 (0.2)	112.0 (15.1)	79.6 (10.8)	118.0 (11.0)	84.1 (7.9)
10	7.0 (2.9)	2.5 (0.9)	99.6 (15.1)	71.1 (10.8)	123.0 (8.4)	88.2 (6.1)
11	3.2 (1.4)	1.0 (0.4)			104.0 (10.7)	74.3 (7.7)
12	6.4 (1.3)	2.4 (0.6)	96.6 (18.5)	69.0 (13.2)	109.0 (12.9)	78.1 (9.3)
13	5.5 (1.4)	1.0 (0.3)	102.0 (10.5)	72.9 (7.5)	116.0 (10.7)	82.8 (7.7)
14	4.5 (0.7)	0.8 (0.2)	124.0 (8.9)	88.6 (6.4)	129.0 (9.6)	92.1 (6.9)
15	3.5 (0.8)	1.0 (0.2)	125.0 (16.5)	88.8 (11.8)	136.0 (5.5)	96.9 (3.9)
16	6.5 (1.6)	3.1 (0.6)	101.0 (19.9)	72.0 (14.2)	135.0 (18.6)	96.3 (13.3)
17	9.5 (0.6)	4.8 (0.5)	93.7 (15.7)	68.0 (10.9)	112.0 (16.0)	81.4 (11.4)
18	6.6 (1.0)	2.7 (0.7)				
19	3.4 (0.9)	1.2 (0.2)				
20	2.0 (0.2)	1.2 (0.4)	176.0 (25.3)	125.0 (18.1)	171.0 (9.3)	122.0 (6.7)
21	3.5 (0.7)	2.4 (0.2)	124.0 (30.1)	88.7 (21.4)	159.0 (18.6)	113.0 (13.3)
22	3.5 (1.7)	1.6 (0.4)	120.0 (9.2)	85.2 (6.6)	155.0 (16.5)	111.0 (11.9)
23	3.3 (0.6)	2.3 (0.2)	119.0 (18.0)	85.0 (12.8)	168.0 (21.9)	120.0 (15.7)
24	3.4 (1.4)	1.4 (0.5)	130.0 (9.3)	92.9 (6.7)	182.0 (8.6)	130.0 (6.2)
25	2.9 (0.6)	2.1 (0.7)	119.0 (21.0)	84.6 (15.0)	169.0 (26.7)	120.0 (19.2)
26	4.6 (0.6)	3.4 (0.6)	102.0 (14.3)	72.9 (10.2)	141.0 (19.5)	101.0 (13.8)
27	4.2 (0.3)	1.8 (0.7)	113.0 (15.8)	80.7 (11.3)	140.0 (12.1)	100.0 (8.7)
28	7.0 (1.3)	3.7 (0.3)	98.6 (29.7)	70.3 (21.1)	130.0 (22.2)	92.5 (15.9)
29	5.1 (1.7)	2.1 (0.9)	80.3 (8.9)	57.3 (6.4)	102.0 (15.4)	73.0 (11.0)
30	1.0 (1.6)	-0.1 (0.3)	83.5 (18.7)	59.4 (13.4)	75.5 (13.0)	53.8 (9.4)
31	6.0 (1.9)	0.8 (0.1)	98.5 (12.7)	70.2 (9.1)	97.1 (8.7)	69.3 (6.3)
Avg	4.6	2.2	110	78.6	134	95.8
n	31	31	26	26	27	27
SD	2	1.1	19.1	13.5	27.1	19.4
Min	1.0	-0.1	80.3	57.3	75.5	53.8
Max	9.5	4.8	176.0	125.0	182.0	130.0

Table F9. Daily means (SD) of NH3 concentrations at site IN2H for February, 2008.

Day	Inlets		House 6		House 7	
	H6, ppm	H7, ppm	ppm	mg·dsm^{-3}	ppm	mg·dsm^{-3}
1	6.0 (0.4)	0.7 (0.2)	97.4 (9.1)	69.5 (6.5)	88.3 (9.3)	63.1 (6.6)
2	7.0 (2.2)	2.6 (0.9)	94.3 (16.9)	67.2 (12.0)	98.6 (11.6)	70.5 (8.3)
3	9.4 (4.6)	2.3 (0.5)	94.8 (11.6)	67.6 (8.3)	102.0 (9.1)	72.9 (6.5)
4	12.0 (1.5)	2.1 (1.2)	90.4 (8.9)	64.6 (6.3)	101.0 (9.4)	72.5 (6.7)
5	5.8 (2.6)	1.9 (0.8)	87.4 (7.0)	62.4 (5.1)	86.0 (11.6)	61.6 (8.4)
6	5.8 (0.6)	0.8 (0.6)	92.1 (9.7)	65.7 (6.9)	93.0 (10.8)	66.5 (7.7)
7	3.8 (1.2)	1.3 (0.4)	93.1 (15.4)	66.4 (11.0)	96.4 (10.5)	68.9 (7.5)
8	6.5 (1.3)	2.9 (0.6)	82.1 (10.3)	58.5 (7.3)	85.5 (10.8)	61.1 (7.8)
9	7.6 (3.0)	1.7 (0.8)	87.8 (9.3)	62.6 (6.6)	94.7 (6.4)	67.7 (4.5)
10	0.1 (0.3)	0.6 (0.1)	107.0 (4.7)	76.0 (3.4)	107.0 (18.8)	76.1 (13.5)
11	3.0 (2.6)	1.5 (0.5)	119.0 (13.3)	84.7 (9.4)	136.0 (18.0)	97.0 (12.9)
12	4.8 (3.0)	1.2 (0.3)	112.0 (14.2)	80.1 (10.1)	112.0 (25.4)	80.2 (18.1)
13	2.9 (0.4)	1.8 (0.2)				
14	4.0 (0.6)	2.3 (0.3)				
15	3.8 (0.9)	1.4 (0.2)	75.6 (8.9)	54.0 (6.3)		
16	9.0 (3.5)	3.0 (1.6)	81.1 (13.2)	57.8 (9.4)	81.3 (13.0)	58.1 (9.2)
17	9.3 (4.5)	3.5 (1.0)	68.0 (6.4)	48.7 (4.5)	74.8 (7.8)	53.6 (5.6)
18	7.4 (3.1)	1.5 (0.4)	99.8 (8.8)	71.0 (6.3)	94.0 (13.3)	67.2 (9.5)
19	3.9 (0.5)	1.6 (0.3)				
20	3.5 (1.7)	1.6 (0.7)	76.2 (17.4)	54.3 (12.4)	74.7 (13.8)	53.4 (9.9)
21	7.4 (2.7)	2.6 (1.2)	77.4 (7.7)	55.2 (5.5)	80.1 (12.2)	57.3 (8.8)
22	3.0 (0.9)	1.1 (0.1)				
23	5.8 (1.2)	0.7 (0.1)				
24	7.9 (1.0)	1.6 (0.3)	68.0 (7.8)	48.5 (5.5)	92.1 (8.2)	65.8 (5.8)
25	8.6 (1.5)	2.2 (0.3)	63.8 (6.7)	45.5 (4.7)	91.0 (7.4)	65.1 (5.3)
26	3.1 (4.1)	1.6 (0.5)	61.2 (5.1)	43.7 (3.7)	78.9 (6.0)	56.4 (4.3)
27	4.3 (1.4)	0.7 (0.4)	71.7 (7.5)	51.1 (5.3)	88.1 (9.7)	63.0 (6.9)
28	6.4 (0.8)	2.0 (1.6)	80.8 (20.8)	56.5 (13.6)	83.3 (20.9)	60.2 (14.7)
29	5.7 (2.3)	4.2 (2.1)	71.6 (5.1)	51.1 (3.6)	83.4 (5.5)	59.6 (4.0)
Avg	5.8	1.8	85.5	60.9	92.3	66
n	29	29	24	24	23	23
SD	2.5	0.9	14.8	10.6	13.3	9.5
Min	0.1	0.6	61.2	43.7	74.7	53.4
Max	12.0	4.2	119.0	84.7	136.0	97.0

Table F9. Daily means (SD) of NH3 concentrations at site IN2H for March, 2008.

Day	Inlets		House 6		House 7	
	H6, ppm	H7, ppm	ppm	mg·dsm^{-3}	ppm	mg·dsm^{-3}
1	5.1 (2.1)	1.7 (0.2)	70.1 (5.6)	50.1 (4.0)	82.4 (4.7)	59.1 (3.3)
2	9.9 (1.3)	2.5 (0.8)				
3	4.7 (3.1)	3.3 (1.2)	67.0 (7.7)	47.8 (5.5)	68.1 (4.6)	48.7 (3.3)
4	0.8 (0.6)	1.7 (0.3)	74.4 (8.8)	53.0 (6.3)	74.0 (6.5)	52.9 (4.6)
5	5.2 (2.5)	2.5 (0.7)	76.2 (9.4)	54.3 (6.7)	77.4 (5.6)	55.3 (4.0)
6	6.1 (2.3)	2.9 (1.0)	70.3 (8.3)	50.1 (5.9)	76.0 (5.2)	54.3 (3.7)
7	1.2 (0.8)	2.3 (0.3)	75.4 (6.9)	53.7 (4.9)	70.8 (8.5)	50.5 (6.1)
8	1.3 (1.1)	1.9 (0.4)	81.5 (5.9)	58.1 (4.2)	72.4 (6.3)	51.7 (4.5)
9	6.7 (0.7)	2.9 (0.5)	63.5 (25.6)	49.7 (15.4)	82.1 (10.2)	
10	5.1 (1.9)	2.6 (0.4)	75.6 (6.5)	53.9 (4.6)	90.3 (7.0)	64.6 (5.0)
11	5.0 (1.1)	2.7 (0.2)	83.7 (6.8)	59.7 (4.8)	95.5 (20.1)	68.3 (14.4)
12	7.8 (0.3)	2.2 (0.3)	60.4 (15.3)	47.0 (6.9)	71.4 (8.7)	
13	7.9 (1.6)	2.7 (0.7)	83.2 (12.7)	59.3 (9.1)	69.2 (4.0)	49.4 (2.9)
14	4.4 (1.7)	3.6 (1.1)	89.1 (10.2)	63.6 (7.3)	77.7 (9.4)	55.5 (6.7)
15	2.9 (0.8)	3.1 (1.0)	78.2 (11.5)	55.8 (8.2)	85.4 (6.0)	61.0 (4.3)
16	2.3 (1.5)	2.1 (0.6)	74.6 (8.0)	53.3 (5.7)	79.2 (8.9)	56.5 (6.4)
17	6.6 (1.1)	1.6 (0.1)	63.0 (8.4)	44.9 (6.0)	77.2 (6.7)	55.2 (4.8)
18	5.7 (1.7)	2.9 (0.5)	61.4 (6.3)	43.9 (4.5)	69.5 (8.9)	49.7 (6.3)
19	1.1 (0.7)	2.3 (0.4)	64.1 (4.2)	45.8 (3.0)	75.1 (3.5)	53.7 (2.5)
20	2.6 (1.3)	2.4 (0.5)	69.6 (8.8)	49.7 (6.3)	81.3 (9.7)	58.1 (6.9)
21	3.4 (0.8)	2.2 (0.2)	66.2 (8.9)	47.2 (6.3)	77.4 (8.0)	55.3 (5.7)
22	1.2 (0.5)	1.8 (0.1)	64.5 (8.6)	46.0 (6.1)	73.5 (9.0)	52.5 (6.4)
23	2.4 (0.4)	2.7 (0.5)	65.5 (7.2)	46.8 (5.1)	77.4 (9.5)	55.3 (6.8)
24	2.9 (0.7)	2.6 (0.8)	70.0 (8.7)	49.9 (6.2)	78.4 (9.5)	56.0 (6.8)
25	3.9 (1.9)	3.9 (0.9)	84.4 (6.5)	60.3 (4.6)	81.7 (9.7)	58.4 (7.0)
26	3.9 (1.4)	2.9 (0.3)	82.2 (8.3)	58.7 (5.9)	73.7 (5.1)	52.6 (3.7)
27	3.4 (2.1)	2.5 (0.2)	74.9 (7.4)	53.5 (5.3)	71.6 (5.1)	51.2 (3.6)
28	0.6 (0.4)	2.1 (0.3)	82.3 (7.3)	58.7 (5.2)	74.7 (9.8)	53.4 (7.0)
29	3.8 (1.4)	2.2 (0.5)	76.9 (12.2)	54.9 (8.7)	80.1 (9.4)	57.2 (6.7)
30	6.7 (0.5)	2.7 (0.8)	72.7 (5.0)	51.9 (3.5)	75.9 (8.8)	54.2 (6.3)
31	5.7 (0.4)	4.1 (0.4)	69.2 (5.9)	49.6 (4.2)	61.8 (6.8)	44.3 (4.8)
Avg	4.2	2.6	73	52.4	76.7	54.8
n	31	31	30	30	30	28
SD	2.3	0.6	7.6	5.1	6.6	4.8
Min	0.6	1.6	60.4	43.9	61.8	44.3
Max	9.9	4.1	89.1	63.6	95.5	68.3

Table F9. Daily means (SD) of NH3 concentrations at site IN2H for April, 2008.

Day	Inlets		House 6		House 7	
	H6, ppm	H7, ppm	ppm	mg·dsm^{-3}	ppm	mg·dsm^{-3}
1	1.3 (1.4)	2.1 (1.0)	76.3 (5.3)	54.6 (3.8)	72.2 (6.0)	51.6 (4.3)
2	4.5 (2.1)	1.7 (0.5)	75.8 (12.1)	54.1 (8.6)	80.2 (9.5)	57.3 (6.8)
3	5.0 (1.8)	1.3 (0.4)	69.8 (5.7)	49.9 (4.1)	72.6 (9.1)	51.9 (6.5)
4	1.9 (0.4)	2.5 (0.2)	64.5 (5.6)	46.1 (4.0)	70.4 (7.6)	50.3 (5.4)
5	3.3 (0.6)	2.7 (0.8)	65.9 (7.7)	47.0 (5.5)	75.1 (19.0)	53.6 (13.5)
6	5.8 (3.0)	1.3 (0.2)	59.9 (7.1)	42.7 (5.1)	60.4 (10.3)	43.2 (7.4)
7	3.2 (2.4)	1.6 (0.7)	52.6 (7.1)	37.5 (5.1)	52.5 (11.4)	37.5 (8.2)
8	2.0 (1.5)	2.2 (0.5)	49.2 (9.5)	35.1 (6.8)	49.2 (10.8)	35.1 (7.7)
9	1.1 (0.6)	1.7 (0.6)	54.2 (4.3)	38.7 (3.1)	52.2 (3.8)	37.3 (2.7)
10	0.9 (0.6)	1.4 (0.5)	60.5 (3.8)	43.2 (2.8)	59.1 (4.9)	42.2 (3.5)
11	2.8 (2.0)	3.7 (2.1)	57.1 (14.3)	40.8 (10.2)	51.0 (11.1)	36.5 (7.9)
12	1.7 (0.4)	1.2 (0.2)	75.3 (7.8)	53.8 (5.6)	61.5 (4.6)	43.9 (3.3)
13	-0.2 (0.3)	1.6 (0.3)	71.4 (8.0)	51.0 (5.7)	60.0 (8.2)	42.9 (5.8)
14	-0.4 (0.2)	1.3 (0.2)	64.6 (7.9)	46.1 (5.6)	57.4 (10.2)	41.0 (7.4)
15	0.9 (1.2)	1.1 (0.4)	57.0 (6.8)	40.6 (4.8)	54.6 (8.5)	39.0 (6.1)
16	2.2 (0.5)	1.8 (0.7)	44.0 (12.2)	31.4 (8.7)	46.2 (9.6)	33.0 (6.8)
17	1.6 (0.9)	1.9 (0.4)	33.0 (12.8)	23.6 (9.1)	37.6 (11.6)	26.9 (8.3)
18	1.6 (0.8)	1.8 (0.4)	28.4 (11.5)	20.3 (8.2)	34.4 (9.8)	24.6 (7.0)
19	0.4 (0.8)	1.7 (0.2)	43.3 (14.2)	31.0 (10.2)		
20	0.1 (0.2)	1.5 (0.2)	39.5 (9.3)	28.3 (6.6)	40.1 (7.3)	28.7 (5.2)
21	0.9 (1.3)	1.5 (0.6)	34.1 (11.4)	24.4 (8.2)	37.1 (10.3)	26.6 (7.4)
22	0.3 (0.3)	2.0 (0.6)	26.3 (11.2)	18.8 (8.0)	31.9 (10.7)	22.8 (7.7)
23	-0.1 (0.8)	1.2 (0.6)	21.8 (10.7)	15.6 (7.6)	27.9 (8.5)	19.9 (6.1)
24	-0.3 (0.7)	0.3 (0.5)	16.7 (12.7)	11.9 (9.0)	29.9 (8.8)	21.3 (6.3)
25	0.5 (0.8)	1.5 (0.6)	7.4 (3.0)	5.3 (2.1)	21.8 (9.1)	15.6 (6.5)
26	-0.6 (0.2)	0.1 (0.3)	18.3 (4.2)	13.0 (3.0)	33.3 (3.2)	23.8 (2.3)
27	-1.0 (0.2)	0.1 (0.2)	17.9 (3.9)	12.7 (2.8)	30.6 (3.7)	21.9 (2.6)
28	-0.9 (0.2)	0.2 (0.3)	18.4 (3.2)	13.1 (2.3)	31.6 (2.6)	22.6 (1.8)
29	-1.2 (0.1)	0.3 (0.5)	23.8 (2.1)	17.0 (1.5)	37.5 (6.0)	26.8 (4.3)
30	0.9 (1.2)	0.6 (0.3)	28.4 (2.9)	20.2 (2.1)	41.2 (9.1)	29.4 (6.5)
Avg	1.3	1.5	45.2	32.3	48.6	34.7
n	30	30	30	30	29	29
SD	1.7	0.8	20.7	14.8	15.9	11.4
Min	-1.2	0.1	7.4	5.3	21.8	15.6
Max	5.8	3.7	76.3	54.6	80.2	57.3

Table F9. Daily means (SD) of NH3 concentrations at site IN2H for May, 2008.

Day	Inlets		House 6		House 7	
	H6, ppm	H7, ppm	ppm	mg·dsm^{-3}	ppm	mg·dsm^{-3}
1	0.5 (0.6)	1.2 (0.6)			35.3 (4.6)	25.2 (3.3)
2	1.1 (0.5)	2.6 (0.4)	7.2 (1.4)	5.1 (1.0)	35.9 (3.2)	25.7 (2.3)
3	0.4 (1.0)	1.2 (1.0)	11.7 (3.9)	8.4 (2.8)	41.3 (4.2)	29.5 (3.0)
4	-0.3 (0.2)	0.2 (0.3)	14.3 (5.1)	10.2 (3.7)	34.5 (5.9)	24.6 (4.2)
5	0.2 (0.6)	0.3 (0.3)	11.8 (5.7)	8.4 (4.1)	30.2 (4.2)	21.6 (3.0)
6	0.8 (1.3)	0.3 (0.6)	9.3 (6.3)	6.6 (4.5)	27.5 (7.7)	19.6 (5.5)
7	0.1 (0.3)	0.2 (0.3)	7.3 (2.1)	5.2 (1.5)	34.0 (2.9)	24.3 (2.1)
8	-1.1 (0.4)	-0.3 (0.6)	12.5 (3.1)	8.9 (2.2)	42.8 (8.6)	30.6 (6.2)
9	-1.0 (0.5)	-0.7 (0.3)	14.9 (2.5)	10.7 (1.8)	36.5 (4.7)	26.1 (3.4)
10	-0.6 (0.6)	-0.7 (0.2)	12.2 (3.9)	8.7 (2.8)	35.9 (4.2)	25.6 (3.0)
11	-1.3 (0.2)	-1.3 (0.1)	15.8 (1.7)	11.3 (1.2)	41.7 (5.9)	29.9 (4.2)
12	-1.2 (0.7)	-0.9 (0.4)	14.4 (2.3)	10.3 (1.6)	41.5 (3.3)	29.7 (2.4)
13	1.8 (0.8)	0.6 (0.9)	13.4 (4.7)	9.6 (3.4)	40.1 (5.6)	28.7 (4.0)
14	0.6 (0.7)	0.3 (0.3)	17.9 (2.8)	12.8 (2.0)	45.8 (3.4)	32.8 (2.5)
15	-1.0 (0.2)	-0.9 (0.3)	16.2 (1.1)	11.5 (0.8)	49.3 (5.4)	35.2 (3.9)
16	0.1 (0.7)	-0.8 (0.3)	16.6 (3.0)	11.8 (2.2)	43.5 (7.4)	31.1 (5.3)
17	-0.1 (0.7)	-0.9 (0.4)	16.7 (5.5)	11.9 (3.9)	40.0 (7.4)	28.6 (5.3)
18	-1.1 (0.6)	-1.0 (0.5)	18.8 (1.3)	13.4 (0.9)	44.6 (3.8)	31.9 (2.7)
19	-0.8 (0.2)	-1.3 (0.1)	18.6 (1.0)	13.2 (0.7)	45.5 (8.6)	32.5 (6.2)
20	-1.0 (0.4)	-1.1 (0.1)	19.5 (1.0)	13.9 (0.7)	40.8 (8.9)	29.1 (6.3)
21	-0.6 (1.0)	-1.1 (0.2)	20.6 (1.4)	14.7 (1.0)	36.7 (4.6)	26.2 (3.3)
22	-1.1 (0.5)	-1.0 (0.3)			37.6 (5.7)	26.9 (4.1)
23	-1.1 (0.1)	-1.1 (0.2)				
24	-1.0 (0.2)	-0.5 (0.4)	20.9 (4.3)	14.9 (3.1)	36.6 (4.7)	26.1 (3.3)
25	0.6 (1.0)	-0.7 (0.2)	17.7 (7.1)	12.6 (5.1)	31.6 (9.0)	22.5 (6.4)
26	-0.4 (0.5)	-0.5 (0.4)				
27	-1.2 (0.1)	-0.8 (0.2)				
28	-1.4 (0.1)	-1.1 (0.1)	20.3 (3.2)	14.5 (2.3)	36.3 (7.3)	25.9 (5.3)
29	-1.1 (0.4)	-0.6 (0.3)	16.3 (5.0)	11.7 (3.5)	30.9 (10.1)	22.0 (7.2)
30	-0.1 (1.1)	-0.2 (0.5)	16.8 (7.9)	12.0 (5.6)	24.1 (10.1)	17.2 (7.2)
31	-1.3 (0.2)	-0.2 (0.4)	15.4 (6.4)	11.1 (4.6)	22.7 (7.1)	16.3 (5.1)
Avg	-0.4	-0.3	15.3	10.9	37.3	26.6
n	31	31	26	26	28	28
SD	0.8	0.9	3.7	2.7	6.3	4.5
Min	-1.4	-1.3	7.2	5.1	22.7	16.3
Max	1.8	2.6	20.9	14.9	49.3	35.2

Table F9. Daily means (SD) of NH3 concentrations at site IN2H for June, 2008.

Day	Inlets		House 6		House 7	
	H6, ppm	H7, ppm	ppm	mg·dsm^{-3}	ppm	mg·dsm^{-3}
1	-0.4 (1.0)	0.4 (0.6)	17.6 (6.8)	12.6 (4.9)	23.8 (7.5)	17.1 (5.4)
2	-0.5 (0.8)	0.0 (0.6)	14.7 (8.6)	10.5 (6.1)	19.3 (10.4)	13.8 (7.4)
3	-0.8 (0.5)	0.2 (0.2)	17.1 (5.2)	12.3 (3.7)	22.0 (5.0)	15.8 (3.6)
4	-0.6 (0.3)	0.5 (0.1)	14.7 (5.1)	10.5 (3.7)	18.8 (7.1)	13.5 (5.1)
5	-0.7 (0.3)	0.3 (0.3)	12.6 (3.3)	9.1 (2.4)	14.8 (7.4)	10.6 (5.3)
6	-0.3 (0.3)	0.2 (0.5)	11.3 (1.9)	8.2 (1.4)	9.3 (3.7)	6.7 (2.7)
7	-0.5 (0.3)	-0.3 (0.3)	11.2 (2.4)	8.0 (1.8)	7.4 (2.2)	5.3 (1.6)
8	-0.5 (0.1)	-0.1 (0.2)	9.8 (1.1)	7.0 (0.8)	5.9 (1.2)	4.2 (0.9)
9						
10						
11						
12	-0.6 (0.1)	-0.2 (0.1)	10.6 (3.5)	7.6 (2.5)	8.6 (4.9)	6.2 (3.5)
13	-0.7 (0.2)	-0.4 (0.2)	9.8 (3.1)	7.1 (2.2)	9.6 (2.8)	6.9 (2.0)
14	-0.9 (0.2)	-0.5 (0.3)	11.7 (6.5)	8.4 (4.7)	12.0 (8.0)	8.6 (5.8)
15	-0.9 (0.6)	-1.1 (0.2)	10.8 (4.8)	7.7 (3.4)	7.3 (3.4)	5.2 (2.4)
16	-1.4 (0.6)	-1.1 (0.2)	15.0 (5.2)	10.7 (3.7)	13.3 (5.5)	9.5 (3.9)
17	-1.3 (0.8)	-1.0 (0.1)	16.6 (3.6)	11.9 (2.6)	22.5 (3.7)	16.1 (2.6)
18	-1.0 (0.9)	-0.8 (0.2)	17.1 (5.6)	12.2 (4.0)	20.9 (4.7)	14.9 (3.4)
19	-0.8 (0.7)	-0.7 (0.3)	13.9 (6.4)	10.0 (4.6)	19.0 (6.2)	13.6 (4.5)
20	0.2 (1.0)	-0.6 (0.2)	11.0 (7.2)	7.9 (5.1)	14.1 (8.0)	10.1 (5.7)
21	-0.9 (0.1)	-0.6 (0.1)	12.4 (2.4)	8.9 (1.7)	15.1 (3.2)	10.8 (2.3)
22						
23						
24						
25						
26						
27	-0.3 (0.3)	0.1 (0.1)	19.6 (6.0)	14.1 (4.3)	14.2 (4.0)	10.2 (2.9)
28	-0.5 (0.6)	-0.2 (0.3)	16.2 (5.2)	11.6 (3.7)	14.2 (5.1)	10.2 (3.7)
29	-0.5 (1.2)	-0.4 (0.2)	19.2 (4.0)	13.8 (2.9)	19.2 (4.9)	13.7 (3.5)
30	-1.6 (0.1)	-0.6 (0.3)	19.6 (4.7)	14.0 (3.4)	21.1 (6.3)	15.1 (4.5)
Avg	-0.7	-0.3	14.2	10.2	15.1	10.8
n	22	22	22	22	22	22
SD	0.4	0.5	3.2	2.3	5.4	3.9
Min	-1.6	-1.1	9.8	7.0	5.9	4.2
Max	0.2	0.5	19.6	14.1	23.8	17.1

Table F9. Daily means (SD) of NH3 concentrations at site IN2H for July, 2008.

Day	Inlets		House 6		House 7	
	H6, ppm	H7, ppm	ppm	mg·dsm^{-3}	ppm	mg·dsm^{-3}
1	-1.3 (0.8)	-0.9 (0.4)	14.2 (5.1)	10.1 (3.6)	15.7 (8.7)	11.2 (6.2)
2	0.0 (0.8)	-0.3 (0.2)	12.4 (4.0)	8.9 (2.8)	11.7 (5.9)	8.4 (4.2)
3	-1.1 (0.4)	-0.1 (0.4)	16.5 (2.3)	11.8 (1.6)	15.0 (2.9)	10.7 (2.1)
4	-0.9 (0.4)	-0.1 (0.4)	16.8 (4.8)	12.0 (3.4)	17.7 (5.7)	12.7 (4.1)
5	-0.9 (0.3)	-0.3 (0.5)	15.4 (4.3)	11.0 (3.1)	15.3 (4.3)	10.9 (3.1)
6	-0.5 (0.5)	-0.5 (0.3)	12.4 (5.9)	8.9 (4.2)	11.9 (6.8)	8.5 (4.9)
7	0.1 (0.2)	0.2 (0.2)				
8	0.1 (0.3)	0.3 (0.1)				
9	-0.8 (0.3)	0.3 (0.1)				
10	-0.2 (0.8)	-0.6 (0.3)	12.3 (5.7)	8.9 (4.0)	14.3 (7.0)	10.3 (5.0)
11	-0.8 (0.4)	-0.2 (0.2)	10.8 (3.7)	7.7 (2.6)	12.4 (4.6)	8.9 (3.3)
12	-0.5 (0.5)	0.0 (0.2)	9.8 (3.1)	7.0 (2.2)	11.4 (3.9)	8.2 (2.8)
13	-1.5 (0.2)	-0.8 (0.4)	11.1 (2.8)	7.9 (2.0)	6.3 (1.5)	4.5 (1.1)
14	-1.2 (0.1)	-0.8 (0.4)	12.2 (4.2)	8.8 (3.0)	8.2 (2.9)	5.9 (2.1)
15	-0.5 (0.4)	-0.4 (0.1)	10.7 (5.3)	7.7 (3.8)	11.7 (5.4)	8.4 (3.9)
16	-0.5 (0.3)	-0.3 (0.1)	6.8 (1.7)	4.9 (1.2)	9.3 (3.3)	6.7 (2.3)
17	-0.8 (0.5)	-0.5 (0.2)	5.9 (2.9)	4.3 (2.1)	7.0 (3.3)	5.0 (2.3)
18	-1.4 (0.3)	-0.8 (0.2)	3.0 (1.0)	2.2 (0.7)	4.4 (0.9)	3.2 (0.7)
19	-0.7 (0.3)	0.0 (0.2)	4.7 (1.5)	3.4 (1.1)	6.4 (1.5)	4.6 (1.1)
20	-1.1 (0.2)	0.0 (0.0)	5.5 (1.9)	4.0 (1.4)	7.8 (2.6)	5.6 (1.9)
21	-0.9 (0.2)	0.5 (0.6)	7.4 (2.0)	5.3 (1.4)	9.7 (2.0)	7.0 (1.5)
22	-0.7 (0.4)	0.1 (0.4)	9.0 (3.2)	6.5 (2.3)	11.6 (3.8)	8.3 (2.7)
23	-1.1 (0.2)	-0.3 (0.3)	9.7 (3.2)	7.0 (2.3)		
24	-1.3 (0.2)	-0.6 (0.3)	10.5 (2.9)	7.5 (2.1)	13.1 (4.8)	9.3 (3.4)
25	-0.7 (0.3)	-0.4 (0.2)	10.2 (3.1)	7.3 (2.2)	11.7 (5.4)	8.4 (3.8)
26	-0.8 (0.4)	0.0 (0.2)	8.0 (2.8)	5.7 (2.0)	10.9 (3.7)	7.9 (2.6)
27	-1.4 (0.3)	-0.7 (0.2)	8.5 (3.2)	6.1 (2.3)	11.4 (5.3)	8.1 (3.8)
28	-0.7 (0.3)	-0.3 (0.1)	7.3 (2.8)	5.2 (2.0)	10.2 (4.1)	7.3 (3.0)
29	-0.6 (0.3)	0.0 (0.2)	7.0 (2.0)	5.0 (1.4)	9.5 (4.2)	6.8 (3.0)
30	-0.8 (0.2)	-0.1 (0.3)	6.1 (1.6)	4.4 (1.1)	8.5 (2.4)	6.1 (1.7)
31	-1.3 (0.2)	-0.3 (0.2)	4.7 (1.9)	3.4 (1.3)	10.0 (3.5)	7.2 (2.5)
Avg	-0.8	-0.3	9.6	6.9	10.9	7.8
n	31	31	28	28	27	27
SD	0.4	0.3	3.6	2.5	3.1	2.2
Min	-1.5	-0.9	3.0	2.2	4.4	3.2
Max	0.1	0.5	16.8	12.0	17.7	12.7

Table F9. Daily means (SD) of NH3 concentrations at site IN2H for August, 2008.

Day	Inlets		House 6		House 7	
	H6, ppm	H7, ppm	ppm	mg·dsm^{-3}	ppm	mg·dsm^{-3}
1	-0.9 (0.2)	0.0 (0.4)	4.3 (2.4)	3.1 (1.7)	9.6 (3.6)	6.9 (2.6)
2	-1.2 (0.2)	-0.4 (0.3)	1.2 (0.4)	0.8 (0.3)	3.4 (0.4)	2.4 (0.3)
3	-1.2 (0.1)	-0.6 (0.2)	1.3 (0.3)	1.0 (0.2)	4.0 (1.6)	2.8 (1.1)
4	-1.0 (0.3)	-0.3 (0.5)	1.0 (0.4)	0.7 (0.3)	3.7 (0.8)	2.7 (0.6)
5	-1.4 (0.3)	-0.3 (0.2)	0.5 (0.5)	0.4 (0.3)	3.9 (0.5)	2.8 (0.3)
6	-1.1 (0.3)	-0.4 (0.3)	2.2 (1.2)	1.6 (0.9)	5.6 (2.1)	4.0 (1.5)
7	-1.6 (0.0)	-0.8 (0.0)	4.6 (1.3)	3.3 (0.9)	9.4 (3.7)	6.7 (2.6)
8	-1.6 (0.1)	-0.7 (0.1)	6.1 (1.5)	4.4 (1.1)		
9	-1.6 (0.2)	-0.9 (0.1)	5.1 (1.7)	3.6 (1.2)	12.6 (3.8)	9.0 (2.8)
10	-1.7 (0.1)	-0.9 (0.2)	4.9 (1.0)	3.5 (0.7)	13.7 (2.9)	9.8 (2.1)
11	-1.5 (0.2)	-0.5 (0.3)	5.9 (1.5)	4.2 (1.1)	11.7 (3.5)	8.4 (2.5)
12	-0.7 (0.6)	-0.5 (0.2)	7.6 (4.1)	5.4 (2.9)	7.5 (3.9)	5.4 (2.8)
13	-1.2 (0.2)	-0.7 (0.2)				
14	-1.3 (0.0)	-1.0 (0.1)				
15	-1.7 (0.2)	-1.0 (0.2)	7.6 (2.9)	5.4 (2.1)	6.7 (4.0)	4.8 (2.8)
16	-1.6 (0.2)	-1.1 (0.2)	7.7 (3.4)	5.5 (2.4)	4.7 (3.0)	3.4 (2.2)
17	-1.8 (0.1)	-1.1 (0.1)	7.8 (3.6)	5.6 (2.6)	4.5 (2.5)	3.2 (1.8)
18	-1.6 (0.2)	-1.1 (0.1)	7.3 (3.9)	5.3 (2.8)	4.8 (2.6)	3.4 (1.8)
19	-1.6 (0.2)	-0.8 (0.3)	8.0 (4.3)	5.7 (3.1)	5.5 (2.1)	3.9 (1.5)
20	-1.8 (0.1)	-1.3 (0.2)	10.1 (5.3)	7.2 (3.8)	5.2 (3.4)	3.7 (2.4)
21	-1.5 (0.2)	-1.0 (0.2)	10.4 (3.5)	7.4 (2.5)		
22	-1.3 (0.1)	-0.7 (0.1)	6.3 (1.6)	4.5 (1.1)	1.6 (0.6)	1.2 (0.4)
23	-1.1 (0.3)	-0.7 (0.1)	7.4 (3.2)	5.3 (2.3)	2.6 (0.9)	1.9 (0.6)
24	-1.5 (0.3)	-0.8 (0.3)	9.0 (4.2)	6.5 (3.0)	2.8 (1.6)	2.0 (1.2)
25	-1.8 (0.2)	-1.1 (0.2)	16.2 (4.0)	11.6 (2.8)	4.9 (2.6)	3.5 (1.8)
26	-2.0 (0.1)	-1.6 (0.1)	14.6 (6.0)	10.4 (4.3)	3.7 (2.7)	2.7 (1.9)
27	-1.7 (0.1)	-1.4 (0.0)	11.9 (6.3)	8.5 (4.5)	2.0 (1.1)	1.4 (0.8)
28	-1.6 (0.1)	-1.0 (0.2)	11.0 (5.6)	7.9 (4.0)	2.2 (1.0)	1.5 (0.7)
29	-1.3 (0.1)	-0.7 (0.2)	6.8 (2.7)	4.9 (1.9)	1.5 (0.7)	1.1 (0.5)
30	-1.4 (0.2)	-1.0 (0.3)	8.6 (5.6)	6.1 (4.0)	2.1 (1.6)	1.5 (1.2)
31	-1.5 (0.3)	-1.1 (0.3)	6.6 (4.6)	4.7 (3.3)	1.8 (1.4)	1.3 (1.0)
Avg	-1.4	-0.8	7	5	5.2	3.8
n	31	31	29	29	27	27
SD	0.3	0.3	3.7	2.7	3.4	2.4
Min	-2.0	-1.6	0.5	0.4	1.5	1.1
Max	-0.7	0.0	16.2	11.6	13.7	9.8

Table F9. Daily means (SD) of NH3 concentrations at site IN2H for September, 2008.

Day	Inlets		House 6		House 7	
	H6, ppm	H7, ppm	ppm	mg·dsm^{-3}	ppm	mg·dsm^{-3}
1	-1.9 (0.3)	-1.4 (0.3)	5.4 (3.0)	3.9 (2.2)	1.2 (1.1)	0.9 (0.8)
2	-1.4 (0.4)	-1.0 (0.2)	6.2 (4.0)	4.4 (2.9)	1.4 (0.5)	1.0 (0.4)
3	-1.1 (0.3)	-0.7 (0.1)	7.2 (2.7)	5.1 (2.0)	1.3 (0.5)	0.9 (0.3)
4	-1.6 (0.1)	-1.1 (0.1)	10.0 (1.8)	7.2 (1.3)	1.5 (0.3)	1.1 (0.3)
5	-1.7 (0.2)	-1.2 (0.2)	12.7 (1.7)	9.1 (1.2)	1.3 (0.4)	0.9 (0.3)
6	-1.7 (0.2)	-1.5 (0.1)	14.3 (4.4)	10.2 (3.1)	1.9 (1.3)	1.4 (0.9)
7	-1.7 (0.2)	-1.5 (0.2)	12.2 (2.4)	8.8 (1.7)	2.6 (1.6)	1.8 (1.1)
8	-1.8 (0.1)	-1.3 (0.1)	12.9 (3.1)	9.2 (2.2)	4.5 (2.8)	3.2 (2.0)
9	-1.5 (0.1)	-1.1 (0.1)	15.4 (2.7)	11.0 (2.0)	6.0 (2.5)	4.2 (1.8)
10	-1.7 (0.2)	-1.5 (0.2)	14.5 (3.8)	10.3 (2.7)	6.1 (3.9)	4.3 (2.8)
11	-1.7 (0.3)	-1.3 (0.2)	13.5 (4.1)	9.7 (2.9)	4.3 (3.6)	3.1 (2.6)
12	-1.4 (0.1)	-0.7 (0.3)	13.9 (1.5)	10.0 (1.1)	2.1 (0.4)	1.5 (0.3)
13	-1.0 (0.2)	-0.6 (0.1)	11.8 (4.0)	8.5 (2.9)	3.5 (0.7)	2.6 (0.5)
14	-1.3 (0.4)	-0.6 (0.3)	15.1 (4.3)	10.9 (3.1)	3.7 (1.9)	2.6 (1.4)
15	-1.5 (0.1)	-1.1 (0.1)	22.0 (3.9)	15.7 (2.8)	7.4 (2.6)	5.3 (1.8)
16	-1.6 (0.2)	-1.0 (0.2)	20.2 (5.0)	14.4 (3.6)	7.7 (3.0)	5.5 (2.2)
17	-1.5 (0.3)	-1.0 (0.4)	17.4 (5.7)	12.4 (4.1)	8.0 (3.6)	5.7 (2.5)
18	-1.3 (0.2)	-0.5 (0.3)				
19	-0.5 (0.6)	0.6 (0.3)				
20	0.4 (0.6)	0.7 (0.3)	15.5 (5.5)	11.1 (3.9)	12.1 (4.5)	8.6 (3.2)
21	0.6 (0.6)	1.2 (0.4)	15.5 (4.8)	11.1 (3.5)	11.6 (4.3)	8.3 (3.1)
22	-0.2 (0.3)	0.6 (0.2)	16.6 (5.2)	11.9 (3.7)	11.3 (4.2)	8.1 (3.0)
23	0.0 (0.3)	0.3 (0.1)	16.6 (7.4)	11.9 (5.3)	10.2 (4.1)	7.3 (2.9)
24	0.5 (0.1)	0.3 (0.1)	15.6 (7.7)	11.1 (5.5)	10.4 (4.4)	7.4 (3.2)
25	0.2 (0.5)	0.4 (0.2)	14.5 (5.5)	10.3 (3.9)	10.3 (4.0)	7.3 (2.9)
26	0.0 (0.3)	0.5 (0.9)	15.4 (5.0)	11.0 (3.6)	11.2 (4.3)	8.0 (3.1)
27	0.2 (0.1)	5.2 (1.1)	15.2 (3.8)	10.9 (2.7)	12.0 (3.8)	8.6 (2.8)
28	0.3 (0.3)	7.2 (2.2)	15.6 (4.6)	11.2 (3.3)	12.3 (3.7)	8.8 (2.7)
29	0.0 (0.4)	6.0 (2.5)	19.0 (2.8)	13.6 (2.0)	13.8 (3.8)	9.9 (2.8)
30	-0.4 (0.2)	3.8 (0.5)	23.8 (2.9)	17.0 (2.1)	14.5 (2.0)	10.4 (1.5)
Avg	-0.9	0.3	14.6	10.4	6.9	5
n	30	30	28	28	28	28
SD	0.8	2.3	4.1	2.9	4.4	3.2
Min	-1.9	-1.5	5.4	3.9	1.2	0.9
Max	0.6	7.2	23.8	17.0	14.5	10.4

Table F9. Daily means (SD) of NH3 concentrations at site IN2H for October, 2008.

Day	Inlets		House 6		House 7	
	H6, ppm	H7, ppm	ppm	mg·dsm^{-3}	ppm	mg·dsm^{-3}
1	-0.4 (0.2)	2.1 (0.9)	26.7 (3.1)	19.1 (2.2)	14.4 (1.2)	10.3 (0.8)
2	0.1 (0.4)	3.6 (1.1)	26.7 (4.1)	19.1 (2.9)	16.4 (2.1)	11.7 (1.5)
3	0.1 (0.2)	8.1 (1.2)	25.5 (3.5)	18.2 (2.5)	16.7 (1.4)	11.9 (1.0)
4	-0.1 (0.0)	13.0 (1.9)				
5	0.3 (0.7)	12.6 (2.3)	24.0 (3.7)	17.1 (2.6)	20.6 (4.7)	14.7 (3.4)
6	0.1 (0.3)	11.0 (2.6)	23.6 (3.2)	16.8 (2.3)	18.4 (2.7)	13.2 (1.9)
7	1.1 (1.1)	10.4 (2.3)	27.1 (4.1)	19.4 (3.0)	17.4 (2.8)	12.4 (2.0)
8	1.8 (1.3)	1.4 (0.5)			19.4 (2.4)	13.9 (1.7)
9	0.3 (0.3)	1.0 (0.2)	30.2 (7.1)	21.6 (5.1)	19.5 (2.1)	13.9 (1.5)
10	0.3 (0.2)	0.5 (0.2)	27.6 (9.4)	19.6 (6.7)	17.9 (3.5)	12.7 (2.5)
11	0.5 (0.6)	0.9 (0.5)	20.0 (8.5)	14.3 (6.0)	16.8 (5.2)	12.0 (3.7)
12	1.0 (0.2)	0.9 (0.1)	19.0 (7.7)	13.6 (5.5)	19.0 (7.9)	13.6 (5.7)
13	1.6 (0.5)	1.1 (0.5)	2.8 (46.4)	2.0 (33.2)	16.9 (4.9)	12.0 (3.5)
14	1.0 (0.4)	1.6 (0.2)	21.6 (0.7)	15.4 (0.5)	18.7 (3.7)	13.4 (2.7)
15	0.8 (0.4)	1.5 (0.3)			17.7 (2.9)	12.7 (2.1)
16	0.4 (0.2)	1.2 (0.1)	30.5 (3.1)	21.8 (2.3)	21.5 (1.5)	15.4 (1.1)
17	0.7 (0.4)	1.0 (0.4)	26.2 (3.1)	18.7 (2.2)	22.2 (2.4)	15.9 (1.7)
18	0.3 (0.2)	0.8 (0.2)	25.9 (3.6)	18.5 (2.6)	22.1 (2.9)	15.8 (2.0)
19	2.9 (0.9)	2.5 (0.8)	27.8 (4.0)	19.8 (2.8)	22.8 (2.8)	16.3 (2.0)
20	1.6 (1.1)	1.8 (0.8)	29.3 (4.3)	20.9 (3.1)	24.4 (2.1)	17.4 (1.5)
21	0.4 (0.1)	1.1 (0.2)	33.2 (4.7)	23.7 (3.4)	29.5 (5.3)	21.0 (3.8)
22	1.1 (0.4)	0.9 (0.2)	36.2 (4.2)	25.8 (3.0)	33.8 (6.9)	24.1 (5.0)
23	2.4 (0.3)	1.2 (0.3)	35.7 (5.6)	25.4 (4.0)	32.3 (7.4)	23.1 (5.3)
24	2.9 (0.3)	2.2 (1.0)	35.1 (4.6)	25.1 (3.3)	27.4 (1.9)	19.6 (1.4)
25	2.4 (0.4)	1.7 (0.4)	39.8 (3.1)	28.4 (2.2)	30.4 (2.6)	21.7 (1.9)
26	2.0 (0.5)	1.1 (0.4)	40.5 (5.1)	28.9 (3.7)	33.7 (4.8)	24.1 (3.4)
27	0.5 (0.5)	0.7 (0.1)	43.7 (5.0)	31.2 (3.6)	39.1 (6.1)	27.9 (4.3)
28	0.6 (0.4)	0.8 (0.1)	45.5 (5.4)	32.5 (3.8)	42.3 (5.3)	30.2 (3.8)
29	0.5 (0.4)	0.8 (0.1)				
30	2.4 (1.3)	2.3 (1.1)	26.2 (6.5)	18.7 (4.6)	35.4 (7.1)	25.3 (5.1)
31	2.9 (0.4)	1.9 (0.9)	27.4 (4.5)	19.6 (3.2)	27.1 (4.5)	19.4 (3.2)
Avg	1.1	3	28.8	20.6	23.9	17.1
n	31	31	27	27	29	29
SD	1	3.7	8.4	6	7.5	5.3
Min	-0.4	0.5	2.8	2.0	14.4	10.3
Max	2.9	13.0	45.5	32.5	42.3	30.2

Table F9. Daily means (SD) of NH3 concentrations at site IN2H for November, 2008.

Day	Inlets		House 6		House 7	
	H6, ppm	H7, ppm	ppm	mg·dsm^{-3}	ppm	mg·dsm^{-3}
1	2.3 (0.7)	1.5 (0.3)	30.5 (2.9)	21.8 (2.1)	28.7 (2.9)	20.5 (2.1)
2	3.2 (0.5)	1.5 (0.4)	34.7 (4.8)	24.8 (3.5)	29.5 (3.3)	21.0 (2.3)
3	3.7 (0.5)	1.6 (0.4)	33.9 (1.6)	24.2 (1.1)	26.2 (4.0)	18.7 (2.9)
4	3.5 (0.6)	1.8 (0.4)	32.2 (4.8)	22.9 (3.4)	25.8 (3.5)	18.4 (2.5)
5	4.3 (0.7)	1.9 (0.7)	30.4 (6.4)	21.6 (4.6)	23.1 (4.3)	16.5 (3.1)
6	3.8 (0.7)	1.2 (0.2)	32.5 (4.9)	23.1 (3.5)	22.8 (4.0)	16.3 (2.9)
7	2.4 (0.8)	1.4 (0.4)	32.8 (6.7)	23.4 (4.8)	26.4 (2.9)	18.9 (2.1)
8	1.3 (0.5)	0.6 (0.3)	44.0 (4.1)	31.3 (2.9)	33.5 (3.5)	23.9 (2.5)
9	1.1 (0.2)	0.6 (0.1)	43.2 (6.6)	30.8 (4.7)	37.0 (3.7)	26.4 (2.6)
10	0.8 (0.2)	0.8 (0.3)	37.3 (7.2)	26.6 (5.1)	39.3 (4.1)	28.1 (2.9)
11	2.3 (0.4)	2.1 (0.2)	34.2 (2.6)	24.3 (1.9)	41.5 (5.6)	29.7 (4.0)
12	3.5 (0.7)	3.0 (1.0)	37.2 (3.8)	26.6 (2.7)	37.7 (5.8)	27.0 (4.1)
13						
14					46.7 (6.0)	33.4 (4.3)
15					52.8 (8.5)	37.7 (6.0)
16					56.9 (9.9)	40.7 (7.1)
17					55.2 (6.7)	39.4 (4.8)
18					59.1 (7.8)	42.2 (5.6)
19	3.2 (0.7)	1.6 (0.3)	46.7 (6.6)	33.2 (4.7)	48.0 (7.8)	34.3 (5.6)
20	1.0 (0.3)	0.9 (0.0)	55.2 (5.6)	39.5 (4.1)	44.6 (3.7)	31.9 (2.7)
21	2.4 (0.6)	1.0 (0.0)	57.6 (6.2)	41.1 (4.5)	53.4 (2.7)	38.2 (1.9)
22	3.6 (0.6)	1.3 (0.2)	53.4 (7.5)	38.0 (5.3)	58.2 (4.3)	41.6 (3.0)
23	2.6 (0.8)	1.6 (0.1)	50.1 (4.3)	35.7 (3.1)	57.1 (8.1)	40.8 (5.8)
24	4.1 (0.8)	1.4 (0.3)	56.2 (5.1)	40.1 (3.6)	57.3 (7.8)	41.0 (5.6)
25	3.0 (1.2)	1.4 (0.4)	72.4 (4.8)	51.6 (3.4)	59.2 (7.9)	42.4 (5.7)
26	4.3 (0.8)	1.1 (0.2)	68.8 (8.3)	49.1 (5.9)	57.7 (8.5)	41.3 (6.1)
27	4.1 (0.9)	1.2 (0.2)	64.6 (6.3)	46.1 (4.5)	57.1 (9.5)	40.8 (6.8)
28	5.1 (0.3)	1.0 (0.2)	69.5 (8.8)	49.5 (6.3)	60.4 (8.7)	43.2 (6.2)
29	4.3 (0.4)	1.3 (0.3)	66.4 (6.4)	47.3 (4.6)	58.5 (11.2)	41.8 (8.0)
30	3.7 (0.8)	1.1 (0.2)	63.5 (6.6)	45.3 (4.7)	55.6 (9.0)	39.8 (6.5)
Avg	3.1	1.4	47.8	34.1	45.2	32.3
n	24	24	24	24	29	29
SD	1.2	0.5	14.1	10	13.1	9.3
Min	0.8	0.6	30.4	21.6	22.8	16.3
Max	5.1	3.0	72.4	51.6	60.4	43.2

Table F9. Daily means (SD) of NH3 concentrations at site IN2H for December, 2008.

Day	Inlets		House 6		House 7	
	H6, ppm	H7, ppm	ppm	mg·dsm^{-3}	ppm	mg·dsm^{-3}
1	3.0 (0.8)	1.2 (0.2)	70.1 (5.8)	49.9 (4.2)	64.5 (7.5)	46.2 (5.4)
2	2.6 (0.1)	1.8 (0.5)				
3	3.5 (0.5)	2.0 (0.3)	62.5 (6.2)	44.6 (4.4)	75.3 (8.3)	53.9 (6.0)
4	1.8 (0.9)	1.1 (0.2)	73.3 (6.6)	52.2 (4.7)	80.2 (5.9)	57.4 (4.3)
5	2.2 (0.6)	1.1 (0.2)	81.5 (9.0)	58.1 (6.4)	83.6 (7.3)	59.8 (5.2)
6	1.9 (1.0)	1.7 (0.6)	77.2 (6.0)	55.1 (4.3)	79.7 (5.7)	57.1 (4.1)
7	2.4 (0.8)	1.5 (0.4)	88.1 (13.6)	62.8 (9.7)	83.5 (7.6)	59.7 (5.4)
8	5.1 (0.6)	2.4 (0.1)	78.3 (8.1)	55.8 (5.8)	77.8 (7.7)	55.7 (5.6)
9	5.1 (1.4)	2.4 (0.3)	76.3 (8.9)	54.4 (6.3)	72.0 (8.5)	51.5 (6.1)
10	1.9 (0.8)	1.9 (0.1)	96.6 (8.9)	68.9 (6.4)	74.7 (8.8)	53.4 (6.4)
11	2.7 (0.4)	1.9 (0.1)				
12	3.9 (1.1)	1.3 (0.2)	93.1 (9.5)	66.4 (6.8)	83.5 (3.4)	59.6 (2.4)
13	4.4 (0.4)	2.2 (0.2)	83.4 (10.1)	59.5 (7.2)	77.8 (6.0)	55.6 (4.3)
14	5.7 (0.6)	2.4 (0.1)	72.7 (8.5)	51.8 (6.0)	71.2 (8.9)	50.9 (6.3)
15	2.7 (1.2)	1.2 (0.3)	91.8 (9.8)	65.4 (6.9)	79.6 (9.4)	56.8 (6.7)
16	4.1 (0.2)	1.3 (0.2)				
17	4.9 (0.9)	1.5 (0.1)	79.6 (10.6)	56.8 (7.6)	76.2 (7.9)	54.5 (5.6)
18	6.6 (1.1)	1.6 (0.1)	78.7 (9.8)	56.1 (7.0)	73.3 (5.8)	52.4 (4.1)
19						
20						
21						
22						
23	3.7 (0.7)	2.7 (0.4)	71.2 (6.9)	50.8 (4.9)	77.8 (3.9)	
24						
25						
26						
27	10.8 (1.5)	3.8 (0.6)	79.4 (10.7)	56.9 (7.7)	75.4 (12.0)	
28	5.6 (2.4)	1.6 (0.3)	88.9 (14.9)	63.4 (10.6)	83.6 (13.0)	
29	6.2 (0.8)	1.7 (0.5)	86.3 (9.8)	61.6 (7.0)	85.3 (11.2)	
30	5.5 (1.3)	1.7 (0.3)	79.9 (12.0)	57.1 (8.6)	77.4 (13.1)	
31	1.2 (0.9)	1.1 (0.1)	89.4 (7.2)	63.7 (5.1)	77.7 (11.0)	
Avg	4.1	1.8	80.9	57.7	77.6	55
n	24	24	21	21	21	15
SD	2.1	0.6	8.4	6	4.9	3.6
Min	1.2	1.1	62.5	44.6	64.5	46.2
Max	10.8	3.8	96.6	68.9	85.3	59.8

Table F9. Daily means (SD) of NH3 concentrations at site IN2H for January, 2009.

Day	Inlets		House 6		House 7	
	H6, ppm	H7, ppm	ppm	mg·dsm^{-3}	ppm	mg·dsm^{-3}
1	4.6 (1.3)	2.1 (0.4)	84.0 (9.8)	59.9 (6.9)	85.8 (11.3)	
2	5.8 (0.6)	1.7 (0.4)	78.4 (6.7)	55.9 (4.7)	88.3 (8.8)	
3	7.6 (2.0)	1.2 (0.1)	82.7 (8.0)	59.0 (5.7)	86.8 (9.7)	
4	6.7 (3.4)	1.6 (0.3)	77.9 (9.4)	55.6 (6.7)	83.9 (5.4)	
5	5.3 (2.3)	1.5 (0.1)	93.1 (5.6)	66.4 (4.0)	101.0 (8.2)	
6	5.8 (0.8)	1.4 (0.1)	94.0 (7.8)	67.2 (5.5)	93.7 (15.6)	
7	6.5 (2.8)	1.3 (0.1)	101.0 (8.7)	72.0 (6.2)	95.9 (6.1)	
8	6.4 (1.3)	2.3 (1.0)	113.0 (19.6)	80.3 (14.0)	110.0 (11.6)	
9	5.9 (1.3)	1.8 (0.4)	98.5 (11.8)	70.3 (8.4)	100.0 (13.2)	
10	3.9 (2.4)	1.5 (0.2)	94.7 (8.5)	67.6 (6.1)	90.6 (7.7)	
11	5.7 (1.0)	2.1 (0.1)	101.0 (9.2)	71.8 (6.5)	98.6 (6.8)	
12	4.8 (0.5)	2.4 (0.4)	99.4 (13.9)	71.0 (9.9)	104.0 (10.2)	
13	4.1 (2.2)	1.6 (0.4)	107.0 (6.2)	76.0 (4.4)	108.0 (6.5)	
14	4.7 (0.7)	1.6 (0.6)	111.0 (15.9)	79.1 (11.3)	116.0 (17.0)	
15	3.1 (1.2)	0.9 (0.0)	129.0 (15.1)	92.2 (10.7)	136.0 (9.5)	
16						
17						
18						
19	2.2 (0.4)	1.7 (0.1)	151.0 (21.0)	108.0 (15.0)	128.0 (12.8)	
20	2.3 (0.5)	1.7 (0.2)	155.0 (25.4)	111.0 (18.2)	131.0 (14.1)	
21	3.6 (1.4)	2.0 (0.1)	132.0 (25.1)	94.0 (17.9)	127.0 (15.7)	
22	6.6 (1.1)	2.1 (0.5)	114.0 (8.1)	81.1 (5.7)	108.0 (9.5)	
23	5.2 (2.5)	1.6 (0.7)	111.0 (9.7)	79.1 (6.9)	100.0 (10.1)	
24	2.9 (0.6)	0.7 (0.1)	125.0 (13.0)	89.3 (9.3)	111.0 (12.9)	
25	3.8 (0.4)	0.6 (0.2)	123.0 (16.1)	88.1 (11.5)	80.5 (6.9)	
26	4.0 (0.7)	0.8 (0.3)	110.0 (15.8)	78.2 (11.3)	67.9 (6.4)	
27	4.1 (0.4)	0.8 (0.2)	109.0 (13.1)	77.7 (9.3)	88.9 (6.5)	
28	3.6 (0.8)	1.2 (0.3)	110.0 (10.3)	78.7 (7.3)	107.0 (3.9)	
29	3.7 (1.1)	1.6 (0.2)	126.0 (13.3)	89.9 (9.5)	125.0 (8.6)	
30	9.1 (1.5)	0.9 (0.2)				
31	4.7 (1.3)	1.4 (0.2)	127.0 (21.9)	90.6 (15.6)	118.0 (18.8)	
Avg	4.9	1.5	109	78.1	103	
n	28	28	27	27	27	0
SD	1.6	0.5	19.4	13.9	16.7	
Min	2.2	0.6	77.9	55.6	67.9	
Max	9.1	2.4	155.0	111.0	136.0	

Table F9. Daily means (SD) of NH3 concentrations at site IN2H for February, 2009.

Day	Inlets		House 6		House 7	
	H6, ppm	H7, ppm	ppm	mg·dsm^{-3}	ppm	mg·dsm^{-3}
1	7.6 (1.3)	0.7 (0.3)	116.0 (13.7)	83.1 (9.8)	95.3 (9.4)	
2	7.9 (1.3)	1.0 (0.2)	121.0 (11.7)	86.5 (8.4)	106.0 (12.1)	
3	3.7 (1.6)	0.9 (0.6)	125.0 (14.2)	89.0 (10.1)	114.0 (15.6)	
4	3.5 (0.3)	0.6 (0.2)	124.0 (16.1)	88.6 (11.5)	107.0 (11.0)	
5	3.3 (0.3)	1.3 (0.3)	126.0 (20.0)	89.6 (14.2)	106.0 (18.8)	
6	5.2 (1.7)	1.7 (0.3)	111.0 (14.6)	79.4 (10.4)	101.0 (9.9)	
7	6.3 (0.9)	1.2 (0.3)	112.0 (4.6)	80.1 (3.3)	92.1 (6.1)	
8	5.2 (1.1)	0.9 (0.3)	106.0 (10.7)	76.1 (7.7)	87.7 (5.7)	
9	5.3 (0.5)	1.0 (0.3)	108.0 (14.1)	77.0 (10.0)	90.0 (10.6)	
10	8.0 (1.5)	2.1 (0.3)	105.0 (8.4)	74.9 (6.0)	74.1 (10.6)	
11	7.4 (3.8)	1.6 (0.5)	97.9 (11.7)	70.0 (8.4)	62.5 (8.5)	
12	3.2 (0.7)	0.7 (0.3)	102.0 (12.1)	73.2 (8.6)	65.9 (7.0)	
13	3.0 (0.9)	0.4 (0.1)	90.1 (13.5)	64.3 (9.6)	66.5 (4.5)	
14	1.8 (0.6)	0.7 (0.2)	85.1 (9.5)	60.8 (6.8)	62.3 (3.9)	44.2 (2.8)
15	2.0 (0.2)	0.6 (0.1)	84.2 (11.3)	60.1 (8.1)	63.7 (3.2)	45.2 (2.3)
16	2.6 (0.3)	0.7 (0.3)	90.0 (9.7)	64.2 (6.9)	62.7 (3.5)	44.5 (2.5)
17	4.0 (0.7)	1.6 (0.5)	90.6 (11.3)	64.7 (8.1)	69.7 (4.7)	49.5 (3.3)
18	4.0 (1.8)	1.3 (0.9)	92.2 (9.3)	65.9 (6.6)	74.8 (7.1)	53.2 (5.0)
19	2.4 (1.3)	-0.1 (0.1)	121.0 (9.0)	86.5 (6.4)	81.0 (7.8)	57.5 (5.6)
20	3.7 (1.5)	0.2 (0.1)	105.0 (20.0)	75.1 (14.2)	79.7 (6.2)	56.6 (4.4)
21	2.2 (0.5)	0.6 (0.3)	95.0 (10.5)	67.8 (7.5)	78.5 (7.1)	55.8 (5.1)
22	3.6 (0.7)	0.3 (0.2)	98.7 (17.0)	70.4 (12.1)	82.9 (3.8)	58.9 (2.7)
23	3.0 (0.5)	0.4 (0.4)	95.5 (11.4)	68.1 (8.1)	92.3 (4.7)	65.7 (3.2)
24	2.5 (0.4)	0.9 (0.4)	90.8 (9.4)	64.8 (6.7)	98.6 (3.5)	70.3 (2.5)
25	6.1 (1.2)	2.2 (0.6)	91.8 (8.3)	65.5 (5.9)	95.5 (14.3)	68.2 (10.2)
26	4.7 (1.1)	1.3 (0.4)	93.9 (6.1)	67.1 (4.4)	92.0 (13.2)	65.9 (9.4)
27	2.9 (1.2)	1.2 (0.4)	98.8 (6.4)	70.6 (4.6)	102.0 (8.8)	73.1 (6.2)
28	2.8 (0.3)	0.7 (0.3)	99.5 (12.8)	71.0 (9.1)	89.6 (5.2)	63.9 (3.7)
Avg	4.2	1	103	73.4	85.5	58.2
n	28	28	28	28	28	15
SD	1.8	0.5	12.3	8.8	15.3	9.2
Min	1.8	-0.1	84.2	60.1	62.3	44.2
Max	8.0	2.2	126.0	89.6	114.0	73.1

Table F9. Daily means (SD) of NH3 concentrations at site IN2H for March, 2009.

Day	Inlets		House 6		House 7	
	H6, ppm	H7, ppm	ppm	mg·dsm^{-3}	ppm	mg·dsm^{-3}
1	2.0 (1.1)	1.3 (0.5)	96.8 (9.4)	69.1 (6.7)	93.0 (8.9)	66.3 (6.4)
2	0.9 (0.3)	1.0 (0.2)	92.8 (15.0)	66.2 (10.7)	86.5 (8.3)	61.7 (5.9)
3	2.2 (0.8)	1.2 (0.3)	84.6 (14.0)	60.3 (10.0)	85.5 (6.1)	61.0 (4.3)
4	4.3 (1.4)	2.1 (0.4)	83.3 (11.4)	59.4 (8.1)	91.4 (5.9)	65.2 (4.2)
5	4.6 (1.2)	2.2 (0.6)	90.0 (13.6)	64.2 (9.6)	78.9 (12.2)	56.3 (8.7)
6	3.6 (0.4)	1.5 (0.2)	85.5 (12.5)	61.2 (8.9)	71.2 (11.6)	51.0 (8.3)
7	4.7 (0.7)	1.9 (0.4)	76.5 (7.3)	54.7 (5.2)	82.2 (18.6)	58.8 (13.3)
8	3.2 (1.0)	1.2 (0.5)	72.1 (17.6)	51.6 (12.7)	94.1 (13.6)	67.3 (9.8)
9	2.1 (1.1)	0.9 (0.2)	70.0 (16.9)	50.0 (12.1)	95.4 (3.0)	68.2 (2.1)
10	5.5 (1.9)	1.6 (0.6)	77.4 (8.2)	55.4 (5.8)	87.1 (16.0)	62.4 (11.4)
11	1.6 (0.6)	0.4 (0.2)	87.4 (5.4)	62.3 (3.8)	81.2 (6.6)	57.9 (4.7)
12	1.5 (0.6)	0.5 (0.2)	81.8 (10.7)	58.4 (7.6)	88.1 (8.9)	62.9 (6.3)
13	1.3 (0.1)	0.7 (0.2)	82.2 (9.6)	58.7 (6.9)	84.6 (4.8)	60.4 (3.4)
14	2.5 (1.0)	0.9 (0.3)	87.4 (5.4)	62.4 (3.8)	84.7 (5.7)	60.4 (4.0)
15	2.2 (0.4)	0.4 (0.2)	88.7 (7.0)	63.3 (5.0)	83.6 (6.9)	59.7 (5.0)
16	4.2 (1.0)	1.1 (0.8)	79.5 (10.5)	56.7 (7.6)	81.6 (9.8)	58.2 (7.0)
17	4.7 (1.5)	2.4 (1.2)	70.9 (11.2)	50.6 (8.0)	68.6 (16.9)	49.1 (12.1)
18	2.2 (1.1)	1.4 (0.3)	73.2 (13.3)	52.2 (9.5)	71.1 (7.0)	50.8 (5.0)
19	0.5 (0.4)	1.1 (0.5)	74.9 (9.4)	53.4 (6.7)	75.9 (4.3)	54.2 (3.0)
20	0.4 (0.2)	0.8 (0.5)	79.4 (11.7)	56.7 (8.3)	81.7 (10.5)	58.3 (7.5)
21	2.3 (0.7)	1.1 (0.6)	72.9 (9.7)	52.0 (6.9)	73.4 (8.4)	52.4 (6.0)
22	2.2 (0.1)	1.2 (0.2)	65.6 (10.9)	47.3 (7.8)		
23	2.9 (0.6)	0.9 (0.1)	76.5 (14.6)	54.6 (10.4)	78.6 (7.2)	56.1 (5.1)
24	2.9 (0.7)	1.3 (0.5)	78.5 (16.4)	56.0 (11.7)	71.2 (15.2)	50.8 (10.8)
25	5.5 (3.5)	2.6 (1.9)	68.1 (5.6)	48.7 (4.1)	66.7 (4.3)	47.7 (3.1)
26	1.2 (0.2)	1.3 (0.4)	66.7 (11.8)	47.7 (8.5)	71.1 (7.2)	50.8 (5.1)
27	0.8 (0.3)	1.1 (0.0)				
28	0.5 (0.2)	0.9 (0.4)	64.2 (11.6)	45.8 (8.3)	74.3 (4.0)	53.1 (2.9)
29	1.5 (0.8)	1.0 (0.5)	71.5 (12.2)	51.1 (8.7)	71.3 (2.9)	50.9 (2.1)
30	2.5 (0.8)	1.1 (0.7)	68.8 (19.4)	49.1 (13.9)	74.8 (5.8)	53.4 (4.1)
31	3.1 (0.9)	2.2 (1.7)	53.1 (12.0)	37.9 (8.6)	77.8 (4.9)	55.6 (3.5)
Avg	2.6	1.3	77.4	55.2	80.2	57.3
n	31	31	30	30	29	29
SD	1.4	0.6	9.5	6.7	7.9	5.6
Min	0.4	0.4	53.1	37.9	66.7	47.7
Max	5.5	2.6	96.8	69.1	95.4	68.2

Table F9. Daily means (SD) of NH3 concentrations at site IN2H for April, 2009.

Day	Inlets		House 6		House 7	
	H6, ppm	H7, ppm	ppm	mg·dsm^{-3}	ppm	mg·dsm^{-3}
1	4.3 (1.6)	3.3 (1.4)	39.4 (21.2)	28.0 (15.1)	78.7 (5.9)	56.2 (4.3)
2	3.7 (2.0)	1.5 (1.5)	38.2 (18.8)	27.2 (13.4)	74.7 (13.1)	53.4 (9.4)
3	0.2 (0.4)	0.6 (0.2)	49.9 (20.3)	35.6 (14.5)	84.2 (5.5)	60.2 (4.0)
4	1.0 (0.3)	0.5 (0.3)	127.0 (21.9)	90.4 (15.7)	83.8 (7.0)	59.8 (5.0)
5	1.4 (1.1)	0.7 (0.1)	110.0 (38.4)	78.7 (27.4)	83.8 (5.5)	59.9 (3.9)
6	-0.3 (0.2)	0.5 (0.3)	47.1 (19.3)	33.5 (13.8)	88.5 (5.6)	63.2 (3.9)
7	0.2 (0.9)	0.3 (0.1)	58.5 (27.0)	41.7 (19.3)	96.1 (6.8)	68.6 (4.9)
8	2.3 (0.5)	1.2 (0.4)	55.5 (22.1)	39.5 (15.7)	88.3 (6.4)	63.1 (4.6)
9	2.1 (0.7)	0.8 (0.4)	52.2 (26.6)	37.2 (19.0)	85.9 (8.8)	61.3 (6.3)
10	0.1 (0.2)	0.6 (0.2)	43.7 (15.0)	31.1 (10.7)	74.7 (4.6)	53.4 (3.3)
11	0.2 (0.1)	0.9 (0.1)	50.4 (13.9)	35.8 (9.9)	78.9 (4.9)	56.4 (3.5)
12	1.4 (0.6)	0.5 (0.3)	44.7 (8.6)	31.8 (6.1)	81.8 (3.5)	58.4 (2.5)
13	2.1 (0.8)	0.9 (0.1)	43.3 (13.7)	30.8 (9.8)	90.7 (5.9)	64.9 (4.1)
14	0.6 (0.2)	1.3 (0.4)	35.1 (11.5)	25.0 (8.2)	90.2 (7.0)	64.6 (5.0)
15	1.0 (0.5)	1.9 (0.5)	29.4 (9.3)	20.9 (6.6)	94.1 (11.3)	67.3 (8.1)
16	1.8 (0.4)	0.9 (0.2)	26.5 (7.4)	18.8 (5.3)	79.3 (9.3)	56.6 (6.7)
17		5.1 (4.7)	26.0 (8.7)	18.5 (6.2)	63.0 (15.2)	45.0 (10.9)
18		12.2 (2.1)				
19		4.9 (2.0)				
20	0.6 (0.6)	3.6 (1.9)	36.3 (3.4)	25.9 (2.5)	80.9 (4.8)	57.8 (3.4)
21	1.5 (0.8)	2.3 (0.5)	40.3 (4.4)	28.7 (3.1)	77.9 (4.3)	55.7 (3.1)
22	0.9 (0.7)	2.3 (0.9)	35.6 (10.9)	25.4 (7.8)	75.7 (8.1)	54.1 (5.8)
23	2.8 (1.8)	6.4 (2.7)	33.4 (9.0)	23.8 (6.4)	72.3 (9.4)	51.6 (6.7)
24						
25						
26						
27						
28						
29						
30						
Avg	1.4	2.3	48.7	34.7	82.1	58.6
n	20	23	21	21	21	21
SD	1.2	2.7	24.4	17.4	7.7	5.5
Min	-0.3	0.3	26.0	18.5	63.0	45.0
Max	4.3	12.2	127.0	90.4	96.1	68.6

Table F9. Daily means (SD) of NH3 concentrations at site IN2H for May, 2009.

Day	Inlets		House 6		House 7	
	H6, ppm	H7, ppm	ppm	mg·dsm^{-3}	ppm	mg·dsm^{-3}
1	1.4 (0.3)	4.4 (2.9)	22.9 (5.1)	16.3 (3.6)	49.3 (7.2)	35.3 (5.1)
2						
3						
4						
5						
6						
7	3.6 (0.6)	11.1 (6.6)	20.3 (7.2)	14.8 (5.1)	45.0 (11.6)	32.8 (8.0)
8	3.2 (0.3)	21.0 (2.0)	18.8 (4.5)	13.5 (3.2)	43.9 (8.2)	31.4 (5.9)
9	1.2 (1.2)	5.8 (5.2)	24.4 (4.1)	17.4 (2.9)	47.2 (7.0)	33.7 (5.0)
10	1.6 (0.7)	9.8 (6.0)	27.7 (9.2)	19.7 (6.6)	51.5 (8.2)	36.8 (5.9)
11	1.2 (0.3)	12.8 (2.9)	28.3 (5.9)	20.2 (4.2)	51.2 (6.0)	36.5 (4.3)
12	1.7 (0.5)	17.6 (1.3)	25.7 (11.0)	18.3 (7.8)	45.9 (9.6)	32.8 (6.8)
13	3.0 (1.4)	20.1 (1.2)	20.8 (6.8)	14.8 (4.8)	49.0 (7.2)	35.0 (5.1)
14	1.5 (1.1)	16.4 (2.5)	18.5 (4.1)	13.2 (2.9)	45.0 (6.5)	32.2 (4.7)
15	1.0 (0.6)	20.5 (2.5)	22.9 (7.6)	16.3 (5.5)	50.3 (11.0)	36.0 (7.9)
16	0.4 (0.5)	15.9 (6.8)	21.1 (5.0)	15.1 (3.5)	54.0 (7.8)	38.6 (5.6)
17	-0.2 (0.1)	8.4 (4.0)	29.5 (6.4)	21.0 (4.5)	59.5 (5.3)	42.4 (3.9)
18	5.0 (2.5)	24.6 (4.8)	24.0 (9.3)	17.1 (6.6)	55.4 (9.6)	39.5 (6.9)
19	3.7 (2.4)	17.1 (2.5)	16.9 (7.0)	12.0 (5.0)	43.8 (14.3)	31.3 (10.2)
20	1.2 (0.2)	10.6 (1.4)				
21	0.8 (0.6)	7.7 (1.6)	11.8 (4.7)	8.4 (3.3)	18.5 (9.3)	13.2 (6.7)
22						
23						
24						
25						
26						
27						
28						
29						
30						
31						
Avg	1.9	14	22.2	15.9	47.3	33.8
n	16	16	15	15	15	15
SD	1.4	5.8	4.6	3.2	8.8	6.3
Min	-0.2	4.4	11.8	8.4	18.5	13.2
Max	5.0	24.6	29.5	21.0	59.5	42.4

Table F10. Ammonia emissions.

Table F10. Daily means (SD) of ammonia emissions at site IN2H for June, 2007.

Day	House 6				House 7			
	$kg \cdot d^{-1}$	$g \cdot d^{-1} m^{2}$	$g \cdot d^{-1} hd^{-2}$	$g \cdot d^{-1} AU^{-1}$	$kg \cdot d^{-1}$	$g \cdot d^{-1} m^{2}$	$g \cdot d^{-1} hd^{-2}$	$g \cdot d^{-1} AU^{-1}$
1	310.0 (28.7)	51.3 (4.8)	1.33 (0.12)	466.0 (43.1)	296.0 (65.8)	48.9 (10.9)	1.32 (0.29)	420.0 (93.5)
2								
3	296.0 (59.4)	49.0 (9.8)	1.27 (0.26)	447.0 (89.7)	271.0 (42.3)	44.8 (7.0)	1.21 (0.19)	385.0 (60.2)
4	253.0 (68.8)	41.9 (11.4)	1.09 (0.30)	383.0 (104.0)	322.0 (91.7)	53.2 (15.2)	1.44 (0.41)	458.0 (130.0)
5	222.0 (64.9)	36.7 (10.7)	0.96 (0.28)	336.0 (98.5)	259.0 (92.8)	42.8 (15.4)	1.16 (0.42)	368.0 (132.0)
6	267.0 (95.4)	44.2 (15.8)	1.15 (0.41)	406.0 (145.0)	292.0 (88.6)	48.3 (14.7)	1.30 (0.40)	416.0 (126.0)
7	457.0 (97.3)	75.7 (16.1)	1.97 (0.42)	696.0 (149.0)	363.0 (62.0)	60.0 (10.3)	1.62 (0.28)	516.0 (88.3)
8	479.0 (140.0)	79.3 (23.1)	2.06 (0.60)	731.0 (213.0)	291.0 (51.7)	48.2 (8.6)	1.30 (0.23)	415.0 (73.6)
9	212.0 (62.1)	35.1 (10.3)	0.92 (0.27)	323.0 (94.5)	265.0 (74.3)	43.8 (12.3)	1.18 (0.33)	377.0 (106.0)
10	166.0 (41.0)	27.6 (6.8)	0.72 (0.18)	252.0 (62.1)	214.0 (59.9)	35.4 (9.9)	0.96 (0.27)	304.0 (85.1)
11	209.0 (34.5)	34.6 (5.7)	0.90 (0.15)	316.0 (52.1)	262.0 (64.2)	43.4 (10.6)	1.17 (0.29)	372.0 (91.1)
12	225.0 (25.5)	37.3 (4.2)	0.97 (0.11)	338.0 (38.4)	254.0 (70.5)	42.0 (11.7)	1.14 (0.32)	359.0 (99.9)
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27								
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29								
30								
Avg	281.0	46.6	1.21	427.0	281.0	46.5	1.25	399.0
n	11	11	11	11	11	11	11	11
SD	96.2	15.9	0.42	147.0	37.1	6.2	0.17	53.2
Min	166.0	27.6	0.72	252.0	214.0	35.4	0.96	304.0
Max	479.0	79.3	2.06	731.0	363.0	60.0	1.62	516.0

Table F10. Daily means (SD) of ammonia emissions at site IN2H for July, 2007.

Day	House 6				House 7			
	$kg \cdot d^{-1}$	$g \cdot d^{-1} m^{2}$	$g \cdot d^{-1} hd^{-2}$	$g \cdot d^{-1} AU^{-1}$	$kg \cdot d^{-1}$	$g \cdot d^{-1} m^{2}$	$g \cdot d^{-1} hd^{-2}$	$g \cdot d^{-1} AU^{-1}$
1								
2								
3								
4								
5								
6								
7								
8								
9	395.0 (24.7)	65.4 (4.1)	1.67 (0.11)	566.0 (35.4)	217.0 (22.3)	36.0 (3.7)	0.94 (0.10)	384.0 (39.4)
10	373.0 (44.3)	61.7 (7.3)	1.58 (0.19)	534.0 (63.5)	227.0 (18.1)	37.6 (3.0)	0.98 (0.08)	399.0 (32.1)
11								
12	219.0 (53.6)	36.2 (8.9)	0.93 (0.23)	313.0 (77.0)	194.0 (39.5)	32.2 (6.5)	0.84 (0.17)	337.0 (68.4)
13	195.0 (64.7)	32.3 (10.7)	0.83 (0.28)	280.0 (92.8)	204.0 (71.5)	33.7 (11.8)	0.88 (0.31)	351.0 (124.0)
14	280.0 (109.0)	46.4 (18.0)	1.20 (0.46)	402.0 (156.0)	206.0 (52.9)	34.1 (8.8)	0.89 (0.23)	354.0 (91.0)
15	227.0 (65.6)	37.5 (10.9)	0.97 (0.28)	326.0 (94.3)	210.0 (32.5)	34.7 (5.4)	0.90 (0.14)	358.0 (55.5)
16								
17								
18	310.0 (91.5)	51.3 (15.2)	1.33 (0.39)	446.0 (132.0)	283.0 (29.6)	46.9 (4.9)	1.22 (0.13)	475.0 (49.4)
19	205.0 (66.4)	34.0 (11.0)	0.89 (0.29)	296.0 (95.6)	293.0 (50.9)	48.5 (8.4)	1.26 (0.22)	489.0 (85.4)
20	153.0 (49.7)	25.3 (8.2)	0.66 (0.22)	220.0 (71.6)	246.0 (61.5)	40.7 (10.2)	1.06 (0.27)	409.0 (102.0)
21	115.0 (36.0)	19.0 (6.0)	0.50 (0.16)	166.0 (52.0)	254.0 (54.3)	42.1 (9.0)	1.09 (0.23)	420.0 (89.7)
22	93.7 (34.0)	15.5 (5.6)	0.41 (0.15)	136.0 (49.2)	239.0 (47.4)	39.6 (7.9)	1.03 (0.20)	393.0 (77.8)
23	121.0 (54.1)	20.0 (9.0)	0.52 (0.23)	175.0 (78.5)	260.0 (44.5)	43.0 (7.4)	1.12 (0.19)	425.0 (72.7)
24	76.6 (16.1)	12.7 (2.7)	0.33 (0.07)	111.0 (23.5)	239.0 (50.5)	39.5 (8.4)	1.03 (0.22)	388.0 (82.5)
25								
26	119.0 (42.0)	19.7 (7.0)	0.51 (0.18)	174.0 (61.5)	297.0 (29.8)	49.2 (4.9)	1.28 (0.13)	478.0 (48.1)
27								
28								
29								
30								
31								
Avg	206.0	34.1	0.88	296.0	241.0	39.8	1.04	404.0
n	14	14	14	14	14	14	14	14
SD	98.5	16.3	0.42	141.0	32.4	5.4	0.14	47.2
Min	76.6	12.7	0.33	111.0	194.0	32.2	0.84	337.0
Max	395.0	65.4	1.67	566.0	297.0	49.2	1.28	489.0

Table F10. Daily means (SD) of ammonia emissions at site IN2H for August, 2007.

Day	House 6				House 7			
	$kg \cdot d^{-1}$	$g \cdot d^{-1} m^{2}$	$g \cdot d^{-1} hd^{-2}$	$g \cdot d^{-1} AU^{-1}$	$kg \cdot d^{-1}$	$g \cdot d^{-1} m^{2}$	$g \cdot d^{-1} hd^{-2}$	$g \cdot d^{-1} AU^{-1}$
1								
2	84.8 (27.5)	14.0 (4.6)	0.37 (0.12)	125.0 (40.7)	216.0 (73.2)	35.7 (12.1)	0.93 (0.32)	340.0 (115.0)
3								
4								
5								
6								
7								
8								
9								
10	169.0 (26.3)	28.0 (4.4)	0.73 (0.11)	254.0 (39.5)	166.0 (43.6)	27.5 (7.2)	0.72 (0.19)	261.0 (68.6)
11	152.0 (35.6)	25.1 (5.9)	0.66 (0.15)	228.0 (53.4)	107.0 (45.4)	17.6 (7.5)	0.46 (0.20)	167.0 (71.2)
12								
13								
14								
15								
16								
17								
18	170.0 (54.5)	28.1 (9.0)	0.74 (0.24)	254.0 (81.3)	147.0 (27.7)	24.3 (4.6)	0.63 (0.12)	225.0 (42.3)
19	177.0 (32.9)	29.4 (5.5)	0.77 (0.14)	265.0 (49.1)	175.0 (25.2)	29.0 (4.2)	0.76 (0.11)	268.0 (38.6)
20	213.0 (49.3)	35.3 (8.2)	0.92 (0.21)	318.0 (73.6)				
21								
22								
23								
24					284.0 (50.6)	47.1 (8.4)	1.23 (0.22)	438.0 (78.0)
25	212.0 (26.5)	35.1 (4.4)	0.92 (0.12)	317.0 (39.7)				
26	150.0 (42.9)	24.8 (7.1)	0.65 (0.19)	223.0 (63.9)				
27	147.0 (38.6)	24.4 (6.4)	0.64 (0.17)	219.0 (57.3)				
28	213.0 (50.8)	35.2 (8.4)	0.92 (0.22)	316.0 (75.3)	282.0 (44.1)	46.8 (7.3)	1.22 (0.19)	438.0 (68.4)
29	217.0 (52.5)	36.0 (8.7)	0.94 (0.23)	322.0 (77.7)	287.0 (34.5)	47.6 (5.7)	1.24 (0.15)	447.0 (53.7)
30	146.0 (24.9)	24.2 (4.1)	0.63 (0.11)	216.0 (36.9)	254.0 (40.1)	42.0 (6.6)	1.10 (0.17)	396.0 (62.3)
31					176.0 (53.3)	29.1 (8.8)	0.76 (0.23)	274.0 (83.2)
Avg	171.0	28.3	0.74	255.0	209.0	34.7	0.90	326.0
n	12	12	12	12	10	10	10	10
SD	37.4	6.2	0.16	55.8	61.4	10.2	0.27	95.2
Min	84.8	14.0	0.37	125.0	107.0	17.6	0.46	167.0
Max	217.0	36.0	0.94	322.0	287.0	47.6	1.24	447.0

Table F10. Daily means (SD) of ammonia emissions at site IN2H for September, 2007.

Day	House 6				House 7			
	$kg \cdot d^{-1}$	$g \cdot d^{-1} m^{2}$	$g \cdot d^{-1} hd^{-2}$	$g \cdot d^{-1} AU^{-1}$	$kg \cdot d^{-1}$	$g \cdot d^{-1} m^{2}$	$g \cdot d^{-1} hd^{-2}$	$g \cdot d^{-1} AU^{-1}$
1					158.0 (23.8)	26.2 (3.9)	0.68 (0.10)	247.0 (37.0)
2					172.0 (18.0)	28.5 (3.0)	0.74 (0.08)	267.0 (27.8)
3					207.0 (27.7)	34.3 (4.6)	0.90 (0.12)	321.0 (43.1)
4					250.0 (33.9)	41.5 (5.6)	1.08 (0.15)	386.0 (52.6)
5					274.0 (37.0)	45.4 (6.1)	1.19 (0.16)	422.0 (57.2)
6					249.0 (60.7)	41.2 (10.1)	1.07 (0.26)	381.0 (93.3)
7					206.0 (19.3)	34.2 (3.2)	0.89 (0.08)	315.0 (29.2)
8					271.0 (40.8)	44.8 (6.8)	1.17 (0.18)	412.0 (62.1)
9					298.0 (67.9)	49.3 (11.2)	1.29 (0.29)	453.0 (103.0)
10					250.0 (32.8)	41.4 (5.4)	1.08 (0.14)	380.0 (50.0)
11								
12					191.0 (67.2)	31.7 (11.1)	0.83 (0.29)	291.0 (102.0)
13								
14								
15								
16								
17								
18								
19								
20	226.0 (75.7)	37.4 (12.5)	0.98 (0.33)	334.0 (112.0)	258.0 (37.4)	42.7 (6.2)	1.12 (0.16)	384.0 (55.9)
21	223.0 (58.8)	36.9 (9.7)	0.97 (0.26)	329.0 (86.8)				
22	225.0 (88.7)	37.2 (14.7)	0.98 (0.39)	332.0 (131.0)	211.0 (63.0)	35.0 (10.4)	0.92 (0.27)	313.0 (93.4)
23	206.0 (73.9)	34.1 (12.2)	0.89 (0.32)	304.0 (109.0)	178.0 (49.6)	29.5 (8.2)	0.77 (0.21)	262.0 (72.7)
24	283.0 (129.0)	46.9 (21.4)	1.23 (0.56)	418.0 (191.0)	232.0 (80.3)	38.3 (13.3)	1.00 (0.35)	339.0 (117.0)
25	268.0 (72.4)	44.3 (12.0)	1.16 (0.32)	395.0 (107.0)	308.0 (37.7)	51.1 (6.2)	1.33 (0.16)	449.0 (55.1)
26	212.0 (67.3)	35.1 (11.1)	0.92 (0.29)	313.0 (99.4)				
27								
28					206.0 (104.0)	34.2 (17.2)	0.89 (0.45)	297.0 (149.0)
29	162.0 (54.3)	26.9 (9.0)	0.71 (0.24)	240.0 (80.2)	216.0 (73.2)	35.7 (12.1)	0.93 (0.32)	309.0 (105.0)
30	211.0 (67.9)	34.9 (11.2)	0.92 (0.30)	311.0 (100.0)	252.0 (62.9)	41.7 (10.4)	1.09 (0.27)	362.0 (90.3)
Avg	224.0	37.1	0.97	331.0	231.0	38.3	1.00	347.0
n	9	9	9	9	19	19	19	19
SD	33.1	5.5	0.14	49.0	40.8	6.8	0.18	61.0
Min	162.0	26.9	0.71	240.0	158.0	26.2	0.68	247.0
Max	283.0	46.9	1.23	418.0	308.0	51.1	1.33	453.0

Table F10. Daily means (SD) of ammonia emissions at site IN2H for October, 2007.

Day	House 6				House 7			
	$kg \cdot d^{-1}$	$g \cdot d^{-1} m^{2}$	$g \cdot d^{-1} hd^{-2}$	$g \cdot d^{-1} AU^{-1}$	$kg \cdot d^{-1}$	$g \cdot d^{-1} m^{2}$	$g \cdot d^{-1} hd^{-2}$	$g \cdot d^{-1} AU^{-1}$
1	230.0 (76.8)	38.1 (12.7)	1.00 (0.33)	338.0 (113.0)	251.0 (34.5)	41.5 (5.7)	1.09 (0.15)	360.0 (49.5)
2	231.0 (40.4)	38.2 (6.7)	1.00 (0.18)	339.0 (59.2)	264.0 (50.6)	43.7 (8.4)	1.14 (0.22)	380.0 (72.8)
3	187.0 (35.6)	30.9 (5.9)	0.81 (0.16)	273.0 (52.3)	253.0 (47.3)	41.9 (7.8)	1.09 (0.21)	364.0 (68.1)
4	206.0 (82.4)	34.1 (13.6)	0.90 (0.36)	301.0 (121.0)	279.0 (58.5)	46.2 (9.7)	1.21 (0.25)	402.0 (84.3)
5	296.0 (110.0)	49.1 (18.1)	1.29 (0.48)	433.0 (160.0)	336.0 (35.7)	55.7 (5.9)	1.45 (0.16)	485.0 (51.5)
6	286.0 (82.8)	47.3 (13.7)	1.24 (0.36)	417.0 (121.0)	348.0 (32.6)	57.7 (5.4)	1.51 (0.14)	504.0 (47.8)
7	205.0 (93.9)	34.0 (15.5)	0.89 (0.41)	299.0 (137.0)	347.0 (43.8)	57.4 (7.3)	1.50 (0.19)	505.0 (64.3)
8	238.0 (70.7)	39.4 (11.7)	1.03 (0.31)	347.0 (103.0)	338.0 (32.7)	56.0 (5.4)	1.46 (0.14)	496.0 (48.3)
9	157.0 (64.0)	26.1 (10.6)	0.68 (0.28)	230.0 (93.3)	258.0 (107.0)	42.8 (17.7)	1.12 (0.46)	382.0 (158.0)
10	88.2 (44.1)	14.6 (7.3)	0.38 (0.19)	129.0 (64.4)	157.0 (67.2)	26.0 (11.1)	0.68 (0.29)	233.0 (99.8)
11	129.0 (63.4)	21.3 (10.5)	0.56 (0.28)	188.0 (92.4)	192.0 (107.0)	31.8 (17.8)	0.83 (0.46)	288.0 (161.0)
12	170.0 (78.9)	28.1 (13.1)	0.74 (0.34)	248.0 (115.0)	239.0 (119.0)	39.6 (19.8)	1.04 (0.52)	361.0 (180.0)
13	167.0 (74.4)	27.7 (12.3)	0.73 (0.32)	245.0 (109.0)	225.0 (85.7)	37.2 (14.2)	0.97 (0.37)	340.0 (130.0)
14	182.0 (71.6)	30.1 (11.9)	0.79 (0.31)	268.0 (106.0)	255.0 (76.7)	42.2 (12.7)	1.10 (0.33)	385.0 (116.0)
15	214.0 (89.7)	35.5 (14.9)	0.93 (0.39)	318.0 (133.0)	288.0 (83.9)	47.7 (13.9)	1.25 (0.36)	435.0 (127.0)
16	207.0 (59.1)	34.2 (9.8)	0.90 (0.26)	309.0 (88.3)	300.0 (49.5)	49.7 (8.2)	1.30 (0.21)	453.0 (74.7)
17	231.0 (70.9)	38.2 (11.7)	1.00 (0.31)	347.0 (107.0)	309.0 (76.1)	51.2 (12.6)	1.34 (0.33)	466.0 (115.0)
18	307.0 (94.7)	50.8 (15.7)	1.33 (0.41)	465.0 (144.0)	387.0 (51.4)	64.1 (8.5)	1.68 (0.22)	583.0 (77.3)
19	231.0 (80.2)	38.3 (13.3)	1.01 (0.35)	353.0 (123.0)	266.0 (68.1)	44.1 (11.3)	1.15 (0.30)	401.0 (102.0)
20	196.0 (70.5)	32.4 (11.7)	0.85 (0.31)	300.0 (108.0)	243.0 (64.5)	40.2 (10.7)	1.05 (0.28)	365.0 (97.1)
21	185.0 (58.7)	30.7 (9.7)	0.81 (0.26)	284.0 (90.0)	265.0 (64.9)	43.8 (10.7)	1.15 (0.28)	399.0 (97.8)
22	219.0 (80.5)	36.3 (13.3)	0.96 (0.35)	336.0 (123.0)	257.0 (71.9)	42.6 (11.9)	1.11 (0.31)	388.0 (108.0)
23	167.0 (76.0)	27.6 (12.6)	0.73 (0.33)	255.0 (117.0)	188.0 (73.7)	31.1 (12.2)	0.81 (0.32)	284.0 (111.0)
24	184.0 (71.3)	30.5 (11.8)	0.80 (0.31)	282.0 (109.0)	187.0 (104.0)	31.0 (17.3)	0.81 (0.45)	283.0 (158.0)
25	195.0 (101.0)	32.2 (16.7)	0.85 (0.44)	298.0 (154.0)	168.0 (75.1)	27.8 (12.4)	0.73 (0.33)	254.0 (114.0)
26	234.0 (68.2)	38.8 (11.3)	1.02 (0.30)	359.0 (105.0)	240.0 (81.7)	39.7 (13.5)	1.04 (0.35)	363.0 (124.0)
27	246.0 (98.1)	40.8 (16.2)	1.07 (0.43)	376.0 (150.0)	193.0 (77.6)	31.9 (12.8)	0.84 (0.34)	291.0 (117.0)
28	220.0 (88.6)	36.5 (14.7)	0.96 (0.39)	333.0 (134.0)	165.0 (87.7)	27.4 (14.5)	0.72 (0.38)	247.0 (131.0)
29	191.0 (89.5)	31.6 (14.8)	0.83 (0.39)	287.0 (134.0)	168.0 (79.9)	27.9 (13.2)	0.73 (0.35)	249.0 (119.0)
30	223.0 (86.9)	37.0 (14.4)	0.97 (0.38)	332.0 (129.0)	189.0 (80.9)	31.3 (13.4)	0.82 (0.35)	278.0 (119.0)
31	217.0 (93.9)	35.9 (15.6)	0.94 (0.41)	320.0 (139.0)	210.0 (83.8)	34.8 (13.9)	0.91 (0.36)	306.0 (122.0)
Avg	208.0	34.4	0.90	310.0	250.0	41.5	1.08	372.0
n	31	31	31	31	31	31	31	31
SD	44.1	7.3	0.19	66.3	60.1	10.0	0.26	87.7
Min	88.2	14.6	0.38	129.0	157.0	26.0	0.68	233.0
Max	307.0	50.8	1.33	465.0	387.0	64.1	1.68	583.0

Table F10. Daily means (SD) of ammonia emissions at site IN2H for November, 2007.

Day	House 6				House 7			
	$kg \cdot d^{-1}$	$g \cdot d^{-1} m^{2}$	$g \cdot d^{-1} hd^{-2}$	$g \cdot d^{-1} AU^{-1}$	$kg \cdot d^{-1}$	$g \cdot d^{-1} m^{2}$	$g \cdot d^{-1} hd^{-2}$	$g \cdot d^{-1} AU^{-1}$
1	193.0 (96.5)	32.0 (16.0)	0.84 (0.42)	282.0 (141.0)	180.0 (96.1)	29.8 (15.9)	0.78 (0.42)	260.0 (139.0)
2	175.0 (81.7)	29.1 (13.5)	0.76 (0.36)	254.0 (119.0)	152.0 (83.9)	25.1 (13.9)	0.66 (0.36)	217.0 (120.0)
3	181.0 (82.5)	30.0 (13.7)	0.79 (0.36)	262.0 (119.0)	144.0 (66.2)	23.9 (11.0)	0.63 (0.29)	207.0 (94.8)
4	195.0 (96.0)	32.2 (15.9)	0.85 (0.42)	284.0 (140.0)	161.0 (67.0)	26.6 (11.1)	0.70 (0.29)	232.0 (96.7)
5	197.0 (89.0)	32.6 (14.7)	0.86 (0.39)	289.0 (130.0)	166.0 (73.6)	27.6 (12.2)	0.72 (0.32)	242.0 (107.0)
6	135.0 (86.1)	22.4 (14.2)	0.59 (0.38)	200.0 (127.0)	141.0 (84.8)	23.4 (14.0)	0.61 (0.37)	207.0 (124.0)
7								
8								
9					220.0 (80.5)	36.4 (13.3)	0.95 (0.35)	330.0 (121.0)
10	228.0 (86.1)	37.7 (14.3)	0.99 (0.38)	345.0 (130.0)	243.0 (103.0)	40.2 (17.1)	1.05 (0.45)	366.0 (156.0)
11	214.0 (76.3)	35.5 (12.6)	0.94 (0.33)	324.0 (115.0)	257.0 (98.0)	42.6 (16.2)	1.12 (0.43)	387.0 (147.0)
12	314.0 (135.0)	52.0 (22.3)	1.37 (0.59)	475.0 (204.0)	400.0 (132.0)	66.3 (21.8)	1.74 (0.57)	602.0 (198.0)
13	315.0 (106.0)	52.2 (17.5)	1.37 (0.46)	477.0 (160.0)	339.0 (123.0)	56.1 (20.4)	1.47 (0.53)	509.0 (185.0)
14	314.0 (97.2)	52.0 (16.1)	1.37 (0.42)	474.0 (147.0)	365.0 (126.0)	60.5 (20.9)	1.59 (0.55)	549.0 (190.0)
15								
16	274.0 (117.0)	45.4 (19.4)	1.20 (0.51)	414.0 (177.0)	276.0 (116.0)	45.7 (19.1)	1.20 (0.50)	414.0 (174.0)
17	245.0 (98.5)	40.6 (16.3)	1.07 (0.43)	370.0 (149.0)	249.0 (97.9)	41.2 (16.2)	1.08 (0.43)	374.0 (147.0)
18	239.0 (94.7)	39.6 (15.7)	1.04 (0.41)	361.0 (143.0)	271.0 (105.0)	44.9 (17.4)	1.18 (0.46)	407.0 (158.0)
19	252.0 (87.7)	41.8 (14.5)	1.10 (0.38)	380.0 (132.0)	307.0 (111.0)	50.9 (18.4)	1.33 (0.48)	461.0 (167.0)
20	359.0 (89.5)	59.5 (14.8)	1.57 (0.39)	542.0 (135.0)	506.0 (134.0)	83.8 (22.2)	2.20 (0.58)	759.0 (201.0)
21	347.0 (129.0)	57.4 (21.3)	1.51 (0.56)	522.0 (194.0)				
22	245.0 (111.0)	40.6 (18.5)	1.07 (0.49)	370.0 (168.0)				
23	265.0 (169.0)	43.8 (28.0)	1.16 (0.74)	399.0 (255.0)	278.0 (138.0)	46.0 (22.8)	1.21 (0.60)	416.0 (207.0)
24								
25	236.0 (94.0)	39.2 (15.6)	1.03 (0.41)	357.0 (142.0)	277.0 (122.0)	45.8 (20.1)	1.20 (0.53)	415.0 (183.0)
26	252.0 (107.0)	41.7 (17.8)	1.10 (0.47)	380.0 (162.0)	269.0 (106.0)	44.5 (17.6)	1.17 (0.46)	404.0 (160.0)
27	303.0 (135.0)	50.2 (22.3)	1.32 (0.59)	458.0 (204.0)	308.0 (152.0)	51.0 (25.1)	1.34 (0.66)	464.0 (229.0)
28	312.0 (136.0)	51.7 (22.5)	1.36 (0.60)	473.0 (206.0)	352.0 (161.0)	58.3 (26.7)	1.53 (0.70)	532.0 (244.0)
29	329.0 (161.0)	54.5 (26.6)	1.44 (0.70)	499.0 (244.0)	280.0 (170.0)	46.3 (28.1)	1.21 (0.74)	424.0 (257.0)
30	353.0 (164.0)	58.5 (27.2)	1.54 (0.72)	536.0 (249.0)	363.0 (171.0)	60.0 (28.4)	1.57 (0.74)	550.0 (260.0)
Avg	259.0	42.9	1.13	389.0	271.0	44.9	1.18	405.0
n	25	25	25	25	24	24	24	24
SD	60.2	10.0	0.26	94.0	88.0	14.6	0.38	135.0
Min	135.0	22.4	0.59	200.0	141.0	23.4	0.61	207.0
Max	359.0	59.5	1.57	542.0	506.0	83.8	2.20	759.0

Table F10. Daily means (SD) of ammonia emissions at site IN2H for December, 2007.

Day	House 6				House 7			
	$kg \cdot d^{-1}$	$g \cdot d^{-1} m^{2}$	$g \cdot d^{-1} hd^{-2}$	$g \cdot d^{-1} AU^{-1}$	$kg \cdot d^{-1}$	$g \cdot d^{-1} m^{2}$	$g \cdot d^{-1} hd^{-2}$	$g \cdot d^{-1} AU^{-1}$
1	293.0 (146.0)	48.5 (24.2)	1.28 (0.64)	445.0 (222.0)	329.0 (174.0)	54.5 (28.7)	1.43 (0.75)	501.0 (264.0)
2	314.0 (126.0)	52.0 (20.9)	1.37 (0.55)	478.0 (192.0)	338.0 (143.0)	55.9 (23.7)	1.47 (0.62)	515.0 (218.0)
3	352.0 (184.0)	58.3 (30.5)	1.54 (0.80)	536.0 (280.0)	285.0 (176.0)	47.1 (29.2)	1.24 (0.77)	436.0 (270.0)
4	320.0 (151.0)	53.0 (25.0)	1.40 (0.66)	488.0 (230.0)	386.0 (196.0)	64.0 (32.5)	1.68 (0.85)	593.0 (301.0)
5	286.0 (151.0)	47.4 (24.9)	1.25 (0.66)	437.0 (230.0)	353.0 (185.0)	58.4 (30.6)	1.53 (0.80)	543.0 (285.0)
6								
7								
8	348.0 (149.0)	57.6 (24.7)	1.52 (0.65)	532.0 (229.0)				
9	351.0 (163.0)	58.1 (27.0)	1.54 (0.71)	538.0 (250.0)	366.0 (166.0)	60.6 (27.5)	1.59 (0.72)	566.0 (258.0)
10	319.0 (133.0)	52.9 (22.1)	1.40 (0.58)	490.0 (204.0)	364.0 (167.0)	60.2 (27.6)	1.58 (0.72)	562.0 (257.0)
11	312.0 (134.0)	51.7 (22.1)	1.37 (0.58)	479.0 (205.0)	351.0 (144.0)	58.2 (23.9)	1.53 (0.63)	542.0 (223.0)
12	349.0 (141.0)	57.8 (23.3)	1.53 (0.62)	536.0 (216.0)				
13	360.0 (158.0)	59.7 (26.2)	1.58 (0.69)	555.0 (243.0)	332.0 (148.0)	55.0 (24.5)	1.44 (0.64)	510.0 (227.0)
14	356.0 (162.0)	58.9 (26.8)	1.56 (0.71)	548.0 (249.0)	349.0 (168.0)	57.8 (27.8)	1.52 (0.73)	536.0 (257.0)
15								
16								
17								
18	323.0 (159.0)	53.5 (26.4)	1.41 (0.70)	503.0 (248.0)				
19	341.0 (143.0)	56.5 (23.7)	1.50 (0.63)	534.0 (224.0)				
20	329.0 (157.0)	54.4 (26.1)	1.44 (0.69)	516.0 (247.0)	334.0 (186.0)	55.3 (30.8)	1.45 (0.81)	514.0 (287.0)
21	323.0 (125.0)	53.5 (20.7)	1.42 (0.55)	509.0 (196.0)	345.0 (183.0)	57.1 (30.4)	1.50 (0.80)	532.0 (283.0)
22	319.0 (119.0)	52.8 (19.7)	1.40 (0.52)	503.0 (188.0)	337.0 (149.0)	55.8 (24.7)	1.47 (0.65)	520.0 (230.0)
23	326.0 (129.0)	54.0 (21.4)	1.43 (0.57)	514.0 (203.0)				
24	302.0 (146.0)	50.0 (24.2)	1.32 (0.64)	476.0 (231.0)				
25	319.0 (127.0)	52.8 (21.0)	1.40 (0.56)	503.0 (200.0)				
26	313.0 (137.0)	51.9 (22.8)	1.37 (0.60)	494.0 (217.0)	341.0 (164.0)	56.5 (27.1)	1.49 (0.71)	527.0 (253.0)
27	310.0 (111.0)	51.4 (18.4)	1.36 (0.49)	489.0 (175.0)	345.0 (144.0)	57.1 (23.8)	1.50 (0.63)	533.0 (222.0)
28	311.0 (128.0)	51.6 (21.3)	1.37 (0.56)	491.0 (203.0)	361.0 (158.0)	59.8 (26.2)	1.57 (0.69)	558.0 (244.0)
29	355.0 (144.0)	58.8 (23.9)	1.56 (0.63)	560.0 (228.0)	382.0 (180.0)	63.2 (29.9)	1.66 (0.79)	590.0 (279.0)
30	315.0 (136.0)	52.1 (22.5)	1.38 (0.60)	496.0 (214.0)	366.0 (165.0)	60.5 (27.3)	1.59 (0.72)	564.0 (254.0)
31	303.0 (114.0)	50.1 (18.8)	1.33 (0.50)	477.0 (179.0)	375.0 (156.0)	62.1 (25.9)	1.63 (0.68)	578.0 (241.0)
Avg	325.0	53.8	1.42	505.0	349.0	57.9	1.52	538.0
n	26	26	26	26	19	19	19	19
SD	20.1	3.3	0.09	30.8	22.4	3.7	0.10	35.5
Min	286.0	47.4	1.25	437.0	285.0	47.1	1.24	436.0
Max	360.0	59.7	1.58	560.0	386.0	64.0	1.68	593.0

Table F10. Daily means (SD) of ammonia emissions at site IN2H for January, 2008.

Day	House 6				House 7			
	$kg \cdot d^{-1}$	$g \cdot d^{-1} m^{2}$	$g \cdot d^{-1} hd^{-2}$	$g \cdot d^{-1} AU^{-1}$	$kg \cdot d^{-1}$	$g \cdot d^{-1} m^{2}$	$g \cdot d^{-1} hd^{-2}$	$g \cdot d^{-1} AU^{-1}$
1								
2								
3					368.0 (216.0)	60.9 (35.8)	1.60 (0.94)	565.0 (333.0)
4	311.0 (146.0)	51.5 (24.1)	1.37 (0.64)	488.0 (229.0)	299.0 (124.0)	49.6 (20.5)	1.31 (0.54)	460.0 (190.0)
5	299.0 (119.0)	49.6 (19.7)	1.31 (0.52)	470.0 (187.0)	372.0 (165.0)	61.6 (27.3)	1.62 (0.72)	571.0 (254.0)
6	322.0 (103.0)	53.3 (17.0)	1.41 (0.45)	506.0 (161.0)	846.0 (346.0)	140.0 (57.2)	3.69 (1.51)	1300.0 (532.0)
7	613.0 (217.0)	101.0 (35.9)	2.69 (0.95)	964.0 (341.0)	916.0 (246.0)	152.0 (40.8)	3.99 (1.07)	1410.0 (379.0)
8	488.0 (235.0)	80.9 (38.9)	2.15 (1.03)	769.0 (370.0)				
9	358.0 (200.0)	59.3 (33.2)	1.58 (0.88)	565.0 (316.0)	378.0 (150.0)	62.6 (24.8)	1.65 (0.65)	584.0 (231.0)
10								
11								
12	273.0 (120.0)	45.3 (19.8)	1.20 (0.53)	433.0 (189.0)	333.0 (153.0)	55.1 (25.4)	1.45 (0.67)	516.0 (237.0)
13	284.0 (141.0)	47.1 (23.4)	1.25 (0.62)	450.0 (224.0)	342.0 (166.0)	56.7 (27.5)	1.49 (0.73)	532.0 (258.0)
14	333.0 (150.0)	55.2 (24.8)	1.47 (0.66)	529.0 (238.0)	335.0 (179.0)	55.5 (29.7)	1.46 (0.78)	523.0 (279.0)
15	330.0 (178.0)	54.6 (29.5)	1.45 (0.78)	524.0 (283.0)	359.0 (188.0)	59.4 (31.1)	1.57 (0.82)	561.0 (294.0)
16	286.0 (186.0)	47.4 (30.8)	1.26 (0.82)	455.0 (295.0)	389.0 (209.0)	64.5 (34.6)	1.70 (0.91)	612.0 (328.0)
17					358.0 (194.0)	59.3 (32.2)	1.56 (0.85)	564.0 (306.0)
18								
19								
20	372.0 (169.0)	61.6 (28.0)	1.64 (0.75)	594.0 (270.0)	327.0 (132.0)	54.2 (21.8)	1.43 (0.58)	517.0 (208.0)
21	286.0 (130.0)	47.3 (21.5)	1.26 (0.57)	456.0 (207.0)	327.0 (115.0)	54.1 (19.0)	1.43 (0.50)	516.0 (181.0)
22	302.0 (107.0)	50.1 (17.7)	1.33 (0.47)	483.0 (171.0)	370.0 (179.0)	61.2 (29.7)	1.62 (0.79)	584.0 (283.0)
23	273.0 (108.0)	45.2 (17.9)	1.20 (0.48)	436.0 (173.0)	394.0 (215.0)	65.2 (35.6)	1.72 (0.94)	621.0 (339.0)
24	293.0 (107.0)	48.4 (17.7)	1.29 (0.47)	467.0 (170.0)	410.0 (243.0)	67.9 (40.3)	1.79 (1.06)	646.0 (383.0)
25	277.0 (121.0)	45.8 (20.0)	1.22 (0.53)	442.0 (193.0)	366.0 (185.0)	60.7 (30.6)	1.60 (0.81)	577.0 (291.0)
26	248.0 (85.8)	41.1 (14.2)	1.09 (0.38)	396.0 (137.0)	332.0 (106.0)	54.9 (17.6)	1.45 (0.47)	521.0 (167.0)
27	292.0 (93.9)	48.3 (15.5)	1.29 (0.41)	464.0 (149.0)	376.0 (167.0)	62.3 (27.7)	1.65 (0.73)	590.0 (263.0)
28	280.0 (93.7)	46.3 (15.5)	1.23 (0.41)	444.0 (149.0)	372.0 (176.0)	61.5 (29.1)	1.63 (0.77)	582.0 (276.0)
29	317.0 (129.0)	52.5 (21.3)	1.40 (0.57)	503.0 (204.0)	373.0 (170.0)	61.8 (28.2)	1.63 (0.75)	584.0 (266.0)
30	182.0 (110.0)	30.1 (18.2)	0.80 (0.49)	288.0 (174.0)	165.0 (110.0)	27.4 (18.2)	0.73 (0.48)	258.0 (171.0)
31	259.0 (109.0)	42.9 (18.1)	1.14 (0.48)	409.0 (172.0)	263.0 (135.0)	43.6 (22.3)	1.15 (0.59)	410.0 (210.0)
Avg	316.0	52.4	1.39	501.0	390.0	64.6	1.71	609.0
n	23	23	23	23	24	24	24	24
SD	83.4	13.8	0.37	130.0	156.0	25.8	0.68	238.0
Min	182.0	30.1	0.80	288.0	165.0	27.4	0.73	258.0
Max	613.0	101.0	2.69	964.0	916.0	152.0	3.99	1410.0

Table F10. Daily means (SD) of ammonia emissions at site IN2H for February, 2008.

Day	House 6				House 7			
	$kg \cdot d^{-1}$	$g \cdot d^{-1} m^{2}$	$g \cdot d^{-1} hd^{-2}$	$g \cdot d^{-1} AU^{-1}$	$kg \cdot d^{-1}$	$g \cdot d^{-1} m^{2}$	$g \cdot d^{-1} hd^{-2}$	$g \cdot d^{-1} AU^{-1}$
1	281.0 (120.0)	46.5 (19.9)	1.24 (0.53)	443.0 (190.0)	275.0 (128.0)	45.6 (21.2)	1.21 (0.56)	428.0 (199.0)
2	272.0 (106.0)	45.0 (17.5)	1.20 (0.47)	428.0 (167.0)	315.0 (147.0)	52.2 (24.3)	1.38 (0.64)	490.0 (228.0)
3	275.0 (118.0)	45.5 (19.5)	1.21 (0.52)	433.0 (185.0)	325.0 (149.0)	53.8 (24.6)	1.43 (0.65)	506.0 (231.0)
4	289.0 (85.7)	47.8 (14.2)	1.27 (0.38)	455.0 (135.0)	382.0 (155.0)	63.2 (25.7)	1.67 (0.68)	594.0 (242.0)
5	311.0 (120.0)	51.5 (19.9)	1.37 (0.53)	490.0 (190.0)	370.0 (180.0)	61.2 (29.8)	1.62 (0.79)	575.0 (280.0)
6								
7	281.0 (116.0)	46.5 (19.1)	1.24 (0.51)	443.0 (182.0)				
8	258.0 (105.0)	42.7 (17.4)	1.14 (0.47)	406.0 (166.0)				
9	266.0 (95.9)	44.0 (15.9)	1.17 (0.42)	420.0 (151.0)	300.0 (115.0)	49.7 (19.0)	1.32 (0.50)	467.0 (179.0)
10	213.0 (137.0)	35.3 (22.7)	0.94 (0.61)	337.0 (217.0)	223.0 (126.0)	36.9 (20.8)	0.98 (0.55)	348.0 (196.0)
11	254.0 (89.3)	42.0 (14.8)	1.12 (0.40)	402.0 (141.0)	304.0 (72.2)	50.4 (12.0)	1.34 (0.32)	476.0 (113.0)
12	235.0 (33.6)	38.9 (5.6)	1.04 (0.15)	372.0 (53.3)	292.0 (118.0)	48.4 (19.5)	1.28 (0.52)	457.0 (185.0)
13								
14								
15								
16	275.0 (109.0)	45.5 (18.1)	1.22 (0.48)	437.0 (174.0)	255.0 (156.0)	42.2 (25.8)	1.12 (0.69)	401.0 (245.0)
17	290.0 (110.0)	48.1 (18.2)	1.29 (0.49)	463.0 (175.0)	346.0 (147.0)	57.3 (24.3)	1.52 (0.65)	543.0 (231.0)
18	306.0 (93.7)	50.6 (15.5)	1.35 (0.42)	487.0 (149.0)	341.0 (148.0)	56.4 (24.5)	1.50 (0.65)	534.0 (232.0)
19								
20	228.0 (89.1)	37.7 (14.8)	1.01 (0.40)	363.0 (142.0)	298.0 (121.0)	49.4 (20.0)	1.32 (0.53)	468.0 (189.0)
21	271.0 (183.0)	44.8 (30.2)	1.20 (0.81)	432.0 (291.0)	330.0 (190.0)	54.7 (31.4)	1.46 (0.84)	517.0 (297.0)
22								
23								
24	234.0 (100.0)	38.7 (16.6)	1.04 (0.44)	369.0 (158.0)	413.0 (161.0)	68.3 (26.6)	1.82 (0.71)	646.0 (252.0)
25	235.0 (83.1)	38.9 (13.8)	1.04 (0.37)	369.0 (131.0)	420.0 (155.0)	69.5 (25.6)	1.85 (0.68)	657.0 (242.0)
26	235.0 (84.3)	38.8 (14.0)	1.04 (0.38)	366.0 (131.0)	351.0 (137.0)	58.0 (22.6)	1.55 (0.60)	549.0 (214.0)
27	240.0 (95.6)	39.7 (15.8)	1.07 (0.43)	372.0 (148.0)	336.0 (142.0)	55.7 (23.5)	1.49 (0.63)	528.0 (222.0)
28								
29					374.0 (130.0)	61.9 (21.6)	1.65 (0.58)	587.0 (204.0)
Avg	262.0	43.4	1.16	414.0	329.0	54.5	1.45	514.0
n	20	20	20	20	19	19	19	19
SD	26.7	4.4	0.12	43.0	49.3	8.2	0.22	77.3
Min	213.0	35.3	0.94	337.0	223.0	36.9	0.98	348.0
Max	311.0	51.5	1.37	490.0	420.0	69.5	1.85	657.0

Table F10. Daily means (SD) of ammonia emissions at site IN2H for March, 2008.

Day	House 6				House 7			
	$kg \cdot d^{-1}$	$g \cdot d^{-1} m^{2}$	$g \cdot d^{-1} hd^{-2}$	$g \cdot d^{-1} AU^{-1}$	$kg \cdot d^{-1}$	$g \cdot d^{-1} m^{2}$	$g \cdot d^{-1} hd^{-2}$	$g \cdot d^{-1} AU^{-1}$
1	249.0 (81.0)	41.2 (13.4)	1.11 (0.36)	379.0 (124.0)	365.0 (136.0)	60.4 (22.5)	1.62 (0.60)	573.0 (213.0)
2								
3	406.0 (211.0)	67.3 (34.9)	1.81 (0.94)	623.0 (324.0)	497.0 (220.0)	82.3 (36.4)	2.20 (0.97)	783.0 (346.0)
4	285.0 (116.0)	47.3 (19.3)	1.27 (0.52)	439.0 (179.0)	325.0 (144.0)	53.9 (23.8)	1.44 (0.64)	513.0 (227.0)
5	280.0 (116.0)	46.4 (19.2)	1.25 (0.52)	431.0 (178.0)	320.0 (136.0)	53.0 (22.4)	1.42 (0.60)	505.0 (214.0)
6	256.0 (102.0)	42.4 (16.8)	1.14 (0.45)	395.0 (157.0)	344.0 (130.0)	56.9 (21.6)	1.52 (0.58)	544.0 (206.0)
7	282.0 (136.0)	46.8 (22.5)	1.26 (0.61)	437.0 (211.0)	317.0 (143.0)	52.5 (23.6)	1.41 (0.63)	502.0 (226.0)
8	287.0 (124.0)	47.6 (20.6)	1.28 (0.56)	445.0 (193.0)	295.0 (135.0)	48.8 (22.4)	1.31 (0.60)	467.0 (214.0)
9								
10	292.0 (120.0)	48.4 (19.9)	1.30 (0.54)	452.0 (185.0)	359.0 (177.0)	59.5 (29.3)	1.60 (0.79)	569.0 (280.0)
11	322.0 (117.0)	53.3 (19.4)	1.44 (0.52)	498.0 (181.0)	403.0 (182.0)	66.7 (30.1)	1.79 (0.81)	637.0 (287.0)
12								
13	413.0 (175.0)	68.3 (29.0)	1.84 (0.78)	636.0 (271.0)	434.0 (145.0)	71.9 (24.1)	1.93 (0.65)	685.0 (229.0)
14	444.0 (158.0)	73.5 (26.2)	1.98 (0.71)	685.0 (244.0)	543.0 (176.0)	89.9 (29.1)	2.41 (0.78)	856.0 (277.0)
15	300.0 (129.0)	49.7 (21.4)	1.34 (0.58)	462.0 (199.0)	389.0 (151.0)	64.4 (25.0)	1.73 (0.67)	612.0 (238.0)
16	314.0 (179.0)	52.1 (29.7)	1.41 (0.80)	483.0 (276.0)	338.0 (144.0)	55.9 (23.8)	1.50 (0.64)	530.0 (226.0)
17	253.0 (103.0)	41.9 (17.1)	1.13 (0.46)	388.0 (158.0)	322.0 (131.0)	53.3 (21.8)	1.43 (0.59)	504.0 (206.0)
18	316.0 (97.6)	52.3 (16.2)	1.41 (0.44)	484.0 (149.0)	434.0 (138.0)	71.8 (22.9)	1.93 (0.62)	677.0 (216.0)
19	259.0 (100.0)	43.0 (16.6)	1.16 (0.45)	397.0 (153.0)	302.0 (124.0)	49.9 (20.5)	1.34 (0.55)	470.0 (193.0)
20	275.0 (108.0)	45.5 (17.9)	1.23 (0.48)	420.0 (165.0)	330.0 (139.0)	54.6 (23.1)	1.47 (0.62)	512.0 (216.0)
21	263.0 (104.0)	43.6 (17.2)	1.18 (0.46)	401.0 (158.0)	316.0 (143.0)	52.4 (23.7)	1.41 (0.64)	490.0 (222.0)
22	259.0 (114.0)	42.9 (18.9)	1.16 (0.51)	394.0 (174.0)	281.0 (129.0)	46.6 (21.4)	1.25 (0.58)	435.0 (200.0)
23	254.0 (99.1)	42.0 (16.4)	1.14 (0.44)	386.0 (151.0)	307.0 (138.0)	50.8 (22.8)	1.37 (0.61)	475.0 (213.0)
24	264.0 (105.0)	43.7 (17.4)	1.18 (0.47)	402.0 (160.0)	298.0 (151.0)	49.4 (25.1)	1.33 (0.68)	461.0 (234.0)
25	316.0 (123.0)	52.4 (20.4)	1.42 (0.55)	482.0 (188.0)	373.0 (168.0)	61.8 (27.8)	1.66 (0.75)	577.0 (260.0)
26	312.0 (115.0)	51.6 (19.1)	1.40 (0.52)	475.0 (176.0)	371.0 (152.0)	61.4 (25.2)	1.65 (0.68)	574.0 (236.0)
27					366.0 (139.0)	60.6 (23.0)	1.63 (0.62)	567.0 (215.0)
28	293.0 (115.0)	48.6 (19.1)	1.32 (0.52)	448.0 (176.0)	309.0 (117.0)	51.2 (19.3)	1.38 (0.52)	479.0 (181.0)
29	287.0 (119.0)	47.5 (19.7)	1.29 (0.53)	438.0 (181.0)	353.0 (132.0)	58.4 (21.9)	1.57 (0.59)	546.0 (205.0)
30	282.0 (95.5)	46.8 (15.8)	1.27 (0.43)	431.0 (146.0)	393.0 (133.0)	65.0 (22.1)	1.75 (0.60)	608.0 (207.0)
31	423.0 (109.0)	70.1 (18.1)	1.90 (0.49)	646.0 (167.0)				
Avg	303.0	50.2	1.36	465.0	359.0	59.4	1.60	561.0
n	27	27	27	27	27	27	27	27
SD	53.8	8.9	0.24	83.2	60.9	10.1	0.27	97.1
Min	249.0	41.2	1.11	379.0	281.0	46.6	1.25	435.0
Max	444.0	73.5	1.98	685.0	543.0	89.9	2.41	856.0

Table F10. Daily means (SD) of ammonia emissions at site IN2H for April, 2008.

Day	House 6				House 7			
	$kg \cdot d^{-1}$	$g \cdot d^{-1} m^{2}$	$g \cdot d^{-1} hd^{-2}$	$g \cdot d^{-1} AU^{-1}$	$kg \cdot d^{-1}$	$g \cdot d^{-1} m^{2}$	$g \cdot d^{-1} hd^{-2}$	$g \cdot d^{-1} AU^{-1}$
1	370.0 (103.0)	61.3 (17.1)	1.66 (0.46)	566.0 (158.0)	379.0 (137.0)	62.8 (22.6)	1.69 (0.61)	588.0 (212.0)
2	280.0 (105.0)	46.3 (17.4)	1.26 (0.47)	428.0 (161.0)	362.0 (137.0)	59.9 (22.7)	1.62 (0.61)	561.0 (213.0)
3	297.0 (149.0)	49.2 (24.7)	1.33 (0.67)	454.0 (228.0)	400.0 (152.0)	66.2 (25.2)	1.79 (0.68)	620.0 (236.0)
4	273.0 (115.0)	45.2 (19.0)	1.23 (0.52)	418.0 (175.0)	364.0 (147.0)	60.3 (24.4)	1.63 (0.66)	565.0 (228.0)
5	318.0 (121.0)	52.7 (20.1)	1.43 (0.55)	487.0 (186.0)	428.0 (156.0)	70.9 (25.9)	1.91 (0.70)	664.0 (243.0)
6	325.0 (113.0)	53.8 (18.7)	1.46 (0.51)	497.0 (173.0)	418.0 (127.0)	69.2 (21.1)	1.87 (0.57)	649.0 (198.0)
7	328.0 (105.0)	54.3 (17.4)	1.48 (0.47)	502.0 (161.0)	425.0 (127.0)	70.4 (21.0)	1.90 (0.57)	662.0 (198.0)
8	320.0 (94.9)	53.0 (15.7)	1.44 (0.43)	490.0 (145.0)	370.0 (104.0)	61.3 (17.3)	1.66 (0.47)	577.0 (162.0)
9	267.0 (95.9)	44.2 (15.9)	1.20 (0.43)	408.0 (147.0)	294.0 (98.3)	48.7 (16.3)	1.31 (0.44)	458.0 (153.0)
10	345.0 (198.0)	57.1 (32.8)	1.55 (0.89)	528.0 (304.0)	317.0 (106.0)	52.5 (17.5)	1.42 (0.47)	495.0 (165.0)
11	347.0 (114.0)	57.5 (18.9)	1.56 (0.52)	532.0 (175.0)	413.0 (159.0)	68.4 (26.3)	1.85 (0.71)	646.0 (248.0)
12	290.0 (117.0)	48.0 (19.3)	1.31 (0.53)	444.0 (179.0)	287.0 (102.0)	47.5 (16.8)	1.28 (0.45)	449.0 (159.0)
13	240.0 (98.6)	39.8 (16.3)	1.08 (0.44)	369.0 (151.0)	269.0 (108.0)	44.5 (17.9)	1.20 (0.48)	419.0 (169.0)
14	235.0 (95.2)	39.0 (15.8)	1.06 (0.43)	361.0 (146.0)	280.0 (106.0)	46.4 (17.6)	1.25 (0.48)	436.0 (165.0)
15	229.0 (85.0)	37.9 (14.1)	1.03 (0.38)	351.0 (130.0)	304.0 (106.0)	50.3 (17.5)	1.36 (0.47)	473.0 (164.0)
16	244.0 (67.5)	40.3 (11.2)	1.10 (0.31)	374.0 (104.0)	333.0 (96.5)	55.2 (16.0)	1.49 (0.43)	517.0 (150.0)
17	237.0 (55.2)	39.3 (9.1)	1.07 (0.25)	364.0 (84.7)	361.0 (82.1)	59.8 (13.6)	1.62 (0.37)	560.0 (127.0)
18	225.0 (50.0)	37.3 (8.3)	1.02 (0.23)	345.0 (76.8)	382.0 (62.6)	63.3 (10.4)	1.71 (0.28)	591.0 (96.8)
19								
20	209.0 (62.5)	34.7 (10.4)	0.95 (0.28)	328.0 (98.0)	321.0 (76.7)	53.2 (12.7)	1.44 (0.34)	495.0 (118.0)
21	214.0 (61.0)	35.4 (10.1)	0.97 (0.28)	339.0 (96.5)	339.0 (60.7)	56.1 (10.0)	1.52 (0.27)	521.0 (93.4)
22	194.0 (54.7)	32.1 (9.1)	0.88 (0.25)	312.0 (87.4)	336.0 (63.5)	55.6 (10.5)	1.51 (0.29)	516.0 (97.6)
23	178.0 (45.9)	29.5 (7.6)	0.81 (0.21)	290.0 (74.3)	331.0 (56.6)	54.8 (9.4)	1.48 (0.25)	507.0 (86.8)
24	138.0 (52.5)	22.9 (8.7)	0.63 (0.24)	229.0 (86.2)	305.0 (62.9)	50.4 (10.4)	1.37 (0.28)	466.0 (96.3)
25					336.0 (48.7)	55.6 (8.1)	1.51 (0.22)	513.0 (74.5)
26	118.0 (33.3)	19.5 (5.5)	0.53 (0.15)	200.0 (56.4)	234.0 (73.5)	38.7 (12.2)	1.05 (0.33)	357.0 (112.0)
27	106.0 (30.6)	17.6 (5.1)	0.48 (0.14)	182.0 (52.5)	189.0 (69.2)	31.3 (11.5)	0.85 (0.31)	289.0 (106.0)
28	95.9 (32.0)	15.9 (5.3)	0.43 (0.15)	166.0 (55.3)	179.0 (73.2)	29.6 (12.1)	0.80 (0.33)	273.0 (112.0)
29	98.5 (36.1)	16.3 (6.0)	0.45 (0.16)	173.0 (63.4)	184.0 (83.2)	30.5 (13.8)	0.83 (0.37)	283.0 (127.0)
30	153.0 (57.0)	25.4 (9.4)	0.69 (0.26)	272.0 (102.0)	228.0 (85.2)	37.7 (14.1)	1.02 (0.38)	350.0 (131.0)
Avg	238.0	39.5	1.07	372.0	323.0	53.5	1.45	500.0
n	28	28	28	28	29	29	29	29
SD	79.2	13.1	0.36	113.0	69.8	11.6	0.31	110.0
Min	95.9	15.9	0.43	166.0	179.0	29.6	0.80	273.0
Max	370.0	61.3	1.66	566.0	428.0	70.9	1.91	664.0

Table F10. Daily means (SD) of ammonia emissions at site IN2H for May, 2008.

Day	House 6				House 7			
	$kg \cdot d^{-1}$	$g \cdot d^{-1} m^{2}$	$g \cdot d^{-1} hd^{-2}$	$g \cdot d^{-1} AU^{-1}$	$kg \cdot d^{-1}$	$g \cdot d^{-1} m^{2}$	$g \cdot d^{-1} hd^{-2}$	$g \cdot d^{-1} AU^{-1}$
1								
2								
3	95.4 (24.0)	15.8 (4.0)	0.43 (0.11)	174.0 (43.9)	291.0 (90.8)	48.1 (15.0)	1.31 (0.41)	447.0 (140.0)
4	112.0 (28.1)	18.6 (4.7)	0.51 (0.13)	203.0 (50.9)	244.0 (83.4)	40.4 (13.8)	1.10 (0.38)	375.0 (128.0)
5	129.0 (26.1)	21.3 (4.3)	0.58 (0.12)	232.0 (46.9)	263.0 (86.9)	43.6 (14.4)	1.18 (0.39)	404.0 (133.0)
6	137.0 (20.5)	22.7 (3.4)	0.62 (0.09)	245.0 (36.6)	300.0 (77.8)	49.7 (12.9)	1.35 (0.35)	460.0 (119.0)
7	114.0 (19.1)	18.9 (3.2)	0.52 (0.09)	203.0 (34.2)	318.0 (91.1)	52.7 (15.1)	1.43 (0.41)	488.0 (140.0)
8	101.0 (26.0)	16.7 (4.3)	0.46 (0.12)	178.0 (45.9)	211.0 (97.2)	35.0 (16.1)	0.95 (0.44)	324.0 (149.0)
9	112.0 (27.7)	18.6 (4.6)	0.51 (0.13)	196.0 (48.6)	235.0 (87.1)	38.9 (14.4)	1.06 (0.39)	359.0 (133.0)
10	114.0 (26.0)	18.9 (4.3)	0.52 (0.12)	199.0 (45.6)	268.0 (94.6)	44.4 (15.7)	1.21 (0.43)	410.0 (145.0)
11	124.0 (45.6)	20.5 (7.6)	0.56 (0.21)	217.0 (80.0)	263.0 (103.0)	43.5 (17.0)	1.18 (0.46)	401.0 (157.0)
12	102.0 (26.6)	16.9 (4.4)	0.46 (0.12)	180.0 (46.8)	244.0 (99.4)	40.4 (16.5)	1.10 (0.45)	372.0 (151.0)
13	118.0 (28.8)	19.6 (4.8)	0.54 (0.13)	209.0 (50.9)	287.0 (97.7)	47.6 (16.2)	1.29 (0.44)	437.0 (149.0)
14	121.0 (53.3)	20.1 (8.8)	0.55 (0.24)	215.0 (94.4)	269.0 (93.5)	44.6 (15.5)	1.21 (0.42)	409.0 (142.0)
15	102.0 (32.8)	16.8 (5.4)	0.46 (0.15)	181.0 (58.4)	253.0 (111.0)	41.9 (18.4)	1.14 (0.50)	383.0 (168.0)
16	121.0 (36.5)	20.1 (6.1)	0.55 (0.17)	217.0 (65.4)	250.0 (96.6)	41.4 (16.0)	1.13 (0.44)	378.0 (146.0)
17	145.0 (32.1)	24.0 (5.3)	0.66 (0.15)	259.0 (57.4)	271.0 (76.4)	44.9 (12.7)	1.22 (0.34)	411.0 (116.0)
18	108.0 (29.9)	17.9 (5.0)	0.49 (0.14)	193.0 (53.3)	202.0 (79.7)	33.5 (13.2)	0.91 (0.36)	306.0 (121.0)
19	122.0 (35.5)	20.1 (5.9)	0.55 (0.16)	216.0 (62.9)				
20	135.0 (33.2)	22.4 (5.5)	0.62 (0.15)	239.0 (58.9)	188.0 (70.4)	31.2 (11.7)	0.85 (0.32)	286.0 (107.0)
21	141.0 (34.7)	23.3 (5.7)	0.64 (0.16)	248.0 (61.2)	180.0 (68.5)	29.8 (11.3)	0.81 (0.31)	273.0 (104.0)
22					209.0 (69.4)	34.7 (11.5)	0.94 (0.31)	319.0 (106.0)
23								
24	170.0 (43.1)	28.2 (7.1)	0.78 (0.20)	298.0 (75.3)	237.0 (74.3)	39.2 (12.3)	1.07 (0.34)	361.0 (113.0)
25	211.0 (64.2)	35.0 (10.6)	0.96 (0.29)	368.0 (112.0)	284.0 (81.9)	47.1 (13.6)	1.28 (0.37)	433.0 (125.0)
26								
27								
28					195.0 (66.5)	32.3 (11.0)	0.88 (0.30)	296.0 (101.0)
29	167.0 (41.6)	27.6 (6.9)	0.76 (0.19)	286.0 (71.2)	213.0 (67.2)	35.3 (11.1)	0.96 (0.30)	323.0 (102.0)
30	254.0 (90.9)	42.0 (15.1)	1.16 (0.42)	433.0 (155.0)	263.0 (122.0)	43.6 (20.1)	1.19 (0.55)	399.0 (184.0)
31	258.0 (43.1)	42.8 (7.1)	1.18 (0.20)	438.0 (73.7)	267.0 (47.0)	44.3 (7.8)	1.21 (0.21)	405.0 (71.2)
Avg	138.0	22.9	0.63	243.0	248.0	41.1	1.12	378.0
n	24	24	24	24	25	25	25	25
SD	43.7	7.2	0.20	72.4	36.0	6.0	0.16	55.5
Min	95.4	15.8	0.43	174.0	180.0	29.8	0.81	273.0
Max	258.0	42.8	1.18	438.0	318.0	52.7	1.43	488.0

Table F10. Daily means (SD) of ammonia emissions at site IN2H for June, 2008.

Day	House 6				House 7			
	$kg \cdot d^{-1}$	$g \cdot d^{-1} m^{2}$	$g \cdot d^{-1} hd^{-2}$	$g \cdot d^{-1} AU^{-1}$	$kg \cdot d^{-1}$	$g \cdot d^{-1} m^{2}$	$g \cdot d^{-1} hd^{-2}$	$g \cdot d^{-1} AU^{-1}$
1	222.0 (32.8)	36.7 (5.4)	1.01 (0.15)	374.0 (55.5)	224.0 (43.7)	37.1 (7.2)	1.01 (0.20)	340.0 (66.4)
2	217.0 (52.8)	36.0 (8.7)	0.99 (0.24)	364.0 (88.3)	221.0 (68.9)	36.6 (11.4)	1.00 (0.31)	336.0 (105.0)
3	244.0 (49.3)	40.4 (8.2)	1.11 (0.23)	407.0 (82.2)	236.0 (59.7)	39.0 (9.9)	1.06 (0.27)	358.0 (90.9)
4	303.0 (46.5)	50.1 (7.7)	1.38 (0.21)	501.0 (76.7)	266.0 (40.8)	44.1 (6.8)	1.20 (0.18)	406.0 (62.1)
5	353.0 (57.0)	58.4 (9.4)	1.61 (0.26)	581.0 (93.9)	295.0 (41.6)	48.8 (6.9)	1.33 (0.19)	449.0 (63.4)
6	311.0 (68.8)	51.4 (11.4)	1.42 (0.31)	508.0 (113.0)	224.0 (59.5)	37.1 (9.9)	1.01 (0.27)	342.0 (90.7)
7	295.0 (34.3)	48.8 (5.7)	1.35 (0.16)	480.0 (55.5)				
8	344.0 (35.0)	57.0 (5.8)	1.57 (0.16)	556.0 (56.4)				
9								
10								
11								
12	294.0 (67.5)	48.7 (11.2)	1.34 (0.31)	462.0 (105.0)	175.0 (30.4)	29.1 (5.0)	0.79 (0.14)	270.0 (46.8)
13	244.0 (48.4)	40.3 (8.0)	1.11 (0.22)	380.0 (75.9)	184.0 (37.9)	30.5 (6.3)	0.83 (0.17)	283.0 (58.3)
14	206.0 (38.5)	34.2 (6.4)	0.94 (0.18)	321.0 (59.9)	186.0 (41.8)	30.7 (6.9)	0.84 (0.19)	285.0 (64.3)
15	190.0 (52.7)	31.5 (8.7)	0.87 (0.24)	295.0 (81.7)	147.0 (33.3)	24.3 (5.5)	0.67 (0.15)	226.0 (51.1)
16	170.0 (51.4)	28.1 (8.5)	0.78 (0.24)	263.0 (79.7)	149.0 (41.2)	24.7 (6.8)	0.68 (0.19)	229.0 (63.2)
17	137.0 (42.1)	22.6 (7.0)	0.63 (0.19)	211.0 (65.1)	149.0 (55.1)	24.6 (9.1)	0.67 (0.25)	227.0 (84.4)
18	152.0 (44.7)	25.2 (7.4)	0.70 (0.21)	235.0 (69.0)	161.0 (51.8)	26.7 (8.6)	0.73 (0.24)	246.0 (79.2)
19	151.0 (42.0)	25.0 (7.0)	0.69 (0.19)	233.0 (64.7)	171.0 (58.5)	28.3 (9.7)	0.77 (0.27)	260.0 (89.1)
20	170.0 (37.6)	28.1 (6.2)	0.78 (0.17)	261.0 (57.9)	159.0 (43.5)	26.3 (7.2)	0.72 (0.20)	242.0 (66.2)
21	207.0 (63.3)	34.3 (10.5)	0.95 (0.29)	318.0 (97.3)	177.0 (52.4)	29.2 (8.7)	0.80 (0.24)	269.0 (79.8)
22								
23								
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26								
27	333.0 (93.7)	55.2 (15.5)	1.53 (0.43)	504.0 (142.0)	247.0 (54.6)	40.9 (9.1)	1.12 (0.25)	379.0 (83.7)
28	267.0 (53.4)	44.2 (8.8)	1.22 (0.25)	403.0 (80.5)	239.0 (48.5)	39.6 (8.0)	1.09 (0.22)	367.0 (74.4)
29	195.0 (37.8)	32.2 (6.3)	0.89 (0.17)	295.0 (57.4)	193.0 (49.0)	32.0 (8.1)	0.88 (0.22)	296.0 (75.1)
30	172.0 (47.6)	28.5 (7.9)	0.79 (0.22)	262.0 (72.6)	169.0 (50.0)	27.9 (8.3)	0.77 (0.23)	259.0 (76.7)
Avg	235.0	39.0	1.08	373.0	199.0	32.9	0.90	303.0
n	22	22	22	22	20	20	20	20
SD	66.0	10.9	0.30	111.0	41.6	6.9	0.19	63.1
Min	137.0	22.6	0.63	211.0	147.0	24.3	0.67	226.0
Max	353.0	58.4	1.61	581.0	295.0	48.8	1.33	449.0

Table F10. Daily means (SD) of ammonia emissions at site IN2H for July, 2008.

Day	House 6				House 7			
	$kg \cdot d^{-1}$	$g \cdot d^{-1} m^{2}$	$g \cdot d^{-1} hd^{-2}$	$g \cdot d^{-1} AU^{-1}$	$kg \cdot d^{-1}$	$g \cdot d^{-1} m^{2}$	$g \cdot d^{-1} hd^{-2}$	$g \cdot d^{-1} AU^{-1}$
1	181.0 (55.3)	29.9 (9.2)	0.83 (0.25)	277.0 (84.7)	164.0 (52.7)	27.1 (8.7)	0.74 (0.24)	251.0 (80.9)
2	235.0 (69.5)	38.9 (11.5)	1.08 (0.32)	361.0 (107.0)	189.0 (33.9)	31.3 (5.6)	0.86 (0.15)	290.0 (52.1)
3	184.0 (42.4)	30.5 (7.0)	0.85 (0.20)	284.0 (65.3)	177.0 (41.0)	29.2 (6.8)	0.80 (0.19)	271.0 (62.9)
4	163.0 (38.7)	27.0 (6.4)	0.75 (0.18)	252.0 (60.0)	176.0 (49.4)	29.1 (8.2)	0.80 (0.22)	270.0 (75.8)
5	184.0 (52.8)	30.4 (8.8)	0.84 (0.24)	285.0 (82.1)	188.0 (66.3)	31.2 (11.0)	0.86 (0.30)	289.0 (102.0)
6	209.0 (46.2)	34.7 (7.7)	0.96 (0.21)	325.0 (71.9)	176.0 (50.8)	29.2 (8.4)	0.80 (0.23)	271.0 (77.8)
7								
8								
9								
10	211.0 (58.0)	35.0 (9.6)	0.97 (0.27)	330.0 (90.6)	226.0 (59.3)	37.4 (9.8)	1.03 (0.27)	345.0 (90.6)
11	224.0 (55.5)	37.1 (9.2)	1.03 (0.26)	350.0 (86.8)	254.0 (56.8)	42.1 (9.4)	1.16 (0.26)	388.0 (86.8)
12	221.0 (50.1)	36.6 (8.3)	1.02 (0.23)	346.0 (78.3)	282.0 (36.1)	46.7 (6.0)	1.28 (0.16)	431.0 (55.2)
13	156.0 (33.5)	25.9 (5.5)	0.72 (0.15)	245.0 (52.4)				
14	164.0 (42.3)	27.2 (7.0)	0.76 (0.20)	257.0 (66.2)				
15	203.0 (51.8)	33.6 (8.6)	0.93 (0.24)	317.0 (81.0)	214.0 (52.7)	35.4 (8.7)	0.97 (0.24)	326.0 (80.4)
16								
17	184.0 (40.0)	30.4 (6.6)	0.85 (0.18)	287.0 (62.7)	201.0 (32.1)	33.3 (5.3)	0.92 (0.15)	307.0 (49.1)
18	170.0 (17.6)	28.2 (2.9)	0.78 (0.08)	266.0 (27.6)				
19	153.0 (29.6)	25.4 (4.9)	0.71 (0.14)	240.0 (46.3)	193.0 (20.9)	31.9 (3.5)	0.88 (0.10)	294.0 (32.0)
20	163.0 (24.2)	27.0 (4.0)	0.75 (0.11)	255.0 (37.9)	213.0 (36.7)	35.3 (6.1)	0.97 (0.17)	325.0 (56.1)
21	181.0 (36.9)	29.9 (6.1)	0.83 (0.17)	283.0 (57.9)	230.0 (41.1)	38.1 (6.8)	1.05 (0.19)	351.0 (62.7)
22	161.0 (30.8)	26.6 (5.1)	0.74 (0.14)	252.0 (48.3)	212.0 (41.9)	35.1 (6.9)	0.97 (0.19)	323.0 (63.9)
23	152.0 (46.6)	25.2 (7.7)	0.70 (0.22)	239.0 (73.0)				
24	143.0 (51.1)	23.6 (8.5)	0.66 (0.24)	224.0 (80.1)				
25	157.0 (57.8)	25.9 (9.6)	0.72 (0.27)	245.0 (90.7)	188.0 (42.9)	31.1 (7.1)	0.86 (0.20)	286.0 (65.2)
26	155.0 (40.7)	25.6 (6.7)	0.71 (0.19)	243.0 (63.8)	248.0 (41.4)	41.1 (6.9)	1.13 (0.19)	377.0 (62.9)
27	133.0 (43.9)	22.0 (7.3)	0.61 (0.20)	208.0 (68.8)	193.0 (46.0)	32.0 (7.6)	0.88 (0.21)	293.0 (69.7)
28	137.0 (25.6)	22.7 (4.2)	0.63 (0.12)	215.0 (40.1)	225.0 (40.3)	37.3 (6.7)	1.03 (0.18)	340.0 (60.9)
29	174.0 (53.7)	28.8 (8.9)	0.80 (0.25)	272.0 (83.9)	236.0 (43.7)	39.1 (7.2)	1.08 (0.20)	356.0 (66.0)
30	144.0 (34.7)	23.9 (5.8)	0.67 (0.16)	225.0 (54.3)	214.0 (24.9)	35.4 (4.1)	0.98 (0.11)	322.0 (37.6)
31	111.0 (30.0)	18.4 (5.0)	0.51 (0.14)	173.0 (46.8)	241.0 (51.2)	40.0 (8.5)	1.10 (0.23)	363.0 (77.2)
Avg	172.0	28.5	0.79	269.0	211.0	34.9	0.96	321.0
n	27	27	27	27	22	22	22	22
SD	29.5	4.9	0.14	45.4	29.2	4.8	0.13	43.8
Min	111.0	18.4	0.51	173.0	164.0	27.1	0.74	251.0
Max	235.0	38.9	1.08	361.0	282.0	46.7	1.28	431.0

Table F10. Daily means (SD) of ammonia emissions at site IN2H for August, 2008.

Day	House 6				House 7			
	$kg \cdot d^{-1}$	$g \cdot d^{-1} m^{2}$	$g \cdot d^{-1} hd^{-2}$	$g \cdot d^{-1} AU^{-1}$	$kg \cdot d^{-1}$	$g \cdot d^{-1} m^{2}$	$g \cdot d^{-1} hd^{-2}$	$g \cdot d^{-1} AU^{-1}$
1	107.0 (27.6)	17.7 (4.6)	0.49 (0.13)	166.0 (43.1)	256.0 (53.9)	42.4 (8.9)	1.17 (0.25)	385.0 (81.1)
2	70.9 (19.0)	11.7 (3.2)	0.33 (0.09)	111.0 (29.7)				
3	71.6 (22.4)	11.9 (3.7)	0.33 (0.10)	112.0 (35.0)				
4	58.7 (23.1)	9.7 (3.8)	0.27 (0.11)	91.8 (36.1)	176.0 (26.9)	29.1 (4.5)	0.80 (0.12)	264.0 (40.3)
5	50.3 (19.9)	8.3 (3.3)	0.23 (0.09)	78.8 (31.2)	187.0 (24.2)	30.9 (4.0)	0.85 (0.11)	280.0 (36.2)
6	79.4 (23.2)	13.2 (3.9)	0.37 (0.11)	125.0 (36.4)	192.0 (41.9)	31.7 (6.9)	0.88 (0.19)	287.0 (62.7)
7	86.4 (29.4)	14.3 (4.9)	0.40 (0.14)	136.0 (46.1)	163.0 (44.1)	27.1 (7.3)	0.75 (0.20)	244.0 (66.0)
8								
9	75.5 (26.2)	12.5 (4.3)	0.35 (0.12)	119.0 (41.2)	135.0 (44.9)	22.4 (7.4)	0.62 (0.21)	204.0 (67.9)
10					105.0 (33.9)	17.4 (5.6)	0.48 (0.16)	162.0 (52.1)
11	84.4 (30.2)	14.0 (5.0)	0.39 (0.14)	133.0 (47.5)	134.0 (51.9)	22.2 (8.6)	0.61 (0.24)	210.0 (81.8)
12	106.0 (37.0)	17.6 (6.1)	0.49 (0.17)	167.0 (58.3)	117.0 (36.2)	19.4 (6.0)	0.54 (0.17)	187.0 (57.8)
13								
14								
15	83.1 (26.5)	13.8 (4.4)	0.39 (0.12)	131.0 (41.8)	108.0 (30.9)	17.9 (5.1)	0.49 (0.14)	184.0 (52.7)
16	90.4 (30.3)	15.0 (5.0)	0.42 (0.14)	142.0 (47.7)	95.4 (18.6)	15.8 (3.1)	0.44 (0.09)	165.0 (32.1)
17	108.0 (33.6)	17.9 (5.6)	0.50 (0.16)	171.0 (52.9)	105.0 (20.7)	17.4 (3.4)	0.48 (0.09)	182.0 (35.9)
18	120.0 (33.9)	19.8 (5.6)	0.55 (0.16)	189.0 (53.4)	121.0 (22.4)	20.0 (3.7)	0.55 (0.10)	209.0 (38.9)
19	121.0 (33.5)	20.1 (5.6)	0.56 (0.16)	191.0 (52.8)	130.0 (40.2)	21.5 (6.7)	0.60 (0.18)	227.0 (70.0)
20	122.0 (42.3)	20.2 (7.0)	0.56 (0.20)	192.0 (66.7)	95.1 (26.3)	15.8 (4.4)	0.44 (0.12)	166.0 (45.9)
21								
22	162.0 (38.5)	26.9 (6.4)	0.75 (0.18)	256.0 (60.8)				
23	196.0 (43.4)	32.5 (7.2)	0.91 (0.20)	309.0 (68.5)	109.0 (17.8)	18.1 (3.0)	0.50 (0.08)	193.0 (31.5)
24	151.0 (42.8)	25.0 (7.1)	0.70 (0.20)	238.0 (67.5)	97.0 (24.9)	16.1 (4.1)	0.45 (0.11)	172.0 (44.2)
25	167.0 (82.9)	27.6 (13.7)	0.77 (0.39)	263.0 (131.0)	82.6 (24.8)	13.7 (4.1)	0.38 (0.11)	147.0 (44.2)
26	151.0 (50.3)	25.0 (8.3)	0.70 (0.23)	239.0 (79.5)	71.8 (23.1)	11.9 (3.8)	0.33 (0.11)	128.0 (41.2)
27	170.0 (47.5)	28.2 (7.9)	0.79 (0.22)	269.0 (75.1)	76.5 (23.8)	12.7 (3.9)	0.35 (0.11)	137.0 (42.7)
28	179.0 (47.4)	29.6 (7.8)	0.83 (0.22)	283.0 (74.8)	81.9 (21.5)	13.6 (3.6)	0.38 (0.10)	147.0 (38.7)
29	166.0 (36.1)	27.4 (6.0)	0.77 (0.17)	261.0 (57.0)	78.2 (13.5)	13.0 (2.2)	0.36 (0.06)	141.0 (24.3)
30	132.0 (36.1)	21.8 (6.0)	0.61 (0.17)	208.0 (57.1)	72.7 (15.3)	12.0 (2.5)	0.33 (0.07)	131.0 (27.7)
31	129.0 (43.8)	21.3 (7.3)	0.60 (0.20)	203.0 (69.2)	71.4 (15.8)	11.8 (2.6)	0.33 (0.07)	129.0 (28.4)
Avg	117.0	19.3	0.54	184.0	119.0	19.7	0.55	195.0
n	26	26	26	26	24	24	24	24
SD	40.1	6.6	0.19	63.6	45.4	7.5	0.21	60.5
Min	50.3	8.3	0.23	78.8	71.4	11.8	0.33	128.0
Max	196.0	32.5	0.91	309.0	256.0	42.4	1.17	385.0

Table F10. Daily means (SD) of ammonia emissions at site IN2H for September, 2008.

Day	House 6				House 7			
	$kg \cdot d^{-1}$	$g \cdot d^{-1} m^{2}$	$g \cdot d^{-1} hd^{-2}$	$g \cdot d^{-1} AU^{-1}$	$kg \cdot d^{-1}$	$g \cdot d^{-1} m^{2}$	$g \cdot d^{-1} hd^{-2}$	$g \cdot d^{-1} AU^{-1}$
1	116.0 (44.1)	19.2 (7.3)	0.54 (0.21)	183.0 (69.8)	67.7 (17.3)	11.2 (2.9)	0.31 (0.08)	122.0 (31.2)
2	120.0 (37.7)	19.9 (6.2)	0.56 (0.18)	190.0 (59.6)	75.1 (20.0)	12.4 (3.3)	0.35 (0.09)	135.0 (36.0)
3	144.0 (34.2)	23.9 (5.7)	0.67 (0.16)	228.0 (54.0)	78.9 (26.3)	13.1 (4.4)	0.36 (0.12)	142.0 (47.3)
4	165.0 (34.1)	27.3 (5.6)	0.77 (0.16)	261.0 (53.9)	83.9 (15.5)	13.9 (2.6)	0.39 (0.07)	151.0 (27.8)
5	158.0 (40.5)	26.2 (6.7)	0.74 (0.19)	250.0 (64.1)	65.8 (12.7)	10.9 (2.1)	0.30 (0.06)	118.0 (22.7)
6	132.0 (43.2)	21.9 (7.2)	0.61 (0.20)	209.0 (68.3)	56.5 (14.3)	9.4 (2.4)	0.26 (0.07)	102.0 (25.7)
7	117.0 (26.4)	19.3 (4.4)	0.54 (0.12)	185.0 (41.8)	59.6 (13.3)	9.9 (2.2)	0.27 (0.06)	108.0 (24.2)
8	127.0 (32.8)	21.0 (5.4)	0.59 (0.15)	201.0 (52.0)	81.5 (21.5)	13.5 (3.6)	0.38 (0.10)	148.0 (39.0)
9	113.0 (30.2)	18.7 (5.0)	0.53 (0.14)	179.0 (47.7)	62.4 (17.9)	10.3 (3.0)	0.29 (0.08)	114.0 (32.6)
10	125.0 (39.7)	20.6 (6.6)	0.58 (0.19)	197.0 (62.8)	66.7 (21.0)	11.1 (3.5)	0.31 (0.10)	122.0 (38.6)
11	178.0 (98.3)	29.5 (16.3)	0.83 (0.46)	282.0 (156.0)	74.4 (21.6)	12.3 (3.6)	0.34 (0.10)	137.0 (39.9)
12					91.1 (9.8)	15.1 (1.6)	0.42 (0.05)	169.0 (18.0)
13	278.0 (56.0)	46.1 (9.3)	1.30 (0.26)	441.0 (88.8)	142.0 (29.1)	23.6 (4.8)	0.66 (0.13)	263.0 (53.4)
14	220.0 (68.0)	36.4 (11.3)	1.02 (0.32)	348.0 (108.0)	113.0 (20.0)	18.8 (3.3)	0.52 (0.09)	208.0 (37.0)
15	149.0 (48.1)	24.6 (8.0)	0.69 (0.22)	236.0 (76.2)	103.0 (22.4)	17.1 (3.7)	0.48 (0.10)	187.0 (40.8)
16	137.0 (42.2)	22.7 (7.0)	0.64 (0.20)	217.0 (66.9)	102.0 (23.4)	16.8 (3.9)	0.47 (0.11)	183.0 (42.0)
17	174.0 (75.0)	28.8 (12.4)	0.81 (0.35)	276.0 (119.0)	112.0 (34.2)	18.6 (5.7)	0.52 (0.16)	200.0 (60.8)
18								
19								
20	170.0 (56.0)	28.2 (9.3)	0.79 (0.26)	270.0 (88.8)	162.0 (44.0)	26.8 (7.3)	0.75 (0.20)	281.0 (76.4)
21	176.0 (49.8)	29.2 (8.3)	0.82 (0.23)	279.0 (79.0)	162.0 (38.4)	26.7 (6.4)	0.74 (0.18)	280.0 (66.5)
22	180.0 (62.3)	29.8 (10.3)	0.84 (0.29)	285.0 (98.7)	144.0 (34.2)	23.8 (5.7)	0.66 (0.16)	247.0 (58.9)
23	170.0 (47.6)	28.2 (7.9)	0.80 (0.22)	269.0 (75.4)	128.0 (32.6)	21.2 (5.4)	0.59 (0.15)	220.0 (55.7)
24	177.0 (53.1)	29.3 (8.8)	0.83 (0.25)	280.0 (84.0)	156.0 (42.8)	25.8 (7.1)	0.72 (0.20)	265.0 (72.7)
25	157.0 (51.7)	26.0 (8.6)	0.73 (0.24)	248.0 (81.7)	148.0 (42.9)	24.4 (7.1)	0.68 (0.20)	250.0 (72.6)
26	132.0 (44.6)	21.8 (7.4)	0.62 (0.21)	208.0 (70.4)	127.0 (37.2)	21.0 (6.2)	0.59 (0.17)	214.0 (62.7)
27	116.0 (40.8)	19.3 (6.8)	0.54 (0.19)	184.0 (64.5)	109.0 (31.7)	18.0 (5.3)	0.50 (0.15)	182.0 (53.1)
28	111.0 (40.5)	18.4 (6.7)	0.52 (0.19)	177.0 (64.4)	101.0 (39.1)	16.8 (6.5)	0.47 (0.18)	168.0 (64.9)
29	117.0 (44.1)	19.3 (7.3)	0.55 (0.21)	186.0 (70.3)	111.0 (32.3)	18.5 (5.4)	0.51 (0.15)	184.0 (53.2)
30	107.0 (35.6)	17.7 (5.9)	0.50 (0.17)	170.0 (56.8)	96.7 (33.2)	16.0 (5.5)	0.45 (0.15)	158.0 (54.4)
Avg	151.0	24.9	0.70	239.0	103.0	17.0	0.47	181.0
n	27	27	27	27	28	28	28	28
SD	37.7	6.2	0.18	59.8	32.3	5.4	0.15	54.1
Min	107.0	17.7	0.50	170.0	56.5	9.4	0.26	102.0
Max	278.0	46.1	1.30	441.0	162.0	26.8	0.75	281.0

Table F10. Daily means (SD) of ammonia emissions at site IN2H for October, 2008.

Day	House 6				House 7			
	$kg \cdot d^{-1}$	$g \cdot d^{-1} m^{2}$	$g \cdot d^{-1} hd^{-2}$	$g \cdot d^{-1} AU^{-1}$	$kg \cdot d^{-1}$	$g \cdot d^{-1} m^{2}$	$g \cdot d^{-1} hd^{-2}$	$g \cdot d^{-1} AU^{-1}$
1	115.0 (37.7)	19.1 (6.2)	0.54 (0.18)	184.0 (60.3)	78.3 (26.6)	13.0 (4.4)	0.36 (0.12)	127.0 (43.2)
2	112.0 (36.8)	18.5 (6.1)	0.52 (0.17)	180.0 (59.0)	85.0 (26.3)	14.1 (4.4)	0.39 (0.12)	137.0 (42.4)
3	97.3 (33.6)	16.1 (5.6)	0.46 (0.16)	157.0 (54.0)	72.5 (24.1)	12.0 (4.0)	0.33 (0.11)	116.0 (38.5)
4								
5								
6								
7								
8								
9	144.0 (49.0)	23.9 (8.1)	0.68 (0.23)	231.0 (78.4)	150.0 (57.8)	24.8 (9.6)	0.69 (0.27)	234.0 (90.5)
10	147.0 (50.5)	24.4 (8.4)	0.69 (0.24)	235.0 (80.6)	164.0 (70.0)	27.1 (11.6)	0.76 (0.32)	256.0 (109.0)
11	165.0 (59.3)	27.2 (9.8)	0.77 (0.28)	262.0 (94.6)	209.0 (80.9)	34.7 (13.4)	0.97 (0.37)	327.0 (126.0)
12	173.0 (58.9)	28.6 (9.8)	0.81 (0.28)	275.0 (94.0)	232.0 (58.7)	38.5 (9.7)	1.07 (0.27)	362.0 (91.6)
13	186.0 (58.9)	30.8 (9.8)	0.87 (0.28)	297.0 (93.9)	235.0 (51.0)	38.9 (8.4)	1.08 (0.24)	367.0 (79.6)
14	144.0 (44.4)	23.8 (7.4)	0.67 (0.21)	229.0 (70.9)				
15								
16	132.0 (40.6)	21.8 (6.7)	0.62 (0.19)	210.0 (64.8)	103.0 (34.3)	17.1 (5.7)	0.48 (0.16)	161.0 (53.5)
17	103.0 (33.7)	17.0 (5.6)	0.48 (0.16)	164.0 (53.8)	103.0 (36.7)	17.0 (6.1)	0.48 (0.17)	161.0 (57.2)
18	101.0 (37.0)	16.7 (6.1)	0.47 (0.17)	161.0 (59.0)	102.0 (36.7)	17.0 (6.1)	0.47 (0.17)	160.0 (57.3)
19	94.2 (38.2)	15.6 (6.3)	0.44 (0.18)	150.0 (61.0)	101.0 (35.6)	16.7 (5.9)	0.47 (0.16)	157.0 (55.3)
20	123.0 (41.0)	20.4 (6.8)	0.58 (0.19)	197.0 (65.6)	132.0 (56.5)	21.8 (9.4)	0.61 (0.26)	205.0 (87.7)
21	115.0 (46.4)	19.1 (7.7)	0.54 (0.22)	184.0 (74.1)	113.0 (38.9)	18.7 (6.5)	0.52 (0.18)	175.0 (60.4)
22	119.0 (50.5)	19.7 (8.4)	0.56 (0.24)	190.0 (80.8)	126.0 (43.9)	20.9 (7.3)	0.58 (0.20)	195.0 (67.9)
23	126.0 (50.7)	20.8 (8.4)	0.59 (0.24)	201.0 (81.1)	129.0 (40.7)	21.4 (6.7)	0.60 (0.19)	200.0 (63.0)
24	133.0 (44.0)	22.0 (7.3)	0.63 (0.21)	213.0 (70.4)	122.0 (33.5)	20.1 (5.6)	0.56 (0.16)	188.0 (51.8)
25	134.0 (46.2)	22.1 (7.7)	0.63 (0.22)	214.0 (74.0)	122.0 (36.4)	20.1 (6.0)	0.56 (0.17)	187.0 (56.0)
26	139.0 (54.0)	22.9 (9.0)	0.65 (0.25)	222.0 (86.7)	143.0 (42.6)	23.6 (7.1)	0.66 (0.20)	219.0 (65.5)
27	127.0 (61.3)	21.0 (10.1)	0.60 (0.29)	204.0 (98.5)	146.0 (56.7)	24.2 (9.4)	0.68 (0.26)	225.0 (87.0)
28	124.0 (61.2)	20.6 (10.1)	0.59 (0.29)	200.0 (98.6)	155.0 (66.1)	25.6 (10.9)	0.72 (0.31)	237.0 (101.0)
29								
30	83.6 (27.8)	13.8 (4.6)	0.39 (0.13)	135.0 (45.0)	147.0 (59.5)	24.3 (9.9)	0.68 (0.28)	224.0 (90.8)
31	153.0 (74.0)	25.4 (12.3)	0.72 (0.35)	249.0 (120.0)				
Avg	129.0	21.3	0.60	206.0	135.0	22.3	0.62	210.0
n	24	24	24	24	22	22	22	22
SD	24.6	4.1	0.12	39.2	43.5	7.2	0.20	67.1
Min	83.6	13.8	0.39	135.0	72.5	12.0	0.33	116.0
Max	186.0	30.8	0.87	297.0	235.0	38.9	1.08	367.0

Table F10. Daily means (SD) of ammonia emissions at site IN2H for November, 2008.

Day	House 6				House 7			
	$kg \cdot d^{-1}$	$g \cdot d^{-1} m^{2}$	$g \cdot d^{-1} hd^{-2}$	$g \cdot d^{-1} AU^{-1}$	$kg \cdot d^{-1}$	$g \cdot d^{-1} m^{2}$	$g \cdot d^{-1} hd^{-2}$	$g \cdot d^{-1} AU^{-1}$
1	143.0 (42.8)	23.6 (7.1)	0.67 (0.20)	232.0 (69.6)	169.0 (58.3)	28.0 (9.7)	0.78 (0.27)	257.0 (88.7)
2	157.0 (48.9)	26.1 (8.1)	0.74 (0.23)	256.0 (79.5)	170.0 (52.4)	28.1 (8.7)	0.79 (0.24)	258.0 (79.7)
3	189.0 (68.7)	31.3 (11.4)	0.89 (0.32)	308.0 (112.0)	180.0 (54.1)	29.9 (9.0)	0.84 (0.25)	274.0 (82.2)
4	164.0 (48.7)	27.1 (8.1)	0.77 (0.23)	267.0 (79.5)	161.0 (56.0)	26.6 (9.3)	0.75 (0.26)	244.0 (85.0)
5	151.0 (48.8)	25.0 (8.1)	0.71 (0.23)	247.0 (79.7)	141.0 (50.1)	23.4 (8.3)	0.65 (0.23)	214.0 (75.9)
6	187.0 (71.9)	30.9 (11.9)	0.88 (0.34)	305.0 (118.0)				
7	137.0 (41.7)	22.7 (6.9)	0.65 (0.20)	224.0 (68.3)	131.0 (41.0)	21.6 (6.8)	0.60 (0.19)	198.0 (62.0)
8	147.0 (56.5)	24.3 (9.4)	0.69 (0.27)	240.0 (92.6)	121.0 (51.8)	20.1 (8.6)	0.56 (0.24)	184.0 (78.4)
9	129.0 (54.2)	21.4 (9.0)	0.61 (0.26)	212.0 (89.0)	126.0 (54.4)	20.8 (9.0)	0.58 (0.25)	191.0 (82.5)
10	108.0 (45.5)	17.9 (7.5)	0.51 (0.22)	178.0 (74.8)	129.0 (64.2)	21.3 (10.6)	0.60 (0.30)	195.0 (97.3)
11	102.0 (39.1)	16.9 (6.5)	0.48 (0.19)	168.0 (64.3)	132.0 (73.5)	21.9 (12.2)	0.61 (0.34)	201.0 (111.0)
12	133.0 (43.8)	22.0 (7.3)	0.63 (0.21)	219.0 (72.1)	153.0 (56.2)	25.3 (9.3)	0.71 (0.26)	232.0 (85.3)
13								
14								
15								
16								
17								
18								
19	138.0 (54.5)	22.9 (9.0)	0.65 (0.26)	230.0 (90.6)	161.0 (68.0)	26.7 (11.3)	0.75 (0.32)	246.0 (104.0)
20	154.0 (61.3)	25.6 (10.1)	0.73 (0.29)	257.0 (102.0)	154.0 (54.0)	25.5 (8.9)	0.72 (0.25)	235.0 (82.4)
21	159.0 (72.4)	26.4 (12.0)	0.75 (0.34)	265.0 (121.0)	151.0 (69.3)	25.0 (11.5)	0.70 (0.32)	231.0 (106.0)
22	146.0 (63.8)	24.2 (10.6)	0.69 (0.30)	243.0 (106.0)	163.0 (83.6)	27.0 (13.8)	0.76 (0.39)	249.0 (128.0)
23	152.0 (61.0)	25.2 (10.1)	0.72 (0.29)	253.0 (101.0)	178.0 (88.3)	29.4 (14.6)	0.83 (0.41)	272.0 (135.0)
24	179.0 (59.6)	29.6 (9.9)	0.85 (0.28)	297.0 (98.8)	195.0 (82.1)	32.3 (13.6)	0.91 (0.38)	298.0 (125.0)
25	208.0 (74.2)	34.4 (12.3)	0.98 (0.35)	344.0 (123.0)	198.0 (79.2)	32.7 (13.1)	0.92 (0.37)	302.0 (121.0)
26	207.0 (73.9)	34.2 (12.2)	0.98 (0.35)	342.0 (122.0)	191.0 (80.1)	31.7 (13.3)	0.89 (0.37)	292.0 (122.0)
27	195.0 (73.8)	32.3 (12.2)	0.92 (0.35)	322.0 (122.0)	190.0 (82.5)	31.4 (13.7)	0.88 (0.38)	290.0 (126.0)
28	209.0 (74.9)	34.7 (12.4)	0.99 (0.36)	345.0 (123.0)	198.0 (81.5)	32.8 (13.5)	0.92 (0.38)	302.0 (125.0)
29	198.0 (74.8)	32.8 (12.4)	0.94 (0.35)	327.0 (123.0)	172.0 (67.4)	28.5 (11.2)	0.80 (0.31)	263.0 (103.0)
30	198.0 (69.6)	32.7 (11.5)	0.94 (0.33)	326.0 (115.0)	167.0 (49.0)	27.6 (8.1)	0.78 (0.23)	256.0 (75.1)
Avg	162.0	26.9	0.77	267.0	162.0	26.9	0.75	247.0
n	24	24	24	24	23	23	23	23
SD	30.5	5.1	0.15	50.5	23.5	3.9	0.11	36.5
Min	102.0	16.9	0.48	168.0	121.0	20.1	0.56	184.0
Max	209.0	34.7	0.99	345.0	198.0	32.8	0.92	302.0

Table F10. Daily means (SD) of ammonia emissions at site IN2H for December, 2008.

Day	House 6				House 7			
	$kg \cdot d^{-1}$	$g \cdot d^{-1} m^{2}$	$g \cdot d^{-1} hd^{-2}$	$g \cdot d^{-1} AU^{-1}$	$kg \cdot d^{-1}$	$g \cdot d^{-1} m^{2}$	$g \cdot d^{-1} hd^{-2}$	$g \cdot d^{-1} AU^{-1}$
1	200.0 (83.7)	33.2 (13.9)	0.95 (0.40)	331.0 (138.0)	178.0 (60.8)	29.4 (10.1)	0.83 (0.28)	273.0 (93.4)
2								
3	196.0 (74.8)	32.5 (12.4)	0.93 (0.36)	325.0 (124.0)	196.0 (70.1)	32.5 (11.6)	0.91 (0.33)	303.0 (108.0)
4	198.0 (89.0)	32.8 (14.7)	0.94 (0.42)	328.0 (147.0)	211.0 (80.5)	34.9 (13.3)	0.98 (0.38)	326.0 (124.0)
5	193.0 (119.0)	32.0 (19.7)	0.92 (0.57)	321.0 (198.0)	180.0 (98.8)	29.8 (16.4)	0.84 (0.46)	279.0 (153.0)
6	208.0 (101.0)	34.5 (16.8)	0.99 (0.48)	346.0 (168.0)	190.0 (95.2)	31.5 (15.8)	0.88 (0.44)	294.0 (148.0)
7	218.0 (113.0)	36.1 (18.7)	1.04 (0.54)	362.0 (188.0)	182.0 (101.0)	30.2 (16.7)	0.85 (0.47)	282.0 (156.0)
8	225.0 (95.5)	37.2 (15.8)	1.07 (0.45)	374.0 (159.0)	210.0 (112.0)	34.8 (18.5)	0.98 (0.52)	325.0 (173.0)
9	263.0 (98.0)	43.5 (16.2)	1.25 (0.47)	437.0 (163.0)	245.0 (115.0)	40.5 (19.1)	1.14 (0.54)	377.0 (178.0)
10	243.0 (116.0)	40.2 (19.3)	1.15 (0.55)	404.0 (194.0)	225.0 (127.0)	37.2 (21.0)	1.05 (0.59)	346.0 (195.0)
11								
12	236.0 (116.0)	39.1 (19.1)	1.12 (0.55)	393.0 (192.0)	232.0 (138.0)	38.5 (22.9)	1.08 (0.64)	357.0 (212.0)
13	236.0 (96.3)	39.0 (15.9)	1.12 (0.46)	392.0 (160.0)	220.0 (135.0)	36.4 (22.4)	1.02 (0.63)	337.0 (207.0)
14	253.0 (86.6)	41.9 (14.3)	1.20 (0.41)	420.0 (144.0)	254.0 (115.0)	42.1 (19.1)	1.19 (0.54)	390.0 (176.0)
15					210.0 (137.0)	34.7 (22.6)	0.98 (0.64)	321.0 (210.0)
16								
17					214.0 (122.0)	35.5 (20.1)	1.00 (0.57)	328.0 (187.0)
18	194.0 (93.8)	32.1 (15.5)	0.92 (0.45)	321.0 (155.0)	210.0 (124.0)	34.9 (20.5)	0.98 (0.58)	323.0 (190.0)
19								
20								
21								
22								
23								
24								
25								
26								
27								
28					234.0 (110.0)	38.8 (18.2)	1.09 (0.51)	362.0 (170.0)
29	278.0 (87.5)	46.0 (14.5)	1.33 (0.42)	455.0 (144.0)	261.0 (90.3)	43.2 (15.0)	1.22 (0.42)	404.0 (140.0)
30	251.0 (74.0)	41.5 (12.3)	1.20 (0.35)	410.0 (121.0)	239.0 (87.0)	39.6 (14.4)	1.12 (0.41)	370.0 (135.0)
31	208.0 (76.0)	34.4 (12.6)	0.99 (0.36)	339.0 (124.0)	201.0 (82.9)	33.3 (13.7)	0.94 (0.39)	312.0 (128.0)
Avg	225.0	37.2	1.07	372.0	215.0	35.7	1.00	332.0
n	16	16	16	16	19	19	19	19
SD	26.2	4.3	0.13	43.1	23.9	4.0	0.11	36.7
Min	193.0	32.0	0.92	321.0	178.0	29.4	0.83	273.0
Max	278.0	46.0	1.33	455.0	261.0	43.2	1.22	404.0

Table F10. Daily means (SD) of ammonia emissions at site IN2H for January, 2009.

Day	House 6				House 7			
	$kg \cdot d^{-1}$	$g \cdot d^{-1} m^{2}$	$g \cdot d^{-1} hd^{-2}$	$g \cdot d^{-1} AU^{-1}$	$kg \cdot d^{-1}$	$g \cdot d^{-1} m^{2}$	$g \cdot d^{-1} hd^{-2}$	$g \cdot d^{-1} AU^{-1}$
1	245.0 (75.0)	40.5 (12.4)	1.17 (0.36)	399.0 (122.0)	225.0 (108.0)	37.2 (17.9)	1.05 (0.51)	348.0 (167.0)
2	233.0 (70.7)	38.5 (11.7)	1.11 (0.34)	379.0 (115.0)	254.0 (111.0)	42.1 (18.3)	1.19 (0.52)	394.0 (171.0)
3	253.0 (76.3)	41.9 (12.6)	1.21 (0.37)	412.0 (124.0)	239.0 (108.0)	39.5 (17.8)	1.12 (0.50)	370.0 (167.0)
4	245.0 (144.0)	40.5 (23.9)	1.17 (0.69)	399.0 (235.0)	271.0 (161.0)	44.9 (26.6)	1.27 (0.75)	420.0 (249.0)
5	249.0 (73.2)	41.3 (12.1)	1.19 (0.35)	406.0 (119.0)	275.0 (122.0)	45.5 (20.2)	1.29 (0.57)	425.0 (189.0)
6	242.0 (64.4)	40.1 (10.7)	1.16 (0.31)	395.0 (105.0)	233.0 (91.4)	38.6 (15.1)	1.09 (0.43)	360.0 (141.0)
7	223.0 (40.0)	36.9 (6.6)	1.07 (0.19)	363.0 (65.1)	242.0 (89.8)	40.1 (14.9)	1.13 (0.42)	374.0 (139.0)
8	252.0 (68.9)	41.7 (11.4)	1.21 (0.33)	411.0 (112.0)	269.0 (110.0)	44.5 (18.1)	1.26 (0.51)	414.0 (169.0)
9	272.0 (73.7)	45.0 (12.2)	1.30 (0.35)	443.0 (120.0)	259.0 (103.0)	42.9 (17.1)	1.21 (0.49)	399.0 (160.0)
10	265.0 (76.0)	43.9 (12.6)	1.27 (0.36)	433.0 (124.0)	259.0 (98.9)	42.8 (16.4)	1.21 (0.46)	398.0 (152.0)
11	279.0 (72.8)	46.3 (12.1)	1.34 (0.35)	457.0 (119.0)	270.0 (107.0)	44.6 (17.7)	1.26 (0.50)	413.0 (164.0)
12	282.0 (87.6)	46.7 (14.5)	1.35 (0.42)	463.0 (144.0)	285.0 (120.0)	47.2 (19.9)	1.34 (0.56)	436.0 (183.0)
13	275.0 (80.3)	45.6 (13.3)	1.32 (0.39)	453.0 (132.0)	303.0 (123.0)	50.2 (20.4)	1.42 (0.58)	461.0 (187.0)
14	253.0 (61.7)	41.8 (10.2)	1.21 (0.30)	416.0 (102.0)	280.0 (142.0)	46.4 (23.5)	1.32 (0.67)	426.0 (216.0)
15								
16								
17								
18								
19	508.0 (217.0)	84.2 (35.9)	2.45 (1.04)	841.0 (359.0)				
20	471.0 (181.0)	78.1 (29.9)	2.27 (0.87)	780.0 (299.0)				
21	389.0 (134.0)	64.4 (22.2)	1.87 (0.65)	643.0 (222.0)				
22	321.0 (76.3)	53.1 (12.6)	1.54 (0.37)	530.0 (126.0)				
23	311.0 (87.7)	51.5 (14.5)	1.50 (0.42)	513.0 (145.0)				
24	325.0 (115.0)	53.8 (19.0)	1.57 (0.55)	536.0 (190.0)				
25	288.0 (90.1)	47.7 (14.9)	1.39 (0.43)	476.0 (149.0)				
26	257.0 (40.7)	42.6 (6.7)	1.24 (0.20)	425.0 (67.3)				
27	284.0 (63.7)	47.1 (10.5)	1.37 (0.31)	470.0 (105.0)				
28	280.0 (81.7)	46.4 (13.5)	1.35 (0.39)	463.0 (135.0)	266.0 (103.0)	44.0 (17.1)	1.25 (0.49)	409.0 (159.0)
29								
30								
31	325.0 (71.5)	53.8 (11.8)	1.57 (0.35)	538.0 (118.0)				
Avg	293.0	48.5	1.41	482.0	262.0	43.4	1.23	403.0
n	25	25	25	25	15	15	15	15
SD	68.3	11.3	0.33	115.0	20.3	3.4	0.10	29.4
Min	223.0	36.9	1.07	363.0	225.0	37.2	1.05	348.0
Max	508.0	84.2	2.45	841.0	303.0	50.2	1.42	461.0

Table F10. Daily means (SD) of ammonia emissions at site IN2H for February, 2009.

Day	House 6				House 7			
	$kg \cdot d^{-1}$	$g \cdot d^{-1} m^{2}$	$g \cdot d^{-1} hd^{-2}$	$g \cdot d^{-1} AU^{-1}$	$kg \cdot d^{-1}$	$g \cdot d^{-1} m^{2}$	$g \cdot d^{-1} hd^{-2}$	$g \cdot d^{-1} AU^{-1}$
1	333.0 (72.7)	55.1 (12.0)	1.61 (0.35)	550.0 (120.0)	308.0 (79.2)	51.0 (13.1)	1.45 (0.37)	478.0 (123.0)
2	327.0 (73.7)	54.1 (12.2)	1.58 (0.36)	540.0 (122.0)	295.0 (72.2)	48.8 (12.0)	1.39 (0.34)	458.0 (112.0)
3	308.0 (105.0)	51.0 (17.4)	1.49 (0.51)	509.0 (173.0)	295.0 (76.2)	48.8 (12.6)	1.39 (0.36)	458.0 (118.0)
4	296.0 (91.5)	49.0 (15.2)	1.43 (0.44)	488.0 (151.0)	260.0 (78.9)	43.0 (13.1)	1.23 (0.37)	404.0 (123.0)
5	313.0 (87.6)	51.9 (14.5)	1.52 (0.42)	517.0 (145.0)				
6	309.0 (67.6)	51.2 (11.2)	1.50 (0.33)	510.0 (111.0)				
7	430.0 (91.0)	71.1 (15.1)	2.08 (0.44)	707.0 (150.0)	397.0 (90.2)	65.8 (14.9)	1.88 (0.43)	618.0 (140.0)
8	309.0 (55.3)	51.1 (9.2)	1.50 (0.27)	506.0 (90.7)	310.0 (86.1)	51.4 (14.3)	1.47 (0.41)	483.0 (134.0)
9	332.0 (75.4)	55.1 (12.5)	1.61 (0.37)	543.0 (123.0)	341.0 (85.3)	56.5 (14.1)	1.62 (0.40)	530.0 (133.0)
10	479.0 (118.0)	79.4 (19.6)	2.33 (0.57)	780.0 (192.0)	429.0 (98.6)	71.0 (16.3)	2.03 (0.47)	667.0 (153.0)
11	447.0 (197.0)	74.0 (32.6)	2.17 (0.96)	725.0 (320.0)				
12	292.0 (83.4)	48.4 (13.8)	1.42 (0.41)	472.0 (135.0)	242.0 (59.9)	40.1 (9.9)	1.15 (0.28)	376.0 (93.0)
13	265.0 (81.6)	43.9 (13.5)	1.29 (0.40)	427.0 (131.0)	242.0 (68.1)	40.0 (11.3)	1.15 (0.32)	375.0 (106.0)
14	241.0 (67.3)	39.8 (11.1)	1.17 (0.33)	387.0 (108.0)	206.0 (50.5)	34.1 (8.4)	0.98 (0.24)	320.0 (78.4)
15	230.0 (70.6)	38.1 (11.7)	1.12 (0.34)	372.0 (114.0)	205.0 (50.7)	33.9 (8.4)	0.97 (0.24)	319.0 (78.8)
16	243.0 (65.6)	40.2 (10.9)	1.18 (0.32)	394.0 (106.0)	199.0 (52.8)	32.9 (8.8)	0.95 (0.25)	310.0 (82.2)
17	256.0 (73.6)	42.4 (12.2)	1.25 (0.36)	417.0 (120.0)	228.0 (66.6)	37.8 (11.0)	1.09 (0.32)	356.0 (104.0)
18	282.0 (103.0)	46.6 (17.0)	1.37 (0.50)	459.0 (167.0)	289.0 (80.7)	47.9 (13.4)	1.38 (0.38)	452.0 (126.0)
19	291.0 (107.0)	48.2 (17.7)	1.41 (0.52)	476.0 (175.0)	242.0 (70.4)	40.1 (11.7)	1.15 (0.34)	378.0 (110.0)
20	262.0 (96.1)	43.4 (15.9)	1.28 (0.47)	430.0 (158.0)	229.0 (61.1)	38.0 (10.1)	1.09 (0.29)	359.0 (95.7)
21	242.0 (79.1)	40.0 (13.1)	1.18 (0.39)	397.0 (130.0)	238.0 (60.5)	39.4 (10.0)	1.13 (0.29)	373.0 (94.7)
22	232.0 (82.4)	38.5 (13.6)	1.13 (0.40)	382.0 (135.0)	250.0 (59.5)	41.5 (9.9)	1.19 (0.28)	391.0 (93.0)
23	234.0 (75.4)	38.7 (12.5)	1.14 (0.37)	384.0 (124.0)	281.0 (81.3)	46.6 (13.5)	1.34 (0.39)	439.0 (127.0)
24	248.0 (92.1)	41.1 (15.3)	1.21 (0.45)	408.0 (151.0)	325.0 (99.4)	53.8 (16.5)	1.55 (0.47)	506.0 (155.0)
25	280.0 (87.0)	46.4 (14.4)	1.37 (0.42)	459.0 (143.0)	379.0 (98.1)	62.7 (16.3)	1.81 (0.47)	589.0 (153.0)
26	327.0 (103.0)	54.2 (17.0)	1.59 (0.50)	536.0 (169.0)	449.0 (88.6)	74.4 (14.7)	2.14 (0.42)	698.0 (137.0)
27	298.0 (140.0)	49.4 (23.2)	1.45 (0.68)	488.0 (230.0)	383.0 (130.0)	63.5 (21.6)	1.83 (0.62)	595.0 (202.0)
28	266.0 (86.2)	44.0 (14.3)	1.30 (0.42)	434.0 (141.0)	273.0 (66.8)	45.3 (11.1)	1.30 (0.32)	424.0 (104.0)
Avg	299.0	49.5	1.45	489.0	292.0	48.3	1.39	454.0
n	28	28	28	28	25	25	25	25
SD	62.1	10.3	0.30	102.0	69.2	11.5	0.33	107.0
Min	230.0	38.1	1.12	372.0	199.0	32.9	0.95	310.0
Max	479.0	79.4	2.33	780.0	449.0	74.4	2.14	698.0

Table F10. Daily means (SD) of ammonia emissions at site IN2H for March, 2009.

Day	House 6				House 7			
	$kg \cdot d^{-1}$	$g \cdot d^{-1} m^{2}$	$g \cdot d^{-1} hd^{-2}$	$g \cdot d^{-1} AU^{-1}$	$kg \cdot d^{-1}$	$g \cdot d^{-1} m^{2}$	$g \cdot d^{-1} hd^{-2}$	$g \cdot d^{-1} AU^{-1}$
1	227.0 (78.4)	37.6 (13.0)	1.11 (0.38)	368.0 (127.0)	277.0 (74.6)	45.9 (12.4)	1.32 (0.36)	429.0 (116.0)
2	220.0 (86.6)	36.5 (14.3)	1.08 (0.42)	355.0 (140.0)	250.0 (75.8)	41.3 (12.6)	1.19 (0.36)	387.0 (118.0)
3	219.0 (77.1)	36.3 (12.8)	1.07 (0.38)	351.0 (124.0)	233.0 (50.7)	38.6 (8.4)	1.11 (0.24)	362.0 (78.6)
4	237.0 (71.5)	39.3 (11.8)	1.16 (0.35)	378.0 (114.0)	288.0 (81.2)	47.7 (13.5)	1.38 (0.39)	447.0 (126.0)
5	402.0 (127.0)	66.5 (21.1)	1.96 (0.62)	635.0 (201.0)	347.0 (98.7)	57.5 (16.3)	1.66 (0.47)	539.0 (153.0)
6	487.0 (119.0)	80.6 (19.7)	2.38 (0.58)	766.0 (188.0)	409.0 (71.7)	67.6 (11.9)	1.95 (0.34)	634.0 (111.0)
7	410.0 (209.0)	67.8 (34.6)	2.00 (1.02)	641.0 (326.0)	446.0 (124.0)	73.8 (20.6)	2.13 (0.59)	692.0 (193.0)
8	330.0 (235.0)	54.7 (38.9)	1.62 (1.15)	515.0 (366.0)	444.0 (261.0)	73.5 (43.2)	2.12 (1.25)	689.0 (405.0)
9	232.0 (79.8)	38.5 (13.2)	1.14 (0.39)	361.0 (124.0)	323.0 (94.5)	53.4 (15.6)	1.54 (0.45)	501.0 (147.0)
10	453.0 (320.0)	74.9 (52.9)	2.22 (1.56)	701.0 (495.0)	476.0 (285.0)	78.7 (47.3)	2.28 (1.37)	739.0 (444.0)
11	238.0 (81.5)	39.3 (13.5)	1.16 (0.40)	367.0 (126.0)	231.0 (69.3)	38.2 (11.5)	1.10 (0.33)	359.0 (108.0)
12	231.0 (74.9)	38.3 (12.4)	1.13 (0.37)	356.0 (115.0)	254.0 (65.5)	42.1 (10.8)	1.22 (0.31)	395.0 (102.0)
13	246.0 (69.4)	40.8 (11.5)	1.21 (0.34)	378.0 (106.0)	246.0 (62.8)	40.7 (10.4)	1.18 (0.30)	382.0 (97.7)
14	292.0 (90.3)	48.3 (15.0)	1.43 (0.44)	449.0 (139.0)	276.0 (83.6)	45.6 (13.8)	1.32 (0.40)	429.0 (130.0)
15	342.0 (106.0)	56.6 (17.6)	1.68 (0.52)	530.0 (166.0)	311.0 (92.5)	51.5 (15.3)	1.49 (0.44)	484.0 (144.0)
16	326.0 (101.0)	54.0 (16.8)	1.60 (0.50)	511.0 (159.0)	337.0 (95.0)	55.8 (15.7)	1.62 (0.46)	525.0 (148.0)
17	352.0 (108.0)	58.3 (17.9)	1.73 (0.53)	556.0 (171.0)	373.0 (95.8)	61.7 (15.9)	1.79 (0.46)	580.0 (149.0)
18								
19	234.0 (86.7)	38.7 (14.4)	1.15 (0.43)	376.0 (139.0)	238.0 (68.0)	39.4 (11.3)	1.14 (0.33)	371.0 (106.0)
20	249.0 (88.1)	41.2 (14.6)	1.22 (0.43)	403.0 (143.0)	232.0 (62.6)	38.4 (10.4)	1.11 (0.30)	362.0 (97.5)
21	273.0 (98.4)	45.2 (16.3)	1.34 (0.48)	444.0 (160.0)	272.0 (80.8)	45.1 (13.4)	1.31 (0.39)	424.0 (126.0)
22	274.0 (101.0)	45.3 (16.6)	1.35 (0.49)	445.0 (163.0)				
23	276.0 (101.0)	45.7 (16.8)	1.36 (0.50)	448.0 (165.0)	280.0 (82.4)	46.4 (13.6)	1.34 (0.40)	436.0 (128.0)
24	291.0 (95.8)	48.2 (15.9)	1.43 (0.47)	473.0 (156.0)	330.0 (89.0)	54.6 (14.7)	1.58 (0.43)	513.0 (138.0)
25	252.0 (163.0)	41.7 (27.1)	1.24 (0.81)	409.0 (265.0)	298.0 (147.0)	49.3 (24.4)	1.43 (0.71)	462.0 (229.0)
26	213.0 (63.1)	35.2 (10.4)	1.05 (0.31)	345.0 (102.0)	225.0 (71.5)	37.3 (11.8)	1.08 (0.34)	350.0 (111.0)
27								
28	252.0 (237.0)	41.8 (39.2)			295.0 (259.0)	48.9 (42.9)	1.42 (1.24)	459.0 (403.0)
29	169.0 (85.9)	27.9 (14.2)			199.0 (53.3)	32.9 (8.8)	0.96 (0.26)	310.0 (82.9)
30	197.0 (82.0)	32.5 (13.6)			243.0 (83.0)	40.3 (13.7)	1.17 (0.40)	380.0 (130.0)
31	201.0 (78.8)	33.4 (13.0)			289.0 (111.0)	47.8 (18.3)	1.39 (0.53)	453.0 (173.0)
Avg	280.0	46.4	1.43	462.0	301.0	49.8	1.44	468.0
n	29	29	25	25	28	28	28	28
SD	77.1	12.8	0.37	116.0	71.2	11.8	0.34	110.0
Min	169.0	27.9	1.05	345.0	199.0	32.9	0.96	310.0
Max	487.0	80.6	2.38	766.0	476.0	78.7	2.28	739.0

Table F10. Daily means (SD) of ammonia emissions at site IN2H for April, 2009.

Day	House 6				House 7			
	$kg \cdot d^{-1}$	$g \cdot d^{-1} m^{2}$	$g \cdot d^{-1} hd^{-2}$	$g \cdot d^{-1} AU^{-1}$	$kg \cdot d^{-1}$	$g \cdot d^{-1} m^{2}$	$g \cdot d^{-1} hd^{-2}$	$g \cdot d^{-1} AU^{-1}$
1	148.0 (84.9)	24.5 (14.1)			264.0 (97.4)	43.8 (16.1)	1.27 (0.47)	416.0 (153.0)
2					369.0 (158.0)	61.2 (26.2)	1.78 (0.76)	583.0 (249.0)
3	36.9 (15.9)	6.1 (2.6)			237.0 (74.8)	39.3 (12.4)	1.14 (0.36)	375.0 (118.0)
4	99.7 (46.6)	16.5 (7.7)			261.0 (80.4)	43.3 (13.3)	1.26 (0.39)	413.0 (127.0)
5					287.0 (142.0)	47.5 (23.5)	1.38 (0.68)	451.0 (223.0)
6					221.0 (60.1)	36.6 (10.0)	1.07 (0.29)	346.0 (94.1)
7	107.0 (105.0)	17.8 (17.4)			241.0 (62.2)	40.0 (10.3)	1.16 (0.30)	377.0 (97.1)
8	127.0 (108.0)	21.1 (17.8)			268.0 (77.6)	44.4 (12.8)	1.29 (0.37)	417.0 (120.0)
9	148.0 (89.2)	24.5 (14.8)						
10	146.0 (67.9)	24.2 (11.2)			211.0 (56.7)	35.0 (9.4)	1.02 (0.27)	325.0 (87.3)
11	148.0 (53.8)	24.5 (8.9)			237.0 (76.8)	39.2 (12.7)	1.14 (0.37)	364.0 (118.0)
12	161.0 (54.0)	26.7 (8.9)			264.0 (90.3)	43.7 (14.9)	1.27 (0.44)	406.0 (139.0)
13	160.0 (64.9)	26.4 (10.7)			254.0 (96.7)	42.1 (16.0)	1.23 (0.47)	392.0 (149.0)
14	147.0 (51.4)	24.3 (8.5)	0.66 (0.23)	247.0 (86.3)	238.0 (62.9)	39.4 (10.4)	1.15 (0.30)	367.0 (97.1)
15	146.0 (43.2)	24.2 (7.2)	0.66 (0.20)	248.0 (73.2)	281.0 (84.1)	46.5 (13.9)	1.36 (0.41)	434.0 (130.0)
16	182.0 (61.4)	30.1 (10.2)	0.82 (0.28)	311.0 (105.0)	322.0 (115.0)	53.3 (19.0)	1.55 (0.55)	497.0 (177.0)
17	215.0 (82.2)	35.6 (13.6)	0.97 (0.37)	370.0 (142.0)				
18								
19								
20	179.0 (68.7)	29.6 (11.4)	0.81 (0.31)	315.0 (121.0)	253.0 (106.0)	41.9 (17.6)	1.22 (0.51)	390.0 (164.0)
21	165.0 (47.0)	27.3 (7.8)	0.74 (0.21)	294.0 (83.6)	214.0 (65.6)	35.4 (10.9)	1.04 (0.32)	330.0 (101.0)
22	173.0 (47.0)	28.7 (7.8)	0.78 (0.21)	311.0 (84.1)	229.0 (74.2)	37.9 (12.3)	1.11 (0.36)	352.0 (114.0)
23					281.0 (90.3)	46.5 (15.0)	1.36 (0.44)	431.0 (139.0)
24								
25								
26								
27								
28								
29								
30								
Avg	146.0	24.2	0.78	299.0	260.0	43.0	1.25	404.0
n	17	17	7	7	19	19	19	19
SD	38.0	6.3	0.10	39.6	37.3	6.2	0.18	59.6
Min	36.9	6.1	0.66	247.0	211.0	35.0	1.02	325.0
Max	215.0	35.6	0.97	370.0	369.0	61.2	1.78	583.0

Table F10. Daily means (SD) of ammonia emissions at site IN2H for May, 2009.

Day	House 6				House 7			
	$kg \cdot d^{-1}$	$g \cdot d^{-1} m^{2}$	$g \cdot d^{-1} hd^{-2}$	$g \cdot d^{-1} AU^{-1}$	$kg \cdot d^{-1}$	$g \cdot d^{-1} m^{2}$	$g \cdot d^{-1} hd^{-2}$	$g \cdot d^{-1} AU^{-1}$
1	168.0 (52.9)	27.8 (8.8)	0.76 (0.24)	278.0 (88.2)	266.0 (71.5)	44.0 (11.8)	1.29 (0.35)	413.0 (111.0)
2								
3								
4								
5								
6								
7	142.0 (92.5)	23.4 (15.3)	0.64 (0.42)	234.0 (153.0)	262.0 (68.3)	43.3 (11.3)	1.27 (0.33)	405.0 (106.0)
8	80.2 (26.3)	13.3 (4.4)	0.36 (0.12)	133.0 (43.5)	249.0 (34.7)	41.2 (5.8)	1.21 (0.17)	385.0 (53.8)
9	168.0 (38.6)	27.8 (6.4)	0.76 (0.17)	277.0 (63.8)	208.0 (78.4)	34.5 (13.0)	1.01 (0.38)	322.0 (121.0)
10	132.0 (49.8)	21.9 (8.3)	0.60 (0.23)	217.0 (81.7)	201.0 (57.0)	33.3 (9.4)	0.98 (0.28)	310.0 (87.9)
11	123.0 (42.1)	20.4 (7.0)	0.56 (0.19)	200.0 (68.1)	181.0 (49.0)	30.0 (8.1)	0.88 (0.24)	279.0 (75.4)
12	94.3 (34.3)	15.6 (5.7)	0.43 (0.16)	151.0 (55.2)	169.0 (49.7)	28.0 (8.2)	0.82 (0.24)	259.0 (76.2)
13	106.0 (32.3)	17.6 (5.4)	0.48 (0.15)	169.0 (51.4)	206.0 (63.1)	34.1 (10.4)	1.00 (0.31)	315.0 (96.4)
14	144.0 (35.4)	23.8 (5.9)	0.65 (0.16)	226.0 (56.3)	269.0 (117.0)	44.5 (19.4)	1.31 (0.57)	411.0 (179.0)
15					231.0 (113.0)	38.3 (18.7)	1.13 (0.55)	352.0 (172.0)
16					230.0 (67.4)	38.0 (11.2)	1.12 (0.33)	350.0 (103.0)
17					184.0 (63.2)	30.4 (10.5)	0.90 (0.31)	282.0 (96.9)
18					164.0 (49.8)	27.2 (8.2)	0.80 (0.24)	253.0 (76.7)
19					209.0 (76.0)	34.7 (12.6)	1.02 (0.37)	324.0 (118.0)
20								
21	158.0 (36.9)	26.1 (6.1)	0.71 (0.17)	243.0 (56.8)	153.0 (40.4)	25.3 (6.7)	0.75 (0.20)	239.0 (63.1)
22								
23								
24								
25								
26								
27								
28								
29								
30								
31								
Avg	132.0	21.8	0.59	213.0	212.0	35.1	1.03	327.0
n	10	10	10	10	15	15	15	15
SD	28.8	4.8	0.13	47.1	36.7	6.1	0.18	56.4
Min	80.2	13.3	0.36	133.0	153.0	25.3	0.75	239.0
Max	168.0	27.8	0.76	278.0	269.0	44.5	1.31	413.0

Table F11. Airflow and emission data completeness.

Table F11. Airflow and emission data completeness (%) at site IN2H for June, 2007.

Day	Airflow		Ammonia		Hydrogen		PM_{10}		$PM_{2.5}$		TSP	
	H6	H7	H6	H7	H6	H7	H6	H7	H6	H7	H6	H7
1	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	0	0	0	0
2	99.9	98.3	56.9	53.2	99.7	98.3	99.7	98.3	0	0	0	0
3	99.9	99.6	93.3	87.4	99.9	99.6	99.9	99.6	0	0	0	0
4	99.7	99.2	99.7	99.2	99.7	99.2	97	96.6	0	0	0	0
5	99.9	99.8	99.9	99.8	99.9	99.8	3.7	99.8	0	0	0	0
6	99.9	99.9	99.9	99.9	99.9	99.9	90.1	99.9	0	0	0	0
7	99.9	99.9	99.9	99.9	99.9	99.9	43.8	45.8	0	0	0	0
8	99.9	99.9	99.9	99.9	99.9	99.9	32.9	0	0	0	0	0
9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	0	0	0	0	0
10	99.9	99.9	99.9	99.9	99.9	99.9	99.9	0	0	0	0	0
11	99.7	99.9	99.7	99.9	99.7	99.9	83.2	0	0	0	0	0
12	98.6	98.6	98.6	98.6	98.6	98.6	58.6	0	0	0	0	0
13	60	59.8	6.6	10.8	6.6	10.8	0	0	0	0	0	0
14	99.7	99.9	0	0	0	0	0	0	0	0	0	0
15	99.2	99.9	0	0	0	0	25.8	39.4	0	0	0	0
16	94.6	99.9	0	0	0	0	94.6	84.4	0	0	0	0
17	99.9	99.9	40.6	40.6	40.6	40.6	97.7	91.7	0	0	0	0
18	99.9	99.9	0	0	0	0	99.9	99.7	0	0	0	0
19	99	99.5	0	0	0	0	81	72.7	0	0	0	0
20	99.7	99.9	0	0	0	0	99.7	99.9	0	0	0	0
21	99.9	99.9	0	0	0	0	99.9	99.9	0	0	0	0
22	99.9	99.9	0	0	0	0	99.9	99.9	0	0	0	0
23	84.9	84.9	0	0	0	0	84.7	84.7	0	0	0	0
24	0	0	0	0	0	0	0	0	0	0	0	0
25	0.7	0.7	0	0	0	0	0.5	0.5	0	0	0	0
26	99.3	99.3	74.7	41.3	40.4	0	99.3	99.3	0	0	0	0
27	98.9	99	64.4	64.2	54.4	14.8	95.1	92.6	0	0	0	0
28	99.9	99.9	0	0	0	0	99.9	99.9	0	0	0	0
29	99.9	99.9	0	0	0	0	99.9	99.9	0	0	0	0
30	99.9	99.9	0	0	0	0	99.9	99.9	0	0	0	0
Avg	91.1	91.2	44.5	43.1	44.6	42	72.9	63.5	0	0	0	0
n	30	30	30	30	30	30	30	30	30	30	30	30
SD	25.4	25.4	46	45.3	46.9	47.6	37.9	43.9	0	0	0	0
Min	0	0	0	0	0	0	0	0	0	0	0	0
Max	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	0	0	0	0

Table F11. Airflow and emission data completeness (%) at site IN2H for July, 2007.

Day	Airflow		Ammonia		Hydrogen		PM_{10}		$PM_{2.5}$		TSP	
	H6	H7	H6	H7	H6	H7	H6	H7	H6	H7	H6	H7
1	100	100	0	0	0	0	100	100	0	0	0	0
2	100	100	0	0	0	0	100	100	0	0	0	0
3	100	100	0	0	0	0	65.6	100	0	0	0	0
4	100	100	0	0	0	0	0	100	0	0	0	0
5	100	100	0	0	0	0	0	97.3	0	0	0	0
6	100	100	0	0	0	0	0	100	0	0	0	0
7	100	100	0	0	0	0	0	100	0	0	0	0
8	99.9	99.9	0	0	0	0	0	99.9	0	0	0	0
9	99.2	100	85.1	85.8	85.8	86.5	0	100	0	0	0	0
10	100	100	100	100	100	100	0	100	0	0	0	0
11	100	100	58.5	62	58.6	62.2	0	100	0	0	0	0
12	100	100	100	100	100	100	14	73	0	0	0	0
13	100	100	100	100	100	100	90.8	0	0	0	0	0
14	100	100	100	100	100	100	100	0	0	0	0	0
15	100	100	100	100	100	100	100	0	0	0	0	0
16	55.7	55.7	50.6	52.6	50.6	52.6	55.7	0	0	0	0	0
17	56.5	56.5	47.1	49.2	47.2	49.3	45.8	0	0	0	0	0
18	99.2	99.2	99.2	99.2	99.2	99.2	45.5	0	0	0	0	0
19	99.4	100	99.4	100	99.4	100	0	0	0	0	0	0
20	100	100	100	100	100	100	0	0	0	0	0	0
21	100	100	100	100	100	100	0	0	0	0	0	0
22	99.9	99.9	99.9	99.9	99.9	99.9	0	0	0	0	0	0
23	100	100	100	100	100	100	0	0	0	0	0	0
24	100	100	100	100	100	100	0	0	0	0	0	0
25	72.2	67.5	62.8	58.1	65.3	58.3	0	0	0	0	0	0
26	99.9	99.9	99.9	80.6	99.9	80.8	0	0	0	0	0	0
27	99.4	99.4	55.7	51.5	55.7	51.5	23.3	27.4	0	0	0	0
28	100	100	0	0	0	0	100	100	0	0	0	0
29	100	100	0	0	0	0	100	100	0	0	0	0
30	100	100	0	0	0	0	100	100	0	0	0	0
31	99.7	99.7	0	0	0	0	99.7	99.7	0	0	0	0
Avg	96.2	96.1	53.5	52.9	53.6	52.9	36.8	51.5	0	0	0	0
n	31	31	31	31	31	31	31	31	31	31	31	31
SD	11.6	12	45.2	44.8	45.3	44.8	43.5	48.6	0	0	0	0
Min	55.7	55.7	0	0	0	0	0	0	0	0	0	0
Max	100	100	100	100	100	100	100	100	0	0	0	0

Table F11. Airflow and emission data completeness (%) at site IN2H for August, 2007.

Day	Airflow		Ammonia		Hydrogen		PM_{10}		$PM_{2.5}$		TSP	
	H6	H7	H6	H7	H6	H7	H6	H7	H6	H7	H6	H7
1	100	100	51	55.6	51	55.8	98.1	98.1	0	0	0	0
2	99.6	99.6	87	92.8	87.2	92.8	99.6	99.6	0	0	0	0
3	92.6	100	0	0	0	0	92.6	100	0	0	0	0
4	100	100	0	0	0	0	100	100	0	0	0	0
5	100	100	0	0	0	0	100	100	0	0	0	0
6	100	100	0	0	0	0	100	100	0	0	0	0
7	97.8	97.8	6.7	6.7	6.7	6.7	59.1	93.5	0	0	0	0
8	99.9	99.9	67.2	65.8	67.2	65.8	22.1	81.6	0	0	0	0
9	97.7	93.6	17.4	24.3	17.6	24.9	97.7	89.7	0	0	0	0
10	86.9	87.8	83.3	75.8	83.3	75.8	86.9	87.8	0	0	0	0
11	99.8	99.8	81.5	87.7	93.3	95.4	99.8	99.8	0	0	0	0
12	98.3	98.3	36	31.8	98.3	98.3	98.3	98.3	0	0	0	0
13	97.8	97.8	69.8	69.8	69.8	69.8	97.8	97.8	0	0	0	0
14	99	100	0	0	0	0	99	100	0	0	0	0
15	100	99.4	0	0	0	0	57.4	57.3	0	0	0	0
16	99.7	99.9	0	0	0	0	99.7	99.9	0	0	0	0
17	99.4	99.9	37.4	37.4	37.4	37.4	99.4	99.9	0	0	0	0
18	100	100	100	100	100	100	100	100	0	0	0	0
19	100	100	100	100	100	100	100	100	0	0	0	0
20	100	42.2	100	42.2	100	42.2	100	42.2	0	0	0	0
21	44.6	10.3	44.6	10.3	44.6	10.3	44.6	10.3	0	0	0	0
22	0	0	0	0	0	0	0	0	0	0	0	0
23	9.8	36.7	9.8	36.7	9.8	36.7	9.8	18.3	0	0	0	0
24	37.8	100	37.8	100	37.8	100	37.8	87.6	0	0	0	0
25	83.9	39.4	83.9	38.9	83.9	38.9	77.5	39.4	0	0	0	0
26	100	68.8	100	68.8	100	68.8	0	0	0	0	0	0
27	92.4	60.1	92.4	60.1	92.4	60.1	0	0	0	0	0	0
28	100	100	100	100	100	100	0	0	0	0	0	0
29	84	83.9	84	78.6	84	78.6	0	0	0	0	0	0
30	99.7	99.7	99.7	93.1	99.7	93.2	48.8	48.8	0	0	0	0
31	25.8	88.5	25.8	88.5	25.8	88.5	25.8	88.5	0	0	0	0
Avg	85.4	84	48.9	47.3	51.3	49.7	66.2	69	0	0	0	0
n	31	31	31	31	31	31	31	31	31	31	31	31
SD	28.3	28	39.7	37.6	40.9	38.9	39.4	39.1	0	0	0	0
Min	0	0	0	0	0	0	0	0	0	0	0	0
Max	100	100	100	100	100	100	100	100	0	0	0	0

Table F11. Airflow and emission data completeness (%) at site IN2H for September, 2007.

Day	Airflow		Ammonia		Hydrogen		PM_{10}		$PM_{2.5}$		TSP	
	H6	H7	H6	H7	H6	H7	H6	H7	H6	H7	H6	H7
1	0	100	0	100	0	100	0	100	0	0	0	0
2	0	99.5	0	99.5	0	99.5	0	99.5	0	0	0	0
3	0	99.7	0	99.7	0	99.7	0	99.7	0	0	0	0
4	0	100	0	100	0	100	0	100	0	0	0	0
5	0	99.2	0	99.2	0	99.2	0	95.6	0	0	0	0
6	0	98	0	98	0	98	0	98	0	0	0	0
7	0	93.3	0	93.3	0	93.3	0	81.7	0	0	0	0
8	0	79.9	0	79.9	0	79.9	0	79.9	0	0	0	0
9	0	89.4	0	89.4	0	89.4	0	89.4	0	0	0	0
10	0	84.3	0	84.3	0	84.3	0	84.3	0	0	0	0
11	0	66.1	0	66.1	0	66.1	0	66.1	0	0	0	0
12	0	97.8	0	97.8	0	97.8	0	97.8	0	0	0	0
13	0	63.3	0	51.9	0	51.9	0	60.1	0	0	0	0
14	0	0	0	0	0	0	0	0	0	0	0	0
15	0	0	0	0	0	0	0	0	0	0	0	0
16	0	0	0	0	0	0	0	0	0	0	0	0
17	0	0	0	0	0	0	0	0	0	0	0	0
18	25.1	25.1	18.1	22.2	18.1	22.2	0	0	25.1	25.1	0	0
19	63.3	63.3	52.5	56.7	52.6	56.8	52.8	52.8	2	2	0	0
20	100	100	100	100	100	100	100	100	0	0	0	0
21	86.4	85.7	86.4	73.6	86.4	73.8	86.4	85.7	0	0	0	0
22	99.3	100	99.3	100	99.3	100	99.3	100	0	0	0	0
23	100	100	100	100	100	100	100	100	0	0	0	0
24	100	99.9	100	99.9	100	99.9	100	98	0	0	0	0
25	95.1	94.9	95.1	94.9	95.1	94.9	95.1	94.9	0	0	0	0
26	96.9	29.4	96.9	29.4	96.9	29.4	96.9	29.4	0	0	0	0
27	34.2	57	34.2	57	34.2	57	34.2	49.4	0	0	0	0
28	66.6	100	66.6	100	66.6	100	66.6	100	0	0	0	0
29	100	100	100	100	100	100	100	100	0	0	0	0
30	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	0	0	0	0
Avg	35.5	74.2	34.9	73.1	35	73.1	34.4	72.1	0.9	0.9	0	0
n	30	30	30	30	30	30	30	30	30	30	30	30
SD	44	35.3	43.8	35.6	43.8	35.6	44.2	36.7	4.5	4.5	0	0
Min	0	0	0	0	0	0	0	0	0	0	0	0
Max	100	100	100	100	100	100	100	100	25.1	25.1	0	0

Table F11. Airflow and emission data completeness (%) at site IN2H for October, 2007.

Day	Airflow		Ammonia		Hydrogen		PM_{10}		$PM_{2.5}$		TSP	
	H6	H7	H6	H7	H6	H7	H6	H7	H6	H7	H6	H7
1	100	89.9	100	89.9	100	89.9	100	89.9	0	0	0	0
2	100	100	100	100	100	100	100	100	0	0	0	0
3	100	98.9	100	98.9	100	98.9	81.2	81.2	0	0	0	0
4	79.2	100	79.2	100	79.2	100	79.2	100	0	0	0	0
5	99.9	100	99.9	100	99.9	100	99.8	99.8	0	0	0	0
6	77.5	100	77.5	100	77.5	100	77.5	100	0	0	0	0
7	94.6	100	94.6	100	94.6	100	94.6	100	0	0	0	0
8	98.7	100	98.7	100	98.7	100	98.7	98.4	0	0	0	0
9	99.9	100	99.9	100	99.9	100	99.9	100	0	0	0	0
10	88.1	100	88.1	100	88.1	100	88.1	100	0	0	0	0
11	98.3	100	98.3	100	98.3	100	82.2	83.9	0	0	0	0
12	94.4	99.2	94.4	99.2	94.4	99.2	94.4	99.2	0	0	0	0
13	100	100	100	100	100	100	100	100	0	0	0	0
14	100	100	100	100	100	100	100	100	0	0	0	0
15	100	100	100	100	100	100	100	100	0	0	0	0
16	100	100	100	100	100	100	99.9	99.9	0	0	0	0
17	100	100	100	100	100	100	100	100	0	0	0	0
18	99.2	100	99.2	100	99.2	100	97.4	90.5	0	0	0	0
19	100	100	100	100	100	100	95	95	0	0	0	0
20	99.2	100	99.2	100	99.2	100	99.2	100	0	0	0	0
21	100	100	100	100	100	100	100	100	0	0	0	0
22	99.7	100	99.7	100	99.7	100	99.7	100	0	0	0	0
23	100	100	100	100	100	100	100	100	0	0	0	0
24	100	99.8	100	99.8	70.5	72.5	91.5	90.9	0	0	0	0
25	100	100	100	100	100	100	100	100	0	0	0	0
26	100	100	100	100	100	100	100	100	0	0	0	0
27	100	100	100	100	100	100	100	100	0	0	0	0
28	100	100	100	100	100	100	97.2	97.2	0	0	0	0
29	97.6	100	97.6	100	97.6	100	97.6	100	0	0	0	0
30	100	99.7	100	99.7	100	99.7	100	99.7	0	0	0	0
31	100	100	100	100	100	100	89.3	89.1	0	0	0	0
Avg	97.6	99.6	97.6	99.6	96.7	98.7	95.6	97.2	0	0	0	0
n	31	31	31	31	31	31	31	31	31	31	31	31
SD	5.6	1.8	5.6	1.8	7.4	5.1	6.8	5.1	0	0	0	0
Min	77.5	89.9	77.5	89.9	70.5	72.5	77.5	81.2	0	0	0	0
Max	100	100	100	100	100	100	100	100	0	0	0	0

Table F11. Airflow and emission data completeness (%) at site IN2H for November, 2007.

Day	Airflow		Ammonia		Hydrogen		PM_{10}		$PM_{2.5}$		TSP	
	H6	H7	H6	H7	H6	H7	H6	H7	H6	H7	H6	H7
1	100	100	100	100	100	100	100	99.7	0	0	0	0
2	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	0	0	0	0
3	100	100	100	100	100	100	100	100	0	0	0	0
4	100	100	100	100	100	100	100	100	0	0	0	0
5	100	100	100	100	100	100	100	100	0	0	0	0
6	100	100	100	100	100	100	100	100	0	0	0	0
7	100	100	28.2	32.4	72.6	100	91.8	91.8	0	0	0	0
8	98.5	98.5	35.2	10.2	98.5	71.2	67.4	65.5	24.4	24.4	0	0
9	98.5	98.5	70.5	98.5	70.6	98.5	0	0	98.5	98.5	0	0
10	100	100	100	100	100	100	0	0	100	100	0	0
11	100	100	100	100	100	100	0	0	99.7	99.7	0	0
12	100	81.4	100	81.4	100	81.4	0	0	100	81.4	0	0
13	100	100	100	100	100	100	0	0	100	100	0	0
14	100	100	100	100	100	100	0	0	76	76	0	0
15	74.1	74.1	66.9	60.7	67.1	67.1	0	0	74.1	74.1	0	0
16	100	100	100	100	100	100	0	0	100	100	0	0
17	100	100	100	100	100	100	0	0	100	100	0	0
18	100	100	100	100	100	100	0	0	100	100	0	0
19	100	100	100	100	100	100	0	0	100	100	0	0
20	100	100	100	100	100	100	34	34	54	54	0	0
21	100	53.1	100	53.1	100	53.1	100	53.1	0	0	0	0
22	100	68.8	100	68.8	100	68.8	100	68.8	0	0	0	0
23	99.7	100	99.7	100	99.7	100	99.7	100	0	0	0	0
24	82.8	82.8	68.9	66.8	69	66.9	76.2	76.2	0	0	0	0
25	100	100	100	100	100	100	100	100	0	0	0	0
26	100	100	100	100	100	100	100	100	0	0	0	0
27	100	100	100	100	100	100	100	100	0	0	0	0
28	100	100	100	100	100	100	100	100	0	0	0	0
29	100	100	100	100	100	100	100	100	0	0	0	0
30	100	100	100	100	77.4	77.4	100	99.7	0	0	0	0
Avg	98.5	95.2	92.3	89.1	95.2	92.8	59	56.3	37.6	36.9	0	0
n	30	30	30	30	30	30	30	30	30	30	30	30
SD	5.5	11.3	18.7	22.5	10.8	13.5	46.7	45.5	45.5	44.8	0	0
Min	74.1	53.1	28.2	10.2	67.1	53.1	0	0	0	0	0	0
Max	100	100	100	100	100	100	100	100	100	100	0	0

Table F11. Airflow and emission data completeness (%) at site IN2H for December, 2007.

Day	Airflow		Ammonia		Hydrogen		PM_{10}		$PM_{2.5}$		TSP	
	H6	H7	H6	H7	H6	H7	H6	H7	H6	H7	H6	H7
1	100	100	100	100	0	0	99.5	100	0	0	0	0
2	100	100	100	100	0	0	100	100	0	0	0	0
3	100	100	100	100	0	0	100	100	0	0	0	0
4	100	100	100	100	0	0	84.4	84.4	0	0	0	0
5	99.9	99.9	99.9	99.9	0	0	99.9	99.9	0	0	0	0
6	100	100	35.7	37.8	0	0	100	100	0	0	0	0
7	98.1	98.1	14	9.8	0	0	98.1	98.1	0	0	0	0
8	98.2	98.2	98.2	74.9	0	0	98.2	98.2	0	0	0	0
9	100	100	100	100	0	0	100	100	0	0	0	0
10	100	100	100	100	0	0	100	100	0	0	0	0
11	100	100	100	100	0	0	100	100	0	0	0	0
12	100	68.1	100	68.1	0	0	100	68.1	0	0	0	0
13	100	100	100	100	0	0	100	100	0	0	0	0
14	100	100	100	100	0	0	100	99.4	0	0	0	0
15	100	100	31	31	0	0	100	100	0	0	0	0
16	99.9	100	0	0	0	0	99.9	100	0	0	0	0
17	100	65.9	9.5	0	0	0	100	65.9	0	0	0	0
18	94.8	23.3	94.8	23.3	0	0	94.8	23.3	0	0	0	0
19	100	69.6	100	69.6	0	0	88.8	66.9	0	0	0	0
20	100	100	100	100	0	0	100	100	0	0	0	0
21	100	100	100	100	0	0	100	100	0	0	0	0
22	100	100	100	100	0	0	100	100	0	0	0	0
23	100	10.1	100	10.1	0	0	100	10.1	0	0	0	0
24	100	0	100	0	0	0	100	0	0	0	0	0
25	99.8	46	99.8	46	0	0	99.8	46	0	0	0	0
26	100	100	100	100	0	0	80.6	80.6	0	0	0	0
27	100	100	100	100	0	0	100	100	0	0	0	0
28	100	100	100	100	0	0	100	100	0	0	0	0
29	100	100	100	100	0	0	100	100	0	0	0	0
30	100	100	100	100	0	0	100	100	0	0	0	0
31	99.7	99.7	99.7	99.7	0	0	99.7	99.7	0	0	0	0
Avg	99.7	86.4	86.5	73.2	0	0	98.2	85.2	0	0	0	0
n	31	31	31	31	31	31	31	31	31	31	31	31
SD	1	28	30.5	37.7	0	0	4.7	27.8	0	0	0	0
Min	94.8	0	0	0	0	0	80.6	0	0	0	0	0
Max	100	100	100	100	0	0	100	100	0	0	0	0

Table F11. Airflow and emission data completeness (%) at site IN2H for January, 2008.

Day	Airflow		Ammonia		Hydrogen		PM_{10}		$PM_{2.5}$		TSP	
	H6	H7	H6	H7	H6	H7	H6	H7	H6	H7	H6	H7
1	53.9	53.9	39.2	40.6	0	0	5.7	5.7	0	0	0	0
2	52.7	52.7	48.8	46	0	0	0	0	0	0	0	0
3	100	100	56.5	100	0	0	43.3	43.3	0	0	0	0
4	99	99	99	99	0	0	83.8	83.5	0	0	0	0
5	99.3	99.3	99.3	99.3	0	0	99.3	99.3	0	0	0	0
6	100	100	100	100	0	0	100	100	0	0	0	0
7	100	100	100	100	0	0	100	100	0	0	0	0
8	100	64.9	100	64.9	0	0	100	64.9	0	0	0	0
9	99.3	99.3	99.3	99.3	0	0	99.3	99.3	0	0	0	0
10	96.2	100	53.3	57.5	0	0	96.2	100	0	0	0	0
11	97.4	97.4	38	40	38.1	40.6	89.2	89.2	0	0	0	0
12	100	100	100	100	100	100	100	100	0	0	0	0
13	99.9	98.1	99.9	98.1	99.9	98.1	99.9	98.1	0	0	0	0
14	100	100	100	100	100	100	100	100	0	0	0	0
15	99.9	99.4	99.9	99.4	99.9	99.4	99.9	99.4	0	0	0	0
16	99.4	99.6	99.4	99.6	99.4	99.6	98.5	99.4	0	0	0	0
17	92	92	73.9	75.3	44.7	44.7	91.7	92	0	0	0	0
18	87	87.2	13	10.9	0	0	71.7	72.2	0	0	0	0
19	46.1	46.1	42.2	32.9	0	0	46.1	46.1	0	0	0	0
20	100	100	100	100	0	0	100	100	0	0	0	0
21	100	100	100	100	0	0	100	100	0	0	0	0
22	100	100	100	100	0	0	100	100	0	0	0	0
23	100	100	100	100	0	0	100	100	0	0	0	0
24	100	99.9	100	99.9	0	0	72	71.7	0	0	0	0
25	99.7	99.7	99.7	99.7	0	0	99.7	99.7	0	0	0	0
26	100	100	100	100	0	0	100	100	0	0	0	0
27	99.4	99.4	99.4	99.4	0	0	99.4	99.4	0	0	0	0
28	100	100	100	100	0	0	100	100	0	0	0	0
29	100	100	100	100	0	0	100	100	0	0	0	0
30	100	100	100	100	0	0	74.2	74.2	0	0	0	0
31	99.2	99.2	99.2	99.2	0	0	0	0	0	0	24.2	24.2
Avg	94.2	93.1	85.8	85.8	18.8	18.8	82.9	81.9	0	0	0.8	0.8
n	31	31	31	31	31	31	31	31	31	31	31	31
SD	14.5	15.3	25.1	25.3	37	36.9	30.4	30.4	0	0	4.3	4.3
Min	46.1	46.1	13	10.9	0	0	0	0	0	0	0	0
Max	100	100	100	100	100	100	100	100	0	0	24.2	24.2

Table F11. Airflow and emission data completeness (%) at site IN2H for February, 2008.

Day	Airflow		Ammonia		Hydrogen		PM_{10}		$PM_{2.5}$		TSP	
	H6	H7	H6	H7	H6	H7	H6	H7	H6	H7	H6	H7
1	100	100	100	100	0	0	0	0	0	0	98.4	100
2	100	100	100	100	0	0	0	0	0	0	96.7	100
3	100	100	100	100	0	0	0	0	0	0	100	100
4	100	100	100	100	0	0	0	0	0	0	98.2	100
5	96.4	76.6	96.4	76.6	0	0	0	0	0	0	96.4	76.6
6	100	0	69	0	0	0	0	0	0	0	98.6	0
7	100	0	100	0	0	0	0	0	0	0	100	0
8	100	66.9	100	66.9	0	0	34.5	34.5	0	0	53.3	20.3
9	100	100	100	100	0	0	100	100	0	0	0	0
10	100	100	100	100	0	0	100	97.8	0	0	0	0
11	100	100	100	100	0	0	99.2	100	0	0	0	0
12	100	100	100	100	0	0	100	100	0	0	0	0
13	94.1	94	55.2	51	0	0	89.6	94	0	0	0	0
14	66.9	65.9	63	31.7	0	0	61	57.8	0	0	0	0
15	99.4	99.3	47.8	59.6	0	0	99.4	99.3	0	0	0	0
16	100	100	100	100	0	0	100	100	0	0	0	0
17	97.8	92.2	97.8	92.2	0	0	97.8	92.2	0	0	0	0
18	95.9	92.8	93	87.8	0	0	95.9	92.8	0	0	0	0
19	64.7	64.7	60.8	58	0	0	64.7	64.7	0	0	0	0
20	100	100	100	100	0	0	91.4	91.3	0	0	0	0
21	82.7	98.8	82.7	98.8	0	0	82.7	98.8	0	0	0	0
22	72.2	76.8	26.7	31.2	0	0	72.2	76.3	0	0	0	0
23	63.8	99	21.2	20.5	0	0	63	99	0	0	0	0
24	100	100	100	100	0	0	100	100	0	0	0	0
25	99.8	99.8	99.8	99.8	0	0	99.8	99.8	0	0	0	0
26	100	100	100	100	0	0	100	100	0	0	0	0
27	100	100	100	100	0	0	99.5	100	0	0	0	0
28	35.3	97.2	26.1	74.9	0	0	35.3	97.2	0	0	0	0
29	53.3	99.2	53.3	99.2	0	0	53.3	90.3	0	0	0	0
Avg	90.4	87	82.5	77.5	0	0	63.4	68.5	0	0	25.6	17.1
n	29	29	29	29	29	29	29	29	29	29	29	29
SD	17.1	26.2	25.8	31.8	0	0	40.4	41.3	0	0	42.2	36.1
Min	35.3	0	21.2	0	0	0	0	0	0	0	0	0
Max	100	100	100	100	0	0	100	100	0	0	100	100

Table F11. Airflow and emission data completeness (%) at site IN2H for March, 2008.

Day	Airflow		Ammonia		Hydrogen		PM_{10}		$PM_{2.5}$		TSP	
	H6	H7	H6	H7	H6	H7	H6	H7	H6	H7	H6	H7
1	95.5	95.5	95.5	95.5	0	0	93.9	95.5	0	0	0	0
2	71.3	71.3	61.1	62.5	0	0	70.5	71.3	0	0	0	0
3	100	100	100	100	0	0	100	100	0	0	0	0
4	100	100	100	100	0	0	100	100	0	0	0	0
5	100	100	100	100	0	0	100	100	0	0	0	0
6	99.7	99.7	99.7	99.7	0	0	99.7	99.7	0	0	0	0
7	97.8	99.8	97.8	99.8	0	0	95.3	97.7	0	0	0	0
8	100	100	100	100	0	0	99.4	100	0	0	0	0
9	79	79	68.1	67.4	0	0	79	79	0	0	0	0
10	100	100	100	100	0	0	80.4	100	0	0	0	0
11	100	100	100	100	0	0	100	99.4	0	0	0	0
12	79.8	79.8	72.2	70.1	0	0	59.7	60.1	0	0	0	0
13	100	100	100	100	0	0	100	100	0	0	0	0
14	100	100	100	100	0	0	100	100	0	0	0	0
15	100	100	100	100	0	0	100	100	0	0	0	0
16	98.9	100	98.9	100	0	0	98.9	100	0	0	0	0
17	100	100	100	100	0	0	100	100	0	0	0	0
18	100	100	100	100	0	0	100	100	0	0	0	0
19	99.7	99.7	99.7	99.7	0	0	92.8	92.8	0	0	0	0
20	100	100	100	100	0	0	83	83	0	0	0	0
21	99.8	99.8	99.8	99.8	0	0	0	0	0	0	0	0
22	100	100	100	100	0	0	0	0	0	0	0	0
23	99.9	99.9	99.9	99.9	0	0	0	0	0	0	0	0
24	100	100	100	100	0	0	0	0	0	0	0	0
25	100	100	100	100	0	0	0	0	0	0	0	0
26	100	100	100	100	0	0	0	0	0	0	0	0
27	70.1	76	70.1	76	0	0	0	0	0	0	0	0
28	100	77.1	100	77.1	0	0	0	0	0	0	0	0
29	100	100	100	100	0	0	0	0	0	0	0	0
30	100	100	100	100	0	0	0	0	0	0	0	0
31	100	61.2	100	61.2	0	0	0	0	0	0	0	0
Avg	96.5	94.8	95.6	93.8	0	0	59.8	60.6	0	0	0	0
n	31	31	31	31	31	31	31	31	31	31	31	31
SD	8.5	10.6	10.8	12.5	0	0	45.3	45.8	0	0	0	0
Min	70.1	61.2	61.1	61.2	0	0	0	0	0	0	0	0
Max	100	100	100	100	0	0	100	100	0	0	0	0

Table F11. Airflow and emission data completeness (%) at site IN2H for April, 2008.

Day	Airflow		Ammonia		Hydrogen		PM_{10}		$PM_{2.5}$		TSP	
	H6	H7	H6	H7	H6	H7	H6	H7	H6	H7	H6	H7
1	92.9	100	92.9	100	0	0	0	0	0	0	0	0
2	89.9	99.4	89.9	99.4	0	0	0	0	0	0	0	0
3	98.1	98.5	98.1	98.5	0	0	0	0	0	0	0	0
4	100	100	100	100	0	0	0	0	0	0	0	0
5	100	100	100	100	0	0	0	0	0	0	0	0
6	100	99.6	100	99.6	0	0	0	0	0	0	0	0
7	100	100	100	100	0	0	0	0	0	0	0	0
8	100	100	100	100	0	0	0	0	0	0	0	0
9	98.2	100	98.2	100	0	0	0	0	0	0	0	0
10	78.7	100	78.7	100	0	0	0	0	0	0	0	0
11	90.6	98.6	90.6	98.6	0	0	0	0	0	0	0	0
12	98.3	99.7	98.3	99.7	0	0	0	0	0	0	0	0
13	91.6	100	91.6	100	0	0	0	0	0	0	0	0
14	91.5	100	91.5	100	0	0	0	0	0	0	0	0
15	80.1	100	80.1	100	0	0	0	0	0	0	0	0
16	80.9	100	80.9	100	0	0	0	0	0	0	0	0
17	83.3	99.4	83.3	99.4	0	0	0	0	0	0	0	0
18	95.3	100	95.3	100	0	0	0	0	0	0	0	0
19	90.8	94.9	67.9	69.6	0	0	0	0	0	0	0	0
20	95.5	100	95.5	100	0	0	0	0	0	0	0	0
21	98.8	100	98.8	100	0	0	0	0	0	0	0	0
22	98.4	99.9	98.4	99.9	0	0	0	0	0	0	0	0
23	98.7	99.9	98.7	99.9	0	0	0	0	0	0	0	0
24	96.4	100	96.4	100	0	0	0	0	0	0	0	0
25	74.2	100	74.2	100	0	0	0	0	0	0	0	0
26	96.5	100	96.5	100	0	0	81.3	84.9	0	0	0	0
27	91.7	100	91.7	100	0	0	91.7	100	0	0	0	0
28	95.5	100	95.5	100	0	0	95.5	100	0	0	0	0
29	91.3	100	91.3	100	0	0	91.3	100	0	0	0	0
30	94.7	99.7	94.7	99.7	0	0	94.7	99.7	0	0	0	0
Avg	93.1	99.7	92.3	98.8	0	0	15.1	16.2	0	0	0	0
n	30	30	30	30	30	30	30	30	30	30	30	30
SD	7	1	8.3	5.4	0	0	33.9	36.2	0	0	0	0
Min	74.2	94.9	67.9	69.6	0	0	0	0	0	0	0	0
Max	100	100	100	100	0	0	95.5	100	0	0	0	0

Table F11. Airflow and emission data completeness (%) at site IN2H for May, 2008.

Day	Airflow		Ammonia		Hydrogen		PM_{10}		$PM_{2.5}$		TSP	
	H6	H7	H6	H7	H6	H7	H6	H7	H6	H7	H6	H7
1	92.4	100	59.2	72.4	58.8	72.2	80.9	87.8	0	0	0	0
2	87.8	98.5	64.4	69.8	64.7	69.9	87.8	77.2	0	0	0	0
3	97.8	100	97.8	100	97.8	100	97.8	0	0	0	0	0
4	93.4	99.9	93.4	99.9	93.4	99.9	93.4	0	0	0	0	0
5	95.8	99.9	95.8	99.9	95.8	99.9	95.8	0	0	0	0	0
6	100	100	100	100	100	100	100	0	0	0	0	0
7	100	100	100	100	100	100	100	0	0	0	0	0
8	100	100	100	100	100	100	97.6	0	0	0	0	0
9	100	100	100	100	100	100	100	0	0	0	0	0
10	100	100	100	100	100	100	100	0	0	0	0	0
11	100	100	100	100	100	100	100	0	0	0	0	0
12	100	100	100	100	100	100	100	0	0	0	0	0
13	100	100	100	100	30.8	100	100	0	0	0	0	0
14	100	100	100	100	100	100	94.3	0	0	0	0	0
15	87.6	87.7	87.6	87.7	87.6	87.7	87.6	0	0	0	0	0
16	98.9	97.4	98.9	97.4	98.9	97.4	98.9	0	0	0	0	0
17	100	100	100	100	100	100	100	0	0	0	0	0
18	100	100	100	100	100	100	100	0	0	0	0	0
19	100	71	100	71	100	71	100	0	0	0	0	0
20	100	80.1	100	80.1	100	80.1	100	0	0	0	0	0
21	100	100	100	100	100	100	100	0	0	0	0	0
22	99.5	99.5	57.2	76	71.8	76	43.6	0	0	0	0	0
23	97.8	97.8	32.2	28.1	32.4	28.2	0	0	0	0	0	0
24	100	100	100	100	100	100	0	0	0	0	0	0
25	100	100	100	100	100	100	0	0	0	0	0	0
26	75.1	75.1	67.3	71.5	67.3	71.5	0	0	0	0	0	0
27	73	73	70.4	66.3	70.6	66.4	0	0	0	0	0	0
28	100	100	71.7	100	100	100	0	0	0	0	0	0
29	99.6	99.6	99.6	99.6	99.6	99.6	0	0	0	0	0	0
30	100	100	100	100	100	100	0	0	0	0	0	0
31	100	100	100	100	100	100	0	0	0	0	0	0
Avg	96.7	96.1	90.2	91	89.3	91	67	5.3	0	0	0	0
n	31	31	31	31	31	31	31	31	31	31	31	31
SD	6.8	8.6	17.3	16.3	19.5	16.3	44.1	20.3	0	0	0	0
Min	73	71	32.2	28.1	30.8	28.2	0	0	0	0	0	0
Max	100	100	100	100	100	100	100	87.8	0	0	0	0

Table F11. Airflow and emission data completeness (%) at site IN2H for June, 2008.

Day	Airflow		Ammonia		Hydrogen		PM_{10}		$PM_{2.5}$		TSP	
	H6	H7	H6	H7	H6	H7	H6	H7	H6	H7	H6	H7
1	100	100	100	100	100	100	0	0	0	0	0	0
2	100	100	100	100	100	100	0	0	0	0	0	0
3	100	99.2	100	99.2	100	99.2	0	0	0	0	0	0
4	100	100	100	100	100	100	0	0	0	0	0	0
5	99.9	99.9	99.9	99.9	16.7	17.5	0	0	0	0	0	0
6	100	100	100	100	0	0	0	0	0	0	0	0
7	100	67.5	100	67.5	0	0	0	0	0	0	0	0
8	100	57.8	100	57.8	63.1	30.5	0	0	0	0	0	0
9	100	87.9	24.7	12.6	50.3	44.5	0	0	0	0	0	0
10	100	100	0	0	100	100	0	0	0	0	0	0
11	100	100	15.8	15.8	70.5	64.2	0	0	0	0	0	0
12	100	100	100	100	100	100	0	0	0	0	0	0
13	99.7	99.7	99.7	99.7	99.7	99.7	0	0	0	0	0	0
14	100	100	100	100	100	100	0	0	0	0	0	0
15	100	100	100	100	100	100	0	0	0	0	0	0
16	100	100	100	100	100	100	0	0	0	0	0	0
17	100	100	100	100	100	100	0	0	0	0	0	0
18	100	100	100	100	100	100	0	0	0	0	0	0
19	100	100	100	100	100	100	0	0	0	0	0	0
20	100	100	100	100	100	100	0	0	0	0	0	0
21	100	99.4	100	99.4	100	99.4	0	0	0	0	0	0
22	100	100	37.2	37.2	37.2	37.2	0	0	0	0	0	0
23	100	100	0	0	0	0	0	0	0	0	0	0
24	100	100	0	0	0	0	0	0	0	0	0	0
25	96.1	96.1	0	0	0	0	0	0	0	0	0	0
26	99.1	99.1	29	24.9	29.2	34.7	0	0	0	0	11.9	0
27	99.4	99.4	99.4	99.4	99.4	99.4	26.4	0	0	0	40.8	0
28	100	100	100	100	100	100	100	0	0	0	0	0
29	100	100	100	100	100	100	100	0	0	0	0	0
30	100	100	100	100	100	100	100	0	0	0	0	0
Avg	99.8	96.9	76.9	73.8	72.2	70.9	10.9	0	0	0	1.8	0
n	30	30	30	30	30	30	30	30	30	30	30	30
SD	0.7	9.5	39	39.4	39.8	40.3	30.1	0	0	0	7.6	0
Min	96.1	57.8	0	0	0	0	0	0	0	0	0	0
Max	100	100	100	100	100	100	100	0	0	0	40.8	0

Table F11. Airflow and emission data completeness (%) at site IN2H for July, 2008.

Day	Airflow		Ammonia		Hydrogen		PM_{10}		$PM_{2.5}$		TSP	
	H6	H7	H6	H7	H6	H7	H6	H7	H6	H7	H6	H7
1	100	100	100	100	100	100	100	0	0	0	0	0
2	99.9	99.9	99.9	99.9	99.9	99.9	81.8	28.7	0	0	0	0
3	100	100	100	100	100	100	100	100	0	0	0	0
4	99.5	99.4	99.5	99.4	99.5	99.4	99.5	99.4	0	0	0	0
5	100	100	100	100	100	100	100	100	0	0	0	0
6	100	100	100	100	100	100	99.1	100	0	0	0	0
7	100	100	61.7	69	61.7	69.1	99.9	99.9	0	0	0	0
8	100	98.3	32.2	45	88.7	98.3	97.6	89.6	0	0	0	0
9	100	100	24.7	28.8	100	100	100	100	0	0	0	0
10	99.7	99.7	99.7	99.7	99.7	99.7	96.3	96.5	0	0	0	0
11	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	0	0	0	0
12	100	100	100	100	100	100	99.9	99.9	0	0	0	0
13	100	55.6	100	55.6	100	55.6	100	55.6	0	0	0	0
14	100	66.2	100	66.2	100	66.2	100	66.2	0	0	0	0
15	100	100	100	100	100	100	89.7	89.7	0	0	0	0
16	80	80	72.9	62.5	73.1	62.6	79.3	79.3	0	0	0	0
17	100	100	100	100	100	100	95.8	95.8	0	0	0	0
18	96.5	96.5	80.7	70.3	80.8	80.8	88.3	88.3	0	0	0	0
19	100	100	100	100	100	100	100	100	0	0	0	0
20	100	100	100	100	100	100	100	100	0	0	0	0
21	100	100	100	100	100	100	100	100	0	0	0	0
22	100	100	100	100	100	100	100	100	0	0	0	0
23	100	100	100	70.3	100	70.5	62.3	62.3	0	0	0	0
24	100	99.8	100	72.2	100	72.4	0	0	0	0	0	0
25	100	100	100	100	100	100	0	0	0	0	0	0
26	100	100	100	100	100	100	0	0	0	0	0	0
27	100	100	100	100	100	100	0	0	0	0	0	0
28	100	100	100	100	100	100	0	0	0	0	0	0
29	100	100	100	100	100	100	0	0	0	0	0	0
30	100	100	100	100	100	100	0	0	0	0	0	0
31	99.9	99.9	99.8	99.8	99.8	99.8	0	0	0	0	0	0
Avg	99.2	96.6	92.6	88.3	96.9	92.7	70.6	62.9	0	0	0	0
n	31	31	31	31	31	31	31	31	31	31	31	31
SD	3.6	10.1	19	19.6	8.8	13.7	42.4	43.2	0	0	0	0
Min	80	55.6	24.7	28.8	61.7	55.6	0	0	0	0	0	0
Max	100	100	100	100	100	100	100	100	0	0	0	0

Table F11. Airflow and emission data completeness (%) at site IN2H for August, 2008.

Day	Airflow		Ammonia		Hydrogen		PM_{10}		$PM_{2.5}$		TSP	
	H6	H7	H6	H7	H6	H7	H6	H7	H6	H7	H6	H7
1	100	98.1	100	98.1	100	98.1	0	0	0	0	0	0
2	100	34.9	100	34.9	100	34.9	0	0	0	0	0	0
3	100	14.5	100	14.5	100	14.5	0	0	0	0	0	0
4	100	80.5	100	80.5	100	80.5	0	0	0	0	0	0
5	100	100	100	100	100	100	0	0	0	0	0	0
6	100	100	100	100	100	100	0	0	0	0	0	0
7	100	100	100	100	100	100	0	0	0	0	0	0
8	99.8	99.8	62	70.3	60.1	70.5	0	0	0	0	0	0
9	98.5	100	98.5	100	98.5	100	0	0	0	0	0	0
10	61.1	100	61.1	100	61.1	100	0	0	0	0	0	0
11	97.9	100	97.9	100	97.9	100	0	0	0	0	0	0
12	100	100	100	100	100	100	0	0	0	0	0	0
13	100	100	50.3	54.4	52.4	54.4	0	0	0	0	0	0
14	98.8	98.8	37.4	33.3	37.6	33.4	40.3	40.3	0	0	0	0
15	100	100	100	100	100	100	100	100	0	0	0	0
16	100	100	100	100	100	100	100	100	0	0	0	0
17	100	100	100	100	100	100	100	100	0	0	0	0
18	100	100	100	100	100	100	98.8	98.8	0	0	0	0
19	95.3	98.3	95.3	98.3	95.3	98.3	95.3	98.3	0	0	0	0
20	100	100	100	100	100	100	100	100	0	0	0	0
21	99.9	99.9	70.9	69.5	71	69.7	99.9	99.9	0	0	0	0
22	99	99	99	72.1	99	72.2	81.6	81.7	0	0	0	0
23	100	100	100	100	100	100	100	100	0	0	0	0
24	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	0	0	0	0
25	95.2	100	95.2	100	95.2	100	95.2	100	0	0	0	0
26	100	100	100	100	100	100	100	100	0	0	0	0
27	100	100	100	100	100	100	100	100	0	0	0	0
28	99	100	99	100	99	100	90.8	91.9	0	0	0	0
29	100	100	100	100	100	100	86.7	87.8	0	0	0	0
30	100	100	100	100	100	100	100	100	0	0	0	0
31	98.3	100	98.1	100	98.1	100	98.1	100	0	0	0	0
Avg	98.1	94.3	92.4	87.9	92.4	87.9	54.4	54.8	0	0	0	0
n	31	31	31	31	31	31	31	31	31	31	31	31
SD	6.9	18.8	16.5	23.1	16.4	23.1	47.4	47.8	0	0	0	0
Min	61.1	14.5	37.4	14.5	37.6	14.5	0	0	0	0	0	0
Max	100	100	100	100	100	100	100	100	0	0	0	0

Table F11. Airflow and emission data completeness (%) at site IN2H for September, 2008.

Day	Airflow		Ammonia		Hydrogen		PM_{10}		$PM_{2.5}$		TSP	
	H6	H7	H6	H7	H6	H7	H6	H7	H6	H7	H6	H7
1	100	100	100	100	100	100	100	100	0	0	0	0
2	100	100	100	100	100	100	100	100	0	0	0	0
3	100	94	100	94	100	94	97.4	93	0	0	0	0
4	99.9	99.9	99.9	99.8	99.9	99.8	85.7	89.4	0	0	0	0
5	96.7	99.7	96.6	99.7	96.6	99.7	96.6	89.5	0	0	0	0
6	100	100	100	100	100	100	100	100	0	0	0	0
7	100	100	100	100	100	100	100	100	0	0	0	0
8	100	100	100	100	100	100	100	100	0	0	0	0
9	98.2	99.8	98.2	99.8	98.2	99.8	98.2	99.8	0	0	0	0
10	92.4	100	92.4	100	92.4	100	92.4	99.7	0	0	0	0
11	91.8	99.4	91.8	99.4	91.8	99.4	78.8	86.6	0	0	0	0
12	96.1	99.9	72.3	99.9	72.4	99.9	96.1	99.9	0	0	0	0
13	100	100	100	100	100	100	100	100	0	0	0	0
14	100	100	100	100	100	100	100	100	0	0	0	0
15	100	100	100	100	100	100	100	100	0	0	0	0
16	100	100	100	100	100	100	100	100	0	0	0	0
17	99.9	100	99.9	100	99.9	100	99.9	100	0	0	0	0
18	99.6	99.6	38.4	32.2	38.4	32.2	92.8	92.9	0	0	0	0
19	97.9	98.1	40.3	64.8	40.8	64.8	97.9	98.1	0	0	0	0
20	100	100	100	100	100	100	100	100	0	0	0	0
21	100	100	100	100	100	100	100	100	0	0	0	0
22	99.8	99.8	99.6	99.6	99.6	99.6	87.8	87	0	0	0	0
23	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	0	0	0	0
24	100	100	100	100	100	100	100	100	0	0	0	0
25	100	100	100	100	100	100	100	100	0	0	0	0
26	100	100	100	100	100	100	100	100	0	0	0	0
27	100	100	100	100	100	100	100	100	0	0	0	0
28	100	100	100	100	100	100	100	100	0	0	0	0
29	100	100	100	100	100	100	100	100	0	0	0	0
30	100	100	100	100	100	100	100	100	0	0	0	0
Avg	99.1	99.7	94.3	96.3	94.3	96.3	97.4	97.8	0	0	0	0
n	30	30	30	30	30	30	30	30	30	30	30	30
SD	2.1	1.1	15.6	13.5	15.5	13.5	5	4.2	0	0	0	0
Min	91.8	94	38.4	32.2	38.4	32.2	78.8	86.6	0	0	0	0
Max	100	100	100	100	100	100	100	100	0	0	0	0

Table F11. Airflow and emission data completeness (%) at site IN2H for October, 2008.

Day	Airflow		Ammonia		Hydrogen		PM_{10}		$PM_{2.5}$		TSP	
	H6	H7	H6	H7	H6	H7	H6	H7	H6	H7	H6	H7
1	100	100	100	100	100	100	100	100	0	0	0	0
2	100	100	100	100	100	100	100	100	0	0	0	0
3	99.4	99.4	97.7	99.4	97.7	99.4	90.1	89.6	0	0	0	0
4	4.8	4.8	0	2.5	0	2.5	4.8	4.8	0	0	0	0
5	0	0	0	0	0	0	0	0	0	0	0	0
6	0	0	0	0	0	0	0	0	0	0	0	0
7	47.4	47.4	47.4	47.4	47.4	47.4	47.4	44.2	0	0	0	0
8	100	100	43.3	43.9	70.5	71.9	93	92.7	0	0	0	0
9	100	100	100	100	100	100	100	96.9	0	0	0	0
10	100	100	100	100	100	100	100	100	0	0	0	0
11	100	100	100	100	100	100	100	100	0	0	0	0
12	100	100	100	100	100	100	100	100	0	0	0	0
13	100	100	100	100	100	72.6	100	100	0	0	0	0
14	100	92.3	100	64.7	15.1	15.1	100	92.3	0	0	0	0
15	100	79.1	62	51.5	0	0	92.6	71	0	0	0	0
16	91.3	100	91.3	100	0	0	91.3	100	0	0	0	0
17	78.5	100	78.5	100	0	0	78.5	100	0	0	0	0
18	100	100	100	100	0	0	100	100	0	0	0	0
19	100	100	100	100	0	0	100	100	0	0	0	0
20	100	100	100	100	0	0	100	99.7	0	0	0	0
21	96.8	100	96.8	100	0	0	92.7	100	0	0	0	0
22	95.1	99.9	95.1	99.9	0	0	95.1	99.9	0	0	0	0
23	96.6	100	96.6	100	0	0	81.1	88.1	0	0	0	0
24	92.6	93	92.6	93	0	0	92.6	93	0	0	0	0
25	95.6	100	95.6	100	0	0	95.6	100	0	0	0	0
26	98.8	100	98.8	100	0	0	98.8	100	0	0	0	0
27	97.8	100	97.8	100	0	0	97.8	100	0	0	0	0
28	84.2	93.3	84.2	93.3	0	0	75.7	84.7	0	0	0	0
29	95.6	88	60.6	71.3	0	0	95.2	88	0	0	0	0
30	97.5	100	97.5	100	0	0	97.5	100	0	0	0	0
31	83.4	63.8	83.4	63.8	0	0	83.4	63.8	0	0	0	0
Avg	85.6	85.8	81.3	81.6	30	29.3	84	84.2	0	0	0	0
n	31	31	31	31	31	31	31	31	31	31	31	31
SD	29.3	29.9	30.7	31.5	43.6	42.6	29	29.7	0	0	0	0
Min	0	0	0	0	0	0	0	0	0	0	0	0
Max	100	100	100	100	100	100	100	100	0	0	0	0

Table F11. Airflow and emission data completeness (%) at site IN2H for November, 2008.

Day	Airflow		Ammonia		Hydrogen		PM_{10}		$PM_{2.5}$		TSP	
	H6	H7	H6	H7	H6	H7	H6	H7	H6	H7	H6	H7
1	100	100	100	100	0	0	100	100	0	0	0	0
2	100	100	100	100	0	0	100	100	0	0	0	0
3	100	100	100	100	0	0	100	100	0	0	0	0
4	100	100	100	100	0	0	100	100	0	0	0	0
5	100	100	100	100	0	0	84.9	69.9	0	0	0	0
6	100	100	100	72.4	0	0	100	0	0	0	0	0
7	100	100	100	100	0	0	100	0	0	0	0	0
8	99.9	100	99.9	100	0	0	99.9	0	0	0	0	0
9	99.4	99.3	99.4	99.3	0	0	99.4	0	0	0	0	0
10	96.9	97.8	96.9	97.8	0	0	96.9	0	0	0	0	0
11	96.2	99.4	96.2	99.4	0	0	96.2	0	0	0	0	0
12	86.2	98.6	86.2	98.6	0	0	86.2	0	0	0	0	0
13	64.8	64.8	36.2	40.3	0	0	52.6	0	0	0	0	0
14	100	100	0	0	0	0	100	0	0	0	0	0
15	99.9	99.9	0	0	0	0	99.9	0	0	0	0	0
16	99.6	99.2	0	0	0	0	99.6	0	0	0	0	0
17	97.7	98.5	0	0	0	0	97.7	0	0	0	0	0
18	97.9	95.8	2	0.3	0	0	97.9	0	0	0	0	0
19	94.6	99.4	94.6	99.4	0	0	94.6	0	0	0	0	0
20	90.4	92.3	90.4	78.9	0	0	90.4	0	0	0	0	0
21	95.6	91.9	95.6	91.9	0	0	95.6	0	0	0	0	0
22	89.2	94.9	89.2	94.9	0	0	89.2	0	0	0	0	0
23	95.9	96.7	95.9	96.7	0	0	95.9	0	0	0	0	0
24	98.1	99.9	98.1	99.9	0	0	98.1	0	0	0	0	0
25	95.8	99.6	95.8	99.6	0	0	82.2	19.4	0	0	0	0
26	95.6	99.4	95.6	99.4	94.3	98.1	95.6	99.4	0	0	0	0
27	96.1	99.1	96.1	99.1	96.1	99.1	96.1	99.1	0	0	0	0
28	97.8	99.6	97.8	99.6	97.8	99.6	97.8	99.6	0	0	0	0
29	93.6	98.5	93.6	98.5	93.6	98.5	93.6	98.5	0	0	0	0
30	98.8	100	98.8	100	98.8	100	98.8	100	0	0	0	0
Avg	96	97.5	78.6	78.9	16	16.5	94.6	32.9	0	0	0	0
n	30	30	30	30	30	30	30	30	30	30	30	30
SD	6.7	6.4	36.8	37.2	35.8	36.9	9.2	45.5	0	0	0	0
Min	64.8	64.8	0	0	0	0	52.6	0	0	0	0	0
Max	100	100	100	100	98.8	100	100	100	0	0	0	0

Table F11. Airflow and emission data completeness (%) at site IN2H for December, 2008.

Day	Airflow		Ammonia		Hydrogen		PM_{10}		$PM_{2.5}$		TSP	
	H6	H7	H6	H7	H6	H7	H6	H7	H6	H7	H6	H7
1	99.4	99.7	99.4	99.7	99.4	99.7	99.1	99.7	0	0	0	0
2	60.5	59.9	56	47.2	56.2	47.3	60.5	59.9	0	0	0	0
3	93.5	99.8	93.5	99.8	93.5	99.8	93.1	99.8	0	0	0	0
4	99.2	98.1	99.2	98.1	99.2	98.1	66.3	81.3	0	0	0	0
5	94.7	97.5	94.7	97.5	94.7	97.5	0	96.2	0	0	0	0
6	96.7	99	96.7	99	96.7	99	0	99	0	0	0	0
7	93.5	96.5	93.5	96.5	93.5	96.5	0	96.5	0	0	0	0
8	95.4	97	95.4	97	95.4	97	0	97	0	0	0	0
9	99.1	100	99.1	100	99.1	100	0	100	0	0	0	0
10	92.1	99.7	92.1	99.7	92.1	99.7	0	99.7	0	0	0	0
11	94.9	99.1	51.1	49	51.3	49.2	0	98.9	0	0	0	0
12	93.2	98.1	93.2	98.1	93.2	98.1	0	64.6	0	0	7.6	19.4
13	90.8	96.9	90.8	96.9	90.8	96.9	0	0	0	0	0	96.9
14	100	100	100	100	100	100	0	0	0	0	0	100
15	44.1	93.8	44.1	93.8	44.1	93.8	0	0	0	0	0	91.1
16	25.8	27.9	19.9	23.7	19.9	23.7	0	0	0	0	0	27.9
17	95.1	98.8	66.5	93	66.7	93.1	0	0	0	0	0	98.8
18	91.2	99.7	91.2	99.7	91.2	99.7	18.1	25	0	0	0	61.2
19	48.3	51.4	39.7	46.9	39.7	46.9	48.3	51.4	0	0	0	0
20	0	0	0	0	0	0	0	0	0	0	0	0
21	0	0	0	0	0	0	0	0	0	0	0	0
22	31	31	8.7	12.2	12.2	12.2	0	0	0	0	0	0
23	52.2	52.8	52.2	52.8	52.2	52.8	0	0	0	0	0	0
24	61.3	100	36.7	36.7	36.7	36.7	0	0	0	0	0	0
25	100	100	0	0	0	0	0	0	0	0	0	0
26	85.8	56.5	33.1	33.1	33.1	33.1	0	0	0	0	0	0
27	66	56.6	66	56.6	66	56.6	0	0	0	0	0	0
28	47.4	100	47.4	100	47.4	100	0	0	0	0	0	0
29	99.9	99.9	99.9	99.9	99.9	99.9	0	0	0	0	0	0
30	99.7	99.7	99.7	99.7	99.7	99.7	13.8	14	0	0	0	0
31	100	100	96.9	90.7	96.9	90.7	100	100	0	0	0	0
Avg	75.8	80.9	66.3	71.5	66.5	71.5	16.1	41.4	0	0	0.2	16
n	31	31	31	31	31	31	31	31	31	31	31	31
SD	30	30.5	34.5	35.7	34.3	35.7	31.8	44.8	0	0	1.3	33.3
Min	0	0	0	0	0	0	0	0	0	0	0	0
Max	100	100	100	100	100	100	100	100	0	0	7.6	100

Table F11. Airflow and emission data completeness (%) at site IN2H for January, 2009.

Day	Airflow		Ammonia		Hydrogen		PM_{10}		$PM_{2.5}$		TSP	
	H6	H7	H6	H7	H6	H7	H6	H7	H6	H7	H6	H7
1	99.8	99.9	99.8	99.9	76.9	99.9	99.8	99.9	0	0	0	0
2	100	100	100	100	100	100	100	100	0	0	0	0
3	99.8	100	99.8	100	99.8	100	99.8	100	0	0	0	0
4	100	100	100	100	100	100	100	100	0	0	0	0
5	100	100	100	100	100	100	72.6	100	0	0	0	0
6	99.3	99.8	99.3	99.8	99.3	99.8	0	99.8	0	0	0	0
7	100	100	100	100	63.3	57	0	100	0	0	0	0
8	100	100	100	100	0	0	0	100	0	0	0	0
9	99.5	100	99.5	100	0	0	0	94.2	0	0	0	0
10	99.7	100	99.7	100	0	0	0	100	0	0	0	0
11	100	100	100	100	0	0	0	100	0	0	0	0
12	100	100	100	100	0	0	0	100	0	0	0	0
13	100	100	100	100	0	0	0	100	0	0	0	0
14	97.4	99.8	97.4	99.8	0	0	0	92.7	0	0	0	0
15	82.4	72.4	71.7	72.4	0	0	0	72.4	0	0	0	0
16	0	0	0	0	0	0	0	0	0	0	0	0
17	0	0	0	0	0	0	0	0	0	0	0	0
18	51.2	0	34.8	0	0	0	0	0	0	0	0	0
19	100	0	100	0	0	0	0	0	0	0	0	0
20	99.9	0	99.9	0	0	0	0	0	0	0	0	0
21	100	0	100	0	0	0	0	0	0	0	0	0
22	100	0	100	0	0	0	0	0	0	0	0	0
23	98.5	51.9	98.5	51.9	0	0	0	29.8	0	0	0	0
24	100	36.3	100	36.3	0	0	0	36.3	0	0	0	0
25	100	0	100	0	0	0	0	0	0	0	0	0
26	100	0	100	0	0	0	0	0	0	0	0	0
27	100	15.1	100	15.1	0	0	0	15.1	0	0	0	0
28	100	100	100	100	0	0	0	100	0	0	0	0
29	100	44.9	74.5	44.9	0	0	0	44.9	0	0	0	0
30	95.4	0	48.1	0	0	0	0	0	0	0	0	0
31	90.1	27.9	90.1	27.9	0	0	0	0	0	0	0	0
Avg	90.7	56.4	87.5	56.4	20.6	21.2	15.2	54.4	0	0	0	0
n	31	31	31	31	31	31	31	31	31	31	31	31
SD	25.5	45.3	27.6	45.3	38.8	39.9	35	46	0	0	0	0
Min	0	0	0	0	0	0	0	0	0	0	0	0
Max	100	100	100	100	100	100	100	100	0	0	0	0

Table F11. Airflow and emission data completeness (%) at site IN2H for February, 2009.

Day	Airflow		Ammonia		Hydrogen		PM_{10}		$PM_{2.5}$		TSP	
	H6	H7	H6	H7	H6	H7	H6	H7	H6	H7	H6	H7
1	99.9	99.9	99.9	99.9	0	0	0	0	0	0	0	0
2	100	100	100	100	0	0	0	0	0	0	0	0
3	100	100	100	100	0	0	0	0	0	0	0	0
4	100	100	100	100	0	0	0	0	0	0	0	0
5	99.6	7.2	99.6	7.2	0	0	0	0	0	0	0	0
6	99.7	39.2	99.7	39.2	0	0	0	0	0	0	31.7	36.3
7	100	100	100	100	0	0	0	0	0	0	98.4	97.6
8	100	100	100	100	0	0	0	0	0	0	97.9	98.3
9	100	100	100	100	0	0	0	0	0	0	99.9	100
10	100	100	100	100	0	0	0	0	0	0	100	98.7
11	100	53.5	100	53.5	0	0	0	0	0	0	98.5	53.5
12	99.4	75.6	99.4	75.6	9	9	0	0	0	0	99.4	0
13	100	100	100	100	100	100	0	0	0	0	54.2	0
14	100	100	100	100	100	100	0	0	0	0	0	0
15	100	100	100	100	100	100	0	0	0	0	0	0
16	100	100	100	100	100	100	0	0	0	0	0	0
17	100	100	100	100	100	100	0	0	0	0	0	0
18	99.9	99.9	99.9	99.9	99.9	99.9	0	0	0	0	0	0
19	100	100	100	100	100	100	0	0	0	0	0	0
20	100	100	100	100	100	100	0	0	0	0	0	0
21	100	100	100	100	100	100	0	0	0	0	0	0
22	100	100	100	100	100	100	0	0	0	0	0	0
23	100	100	100	100	100	100	0	0	0	0	0	0
24	100	100	100	100	100	100	0	0	0	0	0	0
25	100	100	100	100	100	100	0	0	0	0	0	0
26	99.5	99.5	99.5	99.5	99.5	99.5	0	0	31	0	0	0
27	100	100	100	100	100	100	0	0	100	0	0	0
28	100	100	100	100	100	100	0	0	100	0	0	0
Avg	99.9	92	99.9	92	57.4	57.4	0	0	8.3	0	24.3	17.3
n	28	28	28	28	28	28	28	28	28	28	28	28
SD	0.2	21.8	0.2	21.8	49.1	49.1	0	0	26.1	0	40.6	35.2
Min	99.4	7.2	99.4	7.2	0	0	0	0	0	0	0	0
Max	100	100	100	100	100	100	0	0	100	0	100	100

Table F11. Airflow and emission data completeness (%) at site IN2H for March, 2009.

Day	Airflow		Ammonia		Hydrogen		PM_{10}		$PM_{2.5}$		TSP	
	H6	H7	H6	H7	H6	H7	H6	H7	H6	H7	H6	H7
1	99.4	99.4	99.4	99.4	99.4	99.4	0	0	99.4	0	0	0
2	100	100	100	100	100	100	0	0	100	0	0	0
3	100	100	100	100	100	100	0	0	100	0	0	0
4	100	100	100	100	100	100	0	0	92.2	24.4	0	0
5	100	100	100	100	100	100	0	0	61.9	62.5	0	0
6	99.4	99.4	99.4	99.4	99.4	99.4	46.8	99.4	15.4	68	0	0
7	99.9	100	99.9	100	99.9	100	99.9	100	0	0	0	0
8	99.7	100	100	100	100	100	99.7	100	0	0	0	0
9	100	100	100	100	100	100	100	100	0	0	0	0
10	99.9	99.9	99.9	99.9	29.1	29.1	99.9	99.9	0	0	0	0
11	100	100	100	100	99.9	99.9	100	100	0	0	0	0
12	99.4	99.4	99.4	99.4	99.4	99.4	41.4	91.5	0	0	0	0
13	100	100	100	100	100	100	0	100	0	0	0	0
14	100	100	100	100	100	100	0	100	0	0	0	0
15	100	100	100	100	100	100	0	100	0	0	0	0
16	100	100	100	100	100	100	0	100	0	0	0	0
17	100	100	100	100	100	100	0	100	0	0	0	0
18	100	100	65.3	73.7	65.5	73.8	24	86.6	0	0	0	0
19	98.3	100	98.3	100	98.3	100	98.3	100	0	0	0	0
20	98.5	98.5	98.5	76.7	98.5	76.8	98.5	98.5	0	0	0	0
21	100	100	100	100	100	100	100	100	0	0	0	0
22	89.6	89.6	83.4	50.1	83.5	82.3	89.6	89.6	0	0	0	0
23	97.6	99.9	97.6	99.9	97.6	99.9	97.6	99.9	0	0	0	0
24	99.5	100	99.5	100	99.5	100	99.3	100	0	0	0	0
25	100	100	100	100	100	100	100	100	0	0	0	0
26	99.9	99.9	98.5	94.3	99.9	99.9	96.4	95.3	0	0	0	0
27	98.8	99.2	60.8	30.5	98.8	99.2	92.6	89.7	0	0	0	0
28	100	100	100	100	100	100	100	98.1	0	0	0	0
29	100	100	100	100	100	100	100	20.8	0	0	0	0
30	100	100	100	100	100	100	100	28.9	0	0	0	0
31	99.9	100	99.9	100	99.9	100	99.9	99.3	0	0	0	0
Avg	99.3	99.5	96.8	94.3	95.8	95.5	63.7	80.1	15.1	5	0	0
n	31	31	31	31	31	31	31	31	31	31	31	31
SD	1.9	1.8	9.3	15.6	13.9	13.8	43.3	34.4	33.8	16.4	0	0
Min	89.6	89.6	60.8	30.5	29.1	29.1	0	0	0	0	0	0
Max	100	100	100	100	100	100	100	100	100	68	0	0

Table F11. Airflow and emission data completeness (%) at site IN2H for April, 2009.

Day	Airflow		Ammonia		Hydrogen		PM_{10}		$PM_{2.5}$		TSP	
	H6	H7	H6	H7	H6	H7	H6	H7	H6	H7	H6	H7
1	100	100	100	100	100	100	94.7	69.7	0	0	0	0
2	73.5	100	73.5	100	73.5	100	73.5	100	0	0	0	0
3	90.3	93.3	90.3	93.3	90.3	93.3	90.3	93.3	0	0	0	0
4	96	99.7	96	99.7	96	99.7	96	99.7	0	0	0	0
5	31.1	100	31.1	100	31.1	100	31.1	100	0	0	0	0
6	73.8	100	73.8	100	73.8	100	73.8	100	0	0	0	0
7	99.5	100	99.5	100	99.5	100	99.5	99.3	0	0	0	0
8	100	100	100	100	100	100	100	100	0	0	0	0
9	100	100	100	73.7	100	73.8	67.9	67.9	0	0	25.6	25.6
10	96	100	96	100	96	100	0	0	0	0	96	98
11	100	100	100	100	100	100	0	0	0	0	100	100
12	100	100	100	100	100	100	0	0	0	0	100	99.4
13	98.8	100	98.8	100	98.8	100	0	0	0	0	98.8	98.3
14	99.8	100	99.8	100	99.8	100	0	0	0	0	99.8	100
15	100	100	100	100	69.3	69.3	0	0	0	0	100	85.4
16	100	100	100	100	100	100	25	25	0	0	53.2	0
17	99.2	99.2	87.7	64.7	99.2	72.2	98.1	96.4	0	0	0	0
18	100	100	0	0	100	100	100	100	0	0	0	0
19	100	100	24.8	29	100	100	100	100	0	0	0	0
20	100	100	100	100	100	100	100	100	0	0	0	0
21	100	100	100	100	100	100	100	100	0	0	0	0
22	100	100	100	100	100	100	100	98.7	0	0	0	0
23	100	100	71.7	100	71.9	100	89.9	89	0	0	0	0
24	100	100	37.1	37.1	100	100	100	100	0	0	0	0
25	100	100	0	0	100	100	100	100	0	0	0	0
26	100	100	0	0	100	100	100	100	0	0	0	0
27	100	100	0	0	100	100	100	100	0	0	0	0
28	100	100	0	0	100	100	98.3	98.3	0	0	0	0
29	100	100	0	0	100	100	100	99.8	0	0	0	0
30	63.5	63.5	0	0	59.4	57.4	63.5	63.5	0	0	0	0
Avg	94.1	98.5	66	69.9	92	95.5	70.1	73.4	0	0	22.4	20.2
n	30	30	30	30	30	30	30	30	30	30	30	30
SD	14.8	6.6	41.7	42.4	16	11.1	39.8	39.9	0	0	39.7	38.7
Min	31.1	63.5	0	0	31.1	57.4	0	0	0	0	0	0
Max	100	100	100	100	100	100	100	100	0	0	100	100

Table F11. Airflow and emission data completeness (%) at site IN2H for May, 2009.

Day	Airflow		Ammonia		Hydrogen		PM_{10}		$PM_{2.5}$		TSP	
	H6	H7	H6	H7	H6	H7	H6	H7	H6	H7	H6	H7
1	100	100	90.5	90.5	97.5	93.3	100	100	0	0	0	0
2	54.7	54.7	50.2	45.3	50.2	45.3	54.7	54.7	0	0	0	0
3	0	0	0	0	0	0	0	0	0	0	0	0
4	0	0	0	0	0	0	0	0	0	0	0	0
5	13.3	13.3	0	0	0	0	13.3	13.3	0	0	0	0
6	100	100	12.3	12.3	95.6	95.6	100	100	0	0	0	0
7	95.6	95.6	95.6	95.6	95.6	95.6	87.4	86.8	0	0	0	0
8	100	100	100	100	100	100	100	100	0	0	0	0
9	100	100	100	100	100	100	100	100	0	0	0	0
10	100	100	100	100	100	100	100	100	0	0	0	0
11	99.7	99.8	99.7	99.8	99.7	99.8	99.7	99.8	0	0	0	0
12	100	100	100	100	100	100	100	100	0	0	0	0
13	99.8	99.8	79	76.9	55.3	54	88.5	88.6	0	0	0	0
14	100	100	100	100	15.5	15.5	100	99.6	0	0	0	0
15	63	94.3	63	94.3	38.5	69.8	63	94.3	0	0	0	0
16	0	100	0	100	0	100	0	100	0	0	0	0
17	0	99.4	0	99.4	0	99.4	0	99.4	0	0	0	0
18	0	100	0	100	0	100	0	100	0	0	0	0
19	69	100	47.8	82.9	69	100	69	100	0	0	0	0
20	100	100	48.4	44.2	100	100	96.7	100	0	0	0	0
21	100	100	100	100	100	100	96.5	94.8	0	0	0	0
22	99.8	99.8	61.9	59.2	99.8	99.8	99.8	99.8	0	0	0	0
23	100	100	0	0	100	100	100	100	0	0	0	0
24	100	100	0	0	100	100	100	100	0	0	0	0
25	100	100	0	0	100	100	100	100	0	0	0	0
26	99.9	99.9	0	0	99.9	99.9	99.8	99.1	0	0	0	0
27	100	100	0.7	0	100	100	92	67.9	0	0	0	0
28	99.9	99.9	0	0	99.9	99.9	99.9	47.7	0	0	0	0
29	99.4	99.4	0	0	99.4	99.4	99.4	99.4	0	0	0	0
30	100	100	0	0	100	100	100	100	0	0	0	0
31	100	100	0	0	100	100	100	100	0	0	0	0
Avg	77.2	88.9	40.3	51.6	71.5	82.8	76.1	85.3	0	0	0	0
n	31	31	31	31	31	31	31	31	31	31	31	31
SD	38.5	28.8	43.4	45.4	40.6	33.2	37.9	29.5	0	0	0	0
Min	0	0	0	0	0	0	0	0	0	0	0	0
Max	100	100	100	100	100	100	100	100	0	0	0	0