

Environmental Air Quality Test Results

PM- 10

Nano-Z Coating LTD.

Na'an Waste Disposale Site

Number of Test Report: NNO100

Site Address:

Na'an Waste Disposale Site

Date of Sampling:

18-22/8/19

To the request of:

Nano-Z Coating LTD.

Date of Report:

02/09/2019

Report Editor: Emen Brody-Gal

Report Approval: Oz Amit




Page remains empty on perpose

1. General:

Sampling was preformed to the request of Nano-Z Coating LTD.

2. Objective:

Receiving data regarding to total suspended particulate matter PM-10.

3. Sampling Methods:

Sampling methods are preformed according to the US Environmental Protection Agency (USEPA) and others as needed. All methods are acceptable by the Israeli Ministry of Environment Protection. All equipment was calibrated prior to sampling.

All testing was preformed by AirLab Air Testing LTD. Methods conducted under ISO-17025 are marked " * ".

Analysis was carried by AirLab Air Testing LTD according to ISO-17025.

Sampling of Total Suspended Particulate Matter (TSP) PM-10 IO-2.1*:

PM-10 sampling was conducted on a method appointed glass filter with a divided end. Particle amount was determined by gravimetric analysis at AirLab Air Testing LTD.

Sampling device: High Q HVS device with volumetric flow rate control. Sampling device was calibrated prior to sampling.

4. Location:

Sampling duration: 24 Hours
Number of Points: 2
Series: 1

Location of sampling points was selected by team sampling lead and according to facility representative.

#	Location	Coordinate (ITM)	
1	Point A	188971	642780
2	Point B	188969	642778

Map of points locations and photos of sampling points in following attachments.

Meteorology:

During the sampling meteorological data was observed. Data was taken from "Hulda 10" station.

Notes for sampling:

No unusual notes.

Results reported relate only to the items tested, sampling locations and time and to the environmental conditions presents at that time.

This report can only be used in it's full.

The use of ISRAC symbol relates to tests/calibrations which are included in the organization scope of accreditation, and performed according "to the accreditation rules as detailed in the accreditation certificate

ISRAC is not responsible for the results of the tests performed by the organization/ research facility and accreditation/ recognition does not "constitute a certificate of approval of any item, system or process tested

Sampling Points Map:



Results Summery

24 Hour PM-10 Sampling Results:

Nano-Z Coating LTD. – Na'an Waste Disposal Site

18-22/8/19

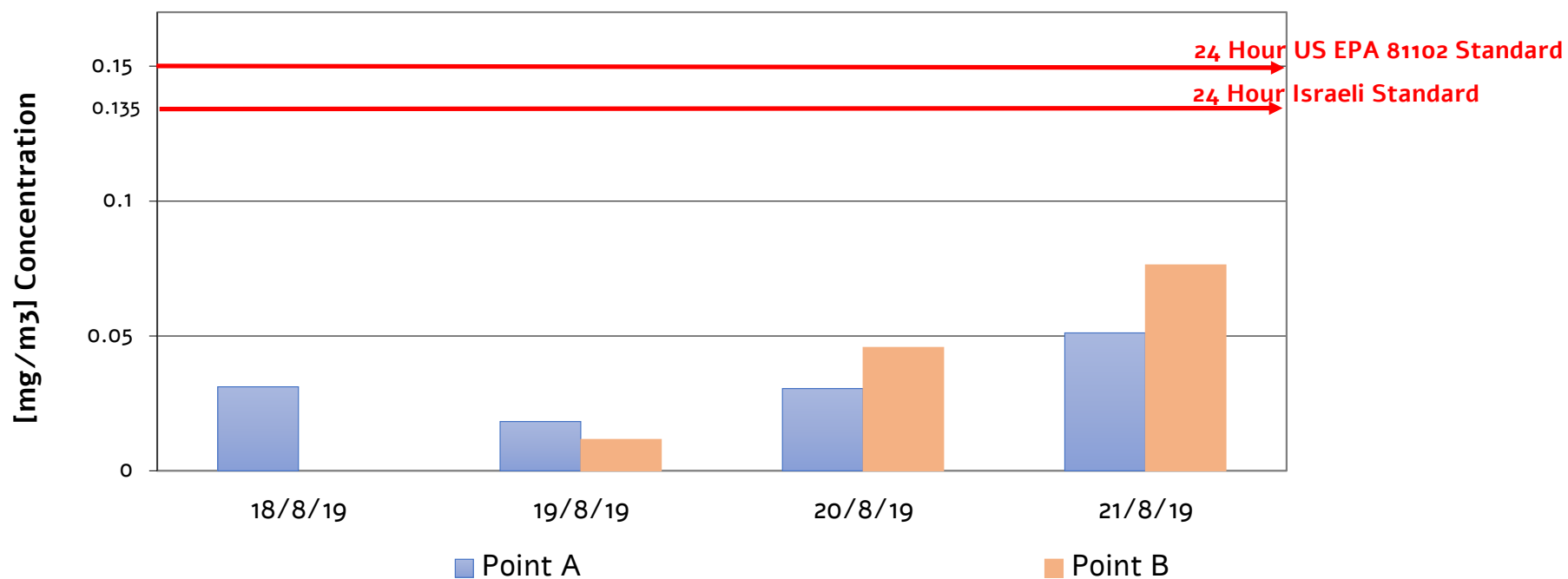
TSP Concentration mg/m ³	Total Air in Sample scf	Sampling Time min	Sampling Duration Hr	HVS Volumetric Flow Rate scfm	Weight Gained gr	Filter Weight After gr	Filter weight Before gr	Filter Number	Test Number	Starting Time	HVS Number	Date	Location
0.031	57600	1440	24	40	0.05	2.8327	2.7819	H10440	1	17:00	H10	18/8/19	Point A
0.018	57600	1440	24	40	0.03	2.8018	2.7720	H10439	2	19:00	H10	19/8/19	Point A
0.030	52800	1320	22	40	0.05	2.8191	2.7735	H10492	3	17:00	H10	20/8/19	Point A
0.051	57600	1440	24	40	0.08	2.8655	2.7821	H10482	4	17:00	H10	21/8/19	Point A
0.012	57600	1440	24	40	0.02	2.7566	2.7376	H10431	2	19:00	H3	19/8/19	Point B
0.046	52800	1320	22	40	0.07	2.8618	2.7934	H10493	3	17:00	H3	20/8/19	Point B
0.076	57600	1440	24	40	0.12	2.9145	2.7899	H10481	4	17:00	H3	21/8/19	Point B

Point A bedding thickness: 2.5 cm

Point B bedding thickness: 5 cm

24 Hour PM₁₀ Sampling Results

Nano-Z Coating LTD. – Na'an Waste Disposal Site
18–22/8/19

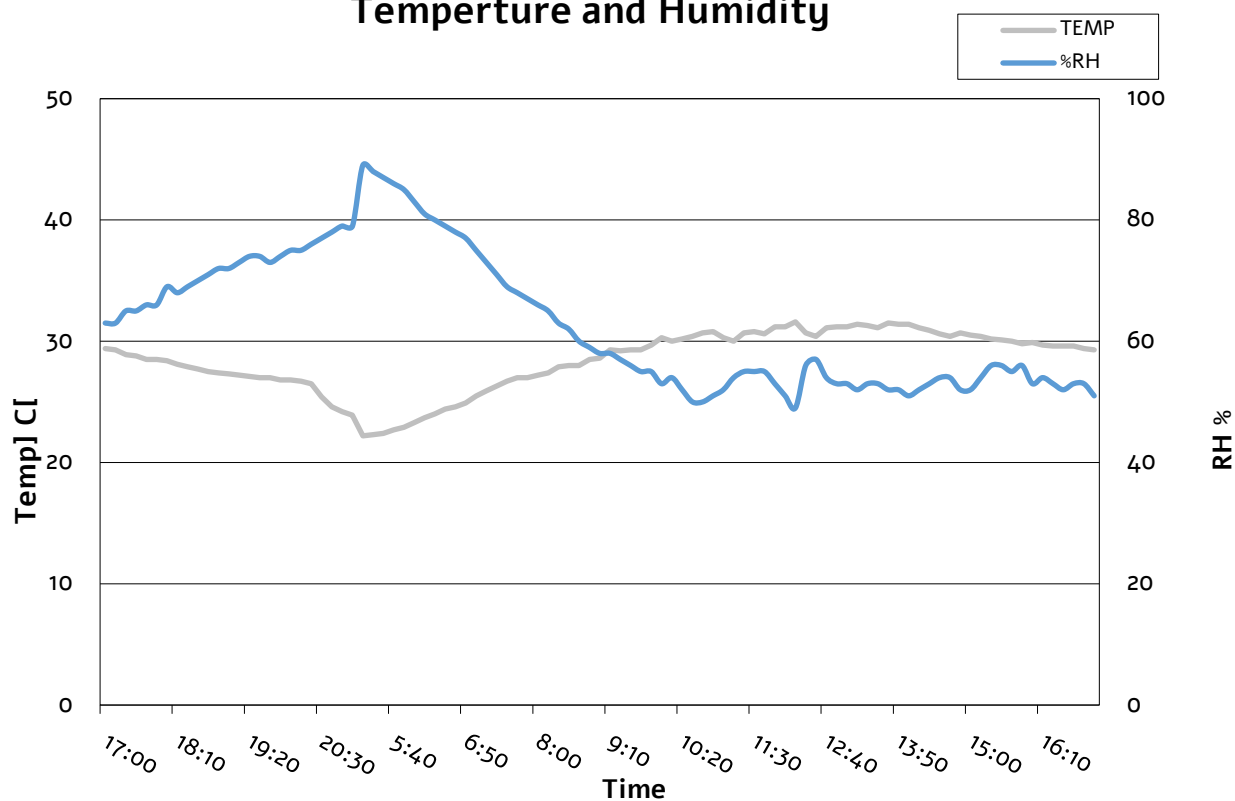


Meteorology

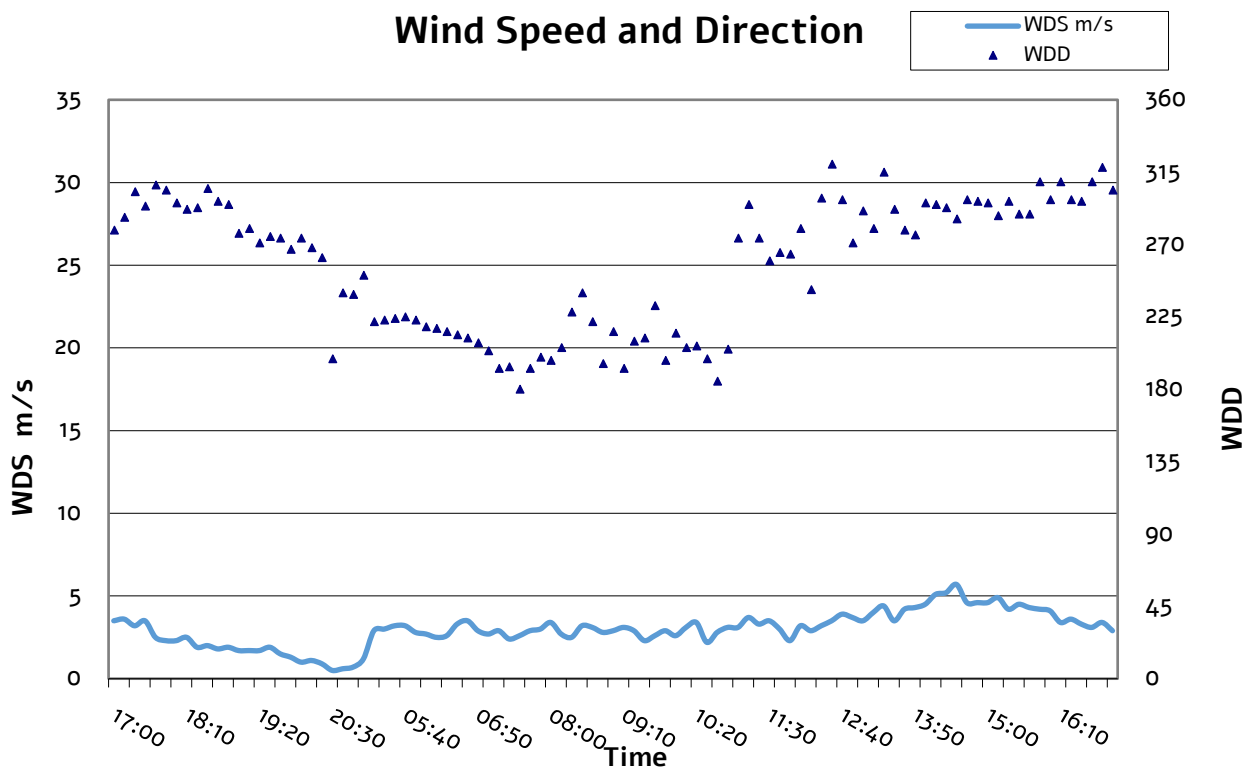
Meteorology

19/8/2019 – 18/8/2019

Temperture and Humidity



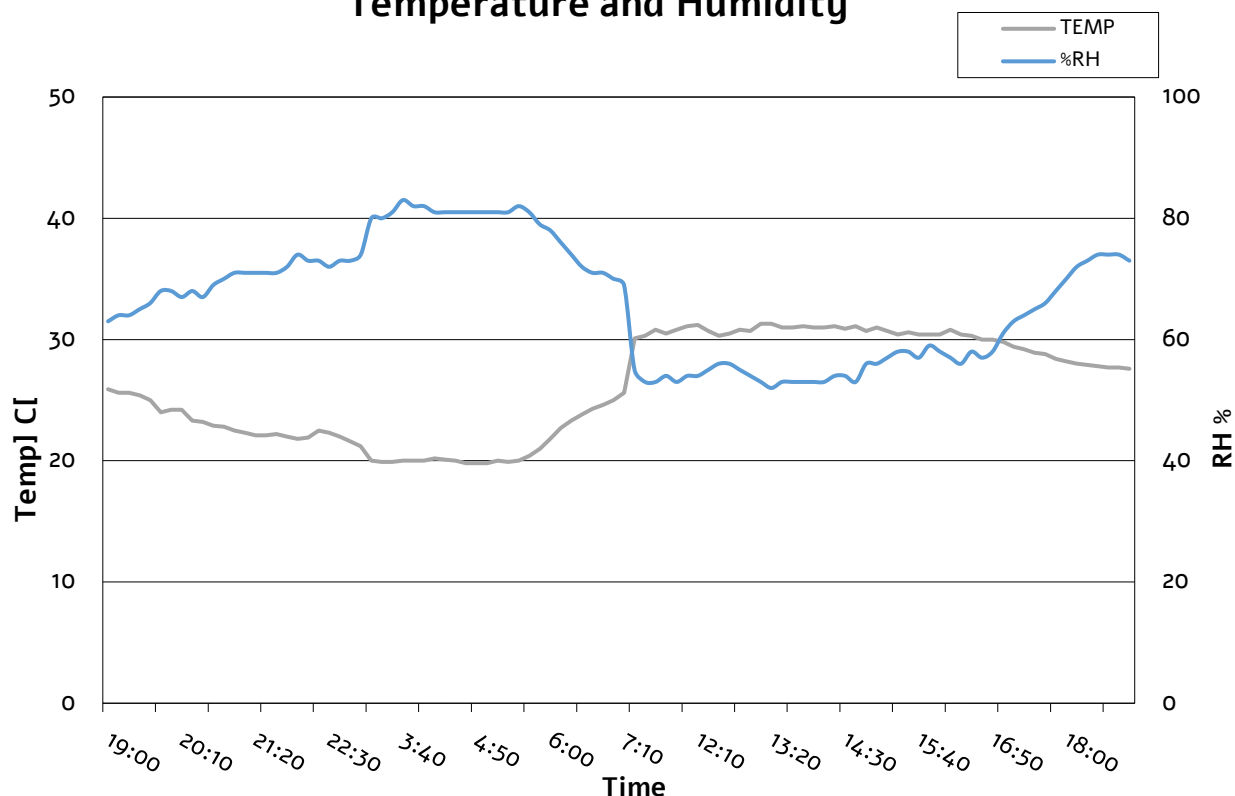
Wind Speed and Direction



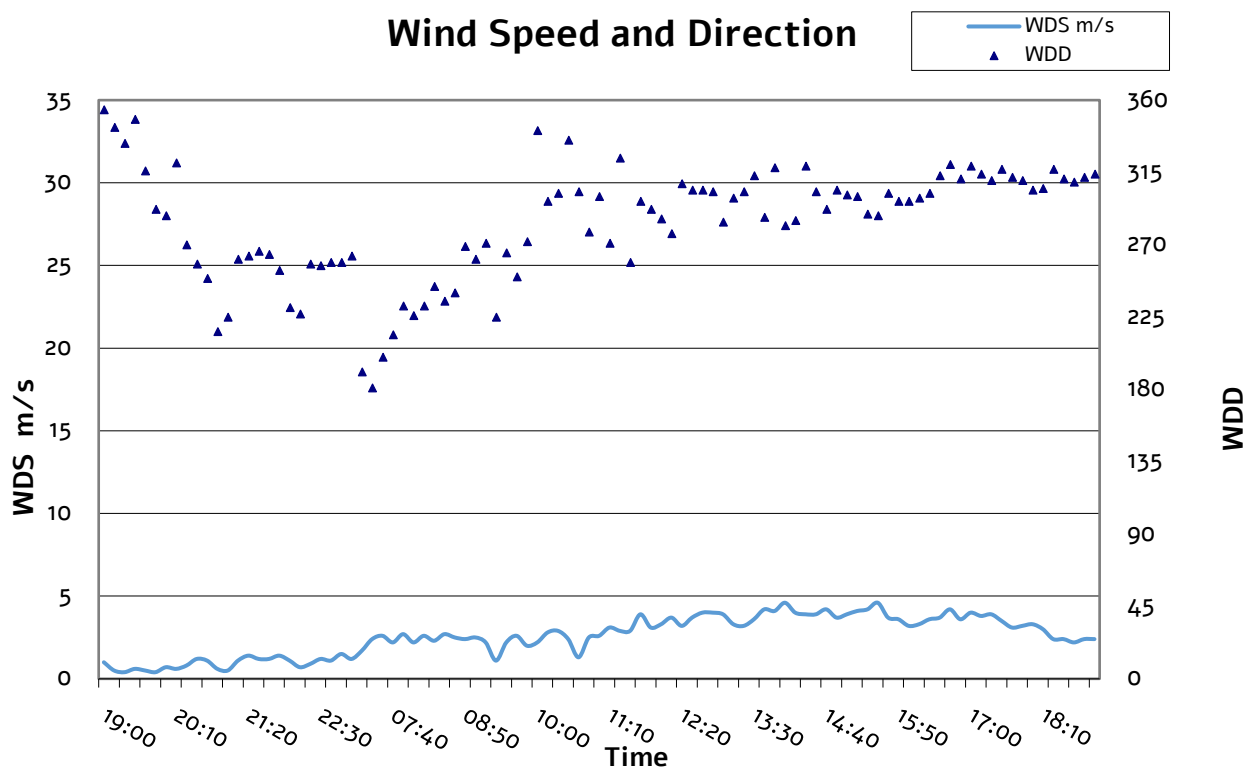
Meteorology

20/8/2019 – 19/8/2019

Temperature and Humidity



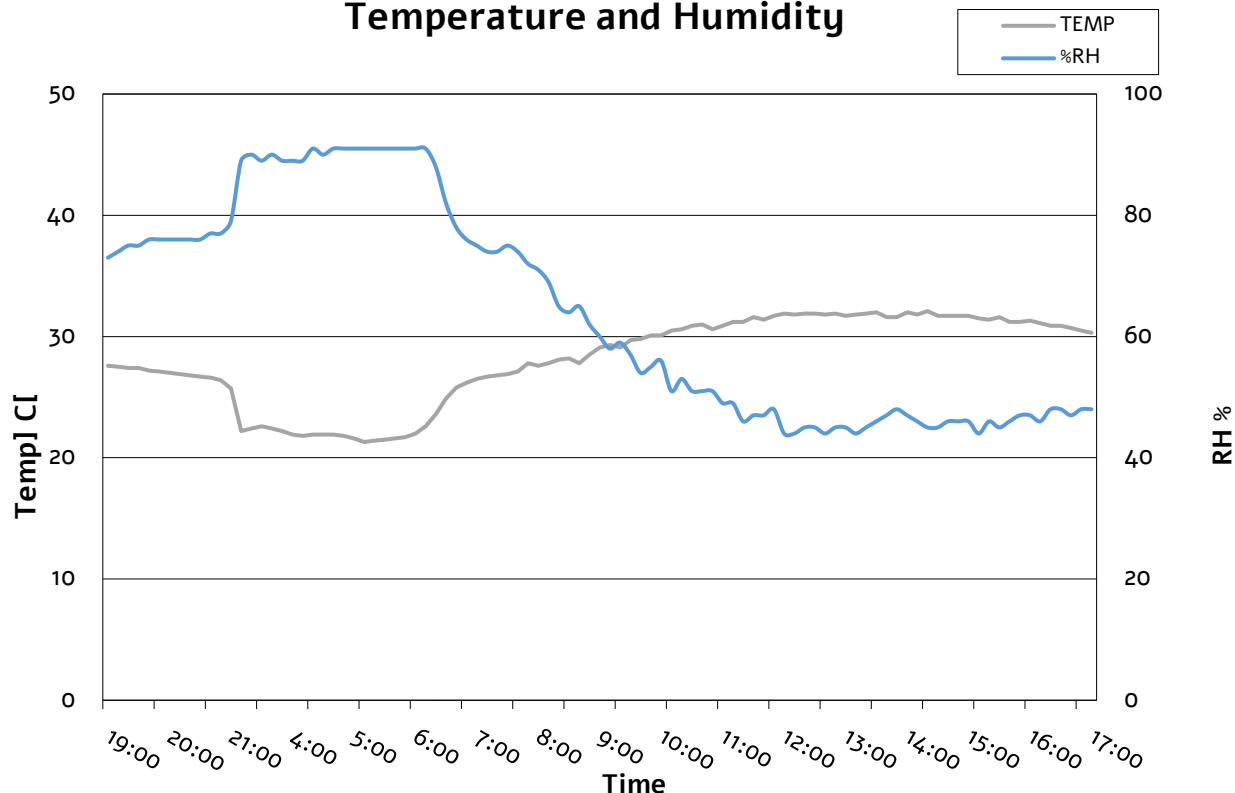
Wind Speed and Direction



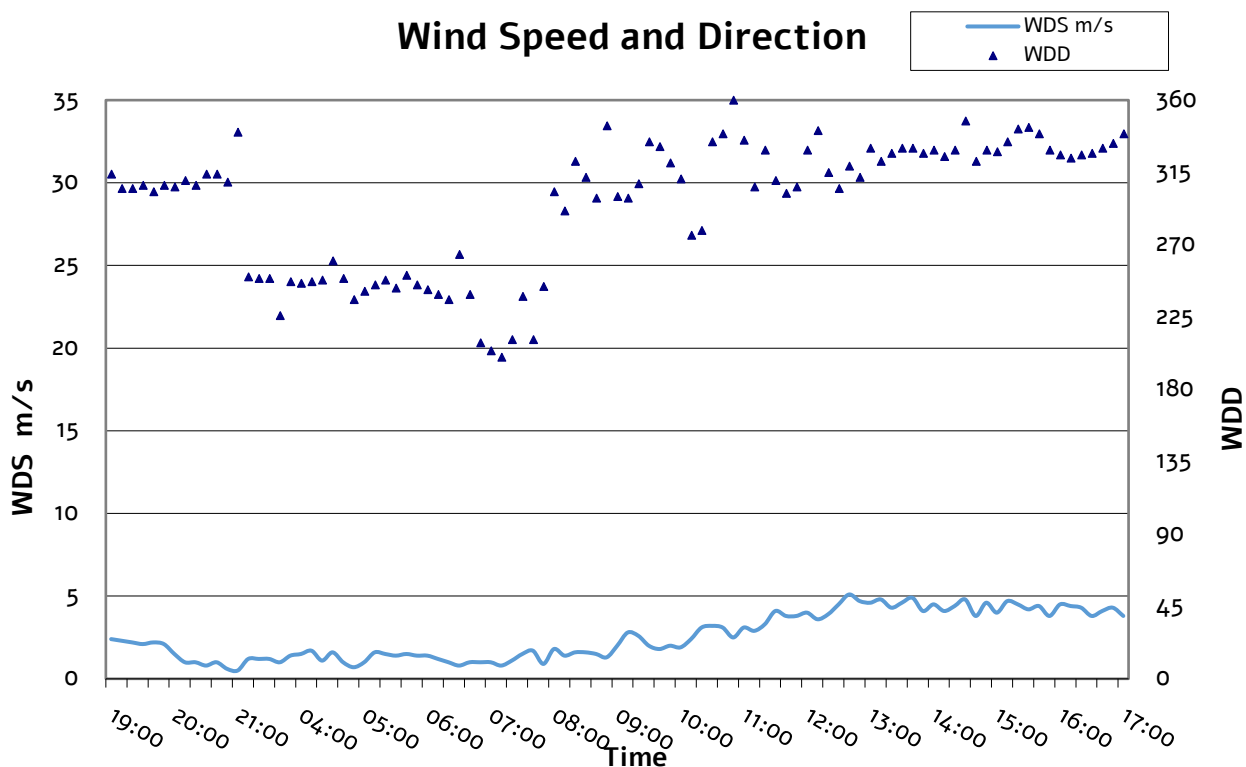
Meteorology

20/08/2019–21/08/2019

Temperature and Humidity

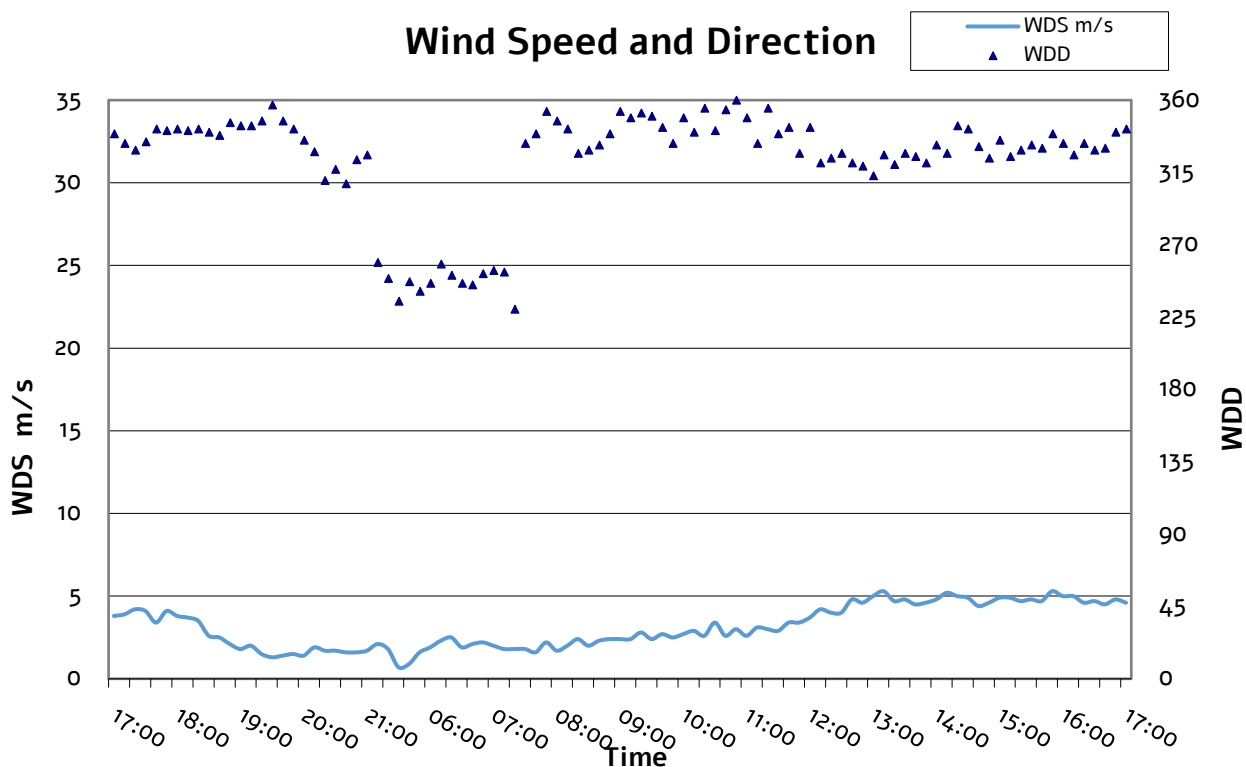
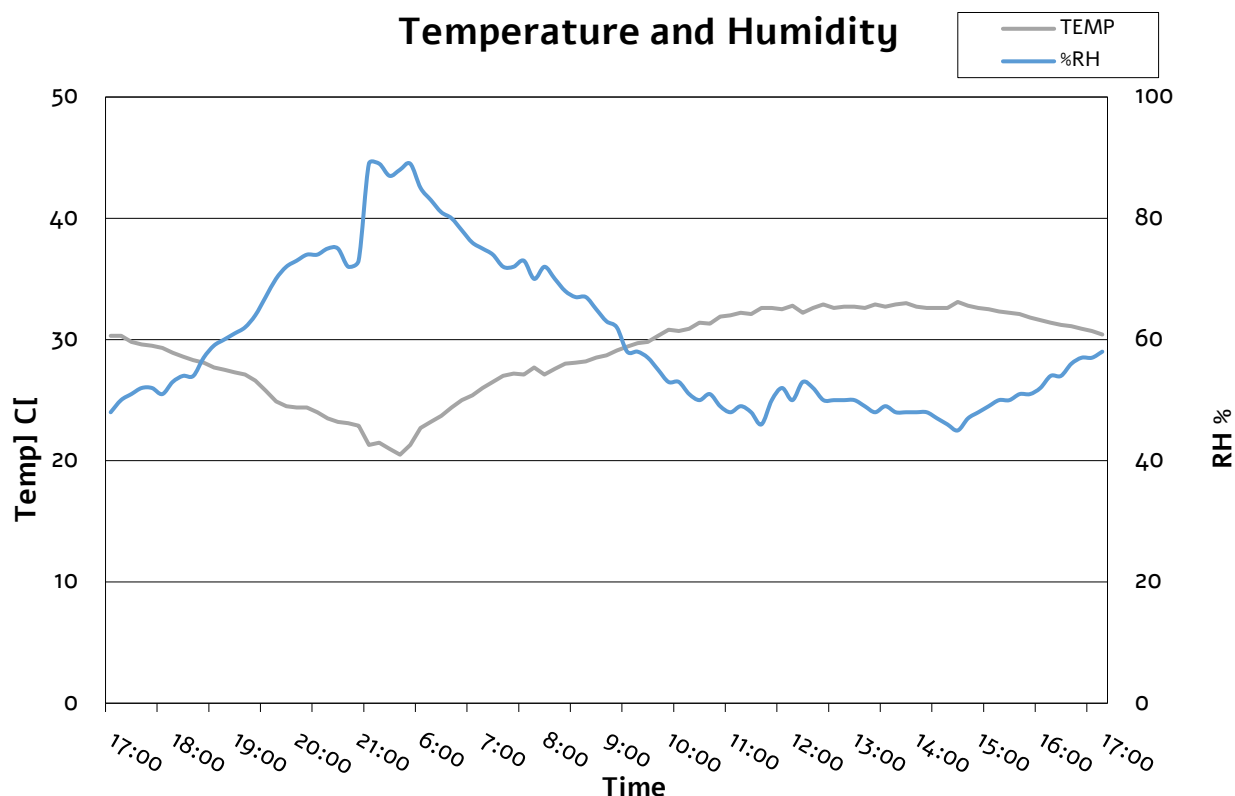


Wind Speed and Direction



Meteorology

21/08/2019–22/08/2019



Attachments

Attachment 1– Photos:

Point A:



Point B:



Day 1-Experiment Outset:



Day 2 - Sand by the Road:



Day of Experiment + Sand by the Road:



End of Experiment:



End of Experiment- No Sand Piles:

