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ESTABLISHING A MONITORING STATION AND AMBIENT AIR SAMPLING

SUMMARY

The City Government of Paranaque in collaboration of Environmental Management Bureau – Department of Environment and Natural Resources (EMB – DENR) set an air monitoring station on the roadside Brgy. Don Bosco to determine the amount of Particulate Matter (PM) 2.5 and PM 10 present in the area. The City also set an air monitoring station in the Brgy. San Isidro to determine the Sulfur Oxide and Nitrogen Oxide present in the area. This monitoring station was set to know if the air quality in the area is still normal or it is failing to the standard set by the DENR.

The City Government of Paranaque in coordination with the DENR conducted an ambient air sampling in the city every quarter to determine and analyze the air sample in the area in terms of Sulfur Dioxide (SO₂), Nitrogen Dioxide (NO₂), Total Suspended Particulate (TSP), and PM₁₀ in three stations in Solaire, Macapagal Avenue. This Ambient Air Quality Sampling was done to know if the quality of air in the area is still acceptable to the standards set by the DENR and if not there should be an action to mitigate and stop the anthropogenic disturbances that are triggering the ambient air sample to fail to the standards set by DENR.

Supporting Documents and Memorandum of Agreements

MEMORANDUM OF AGREEMENT

KNOW ALL MEN BY THESE PRESENTS:

This Memorandum of Agreement entered into by and between:

The **DEPARTMENT OF ENVIRONMENT AND NATURAL RESOURCES- ENVIRONMENTAL MANAGEMENT BUREAU-National Capital Region**, a government agency organized by and existing under the laws of the Republic of the Philippines represented in this agreement by **ENGR. VIZMINDA A. OSORIO, OIC-Regional Director**, with Office address at National Ecological Center, East Avenue, Quezon City hereinafter referred as the "**FIRST PARTY**".

-and-

The **CITY GOVERNMENT OF PARAÑAQUE**, a local government agency organized by and existing under the laws of the Republic of the Philippines, represented in the Agreement by its local Chief Executive, **MAYOR EDWIN L. OLIVAREZ**, hereinafter referred to as "**SECOND PARTY**".

WITNESSETH:

WHEREAS, the **FIRST PARTY** is primarily tasked for the prevention, control and abatement of all kinds of air pollution in the National Capital Region pursuant to Republic Act 8749, otherwise known as the Philippine Clean Air Act 1999.

WHEREAS, the **FIRST PARTY** as part of its mandate and authority, shall coordinate with private sector, non government organizations, civic organizations, the local government units, and other government agencies and bureaus, with the dissemination of information related to air quality management in the National Capital Region;

WHEREAS, the Barangay San Dionisio along Dr. Arcadio Santos Avenue is a suitable site for air quality monitoring activities;

WHEREFORE, the following shall be the role and responsibilities of the contracting parties:

The First Party shall

1. Conduct inspection of the monitoring station situated at the Barangay San Dionisio;
2. Share data of monitoring station with the **SECOND PARTY**;
3. Orient the personnel of the **SECOND PARTY** through its City Environment and Natural Resources Office (CENRO) on the operations of the real-time ambient air quality monitoring system and provide the personnel access to the monitoring systems with the representative of **FIRST PARTY**;
4. Ensure the connection of the monitoring station with the telemetry system and/or with the internet;
5. Shoulder the installation and maintenance costs of the station; and
6. Shoulder the cost of relocation of the station, in case the **SECOND PARTY** requires **FIRST PARTY** to relocate the monitoring station.

OSORIO

OLIVAREZ

[Signature]

The Second Party shall:

1. Provide -space of at least ten (10) square meter area where the ambient air quality monitoring station will be installed;
2. Allow **FIRST PARTY** to install/construct the Ambient air quality monitoring station and its accessories as well as operate and the maintain the same within the said space, free of charge for the duration of the project;
3. Shoulder the monthly electrical consumption of the station;
4. Security of the station;
5. Allow entry of authorized representatives of **FIRST PARTY**; and
6. Assign its CENRO Personnel as the focal partner in this project.

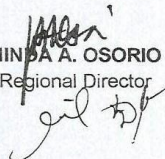
This Agreement shall take effect immediately and shall remain in full force for the period of five (5) years, subject to renewal upon mutual agreement of both parties.

This Agreement, even while in full force, shall be subject to periodic review by both parties for the sole purpose of updating the parameters affecting the objectives of the aforementioned project.

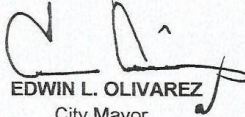
Any violation of the provisions stipulated herein shall be cause for suspension, termination or revocation of this Agreement.

IN WITNESS HEREOF, THE PARTIES hereto set their hands on this _____ day of 23 SEP 2015, 2015, MANILA CITY, Philippines.

EMB-NCR



VIZMIN A. OSORIO
OIC-Regional Director

(City Government of Parañaque)



EDWIN L. OLIVAREZ
City Mayor

WITNESSES:

For the First Party:


DIOSDADO C. DOCTOR
OIC, EME Division

For the Second Party:


Hon. PABLO R. OLIVAREZ M.D.,
Punong Barangay
San Dionisio Parañaque

ACKNOWLEDGEMENT


REPUBLIC OF THE PHILIPPINES)
QUEZON CITY MANILA CITY) S.S.

BEFORE ME, a Notary Public for and in the City of MANILA CITY this 23 SEP 2015 day of _____ 2015, personally came and appeared the following:

NAME	CTC NOS.	ISSUED ON & AT
VIZMINDA A. OSORIO	<u>CC1 2012 28410630</u>	<u>01-08-15</u>
EDWIN L. OLIVAREZ	_____	_____

Known to me to be the same persons who executed the foregoing instrument which they acknowledge before me as their free and voluntary act and deed.

IN WITNESS WHEREOF, I have hereto set my hand and affixed my notarial seal on the date, year, and place first above written.


~~Atty. ELMER N. DISTOR~~
NOTARY PUBLIC
 Until December 31, 2016
 REG. No. 40010
 IEP NO. 9740041, DEC. 17, 2014, Mia-3
 PTR NO. 8020000, JAN. 6, 2015, Mia
 MCLE No. 4-8018700, MAY 3, 2013
 CTC No. 27694633, JAN. 5, 2015, Mia

Doc. No. 452 :
Page No. 91 :
Book No. X :
Series of 2015.

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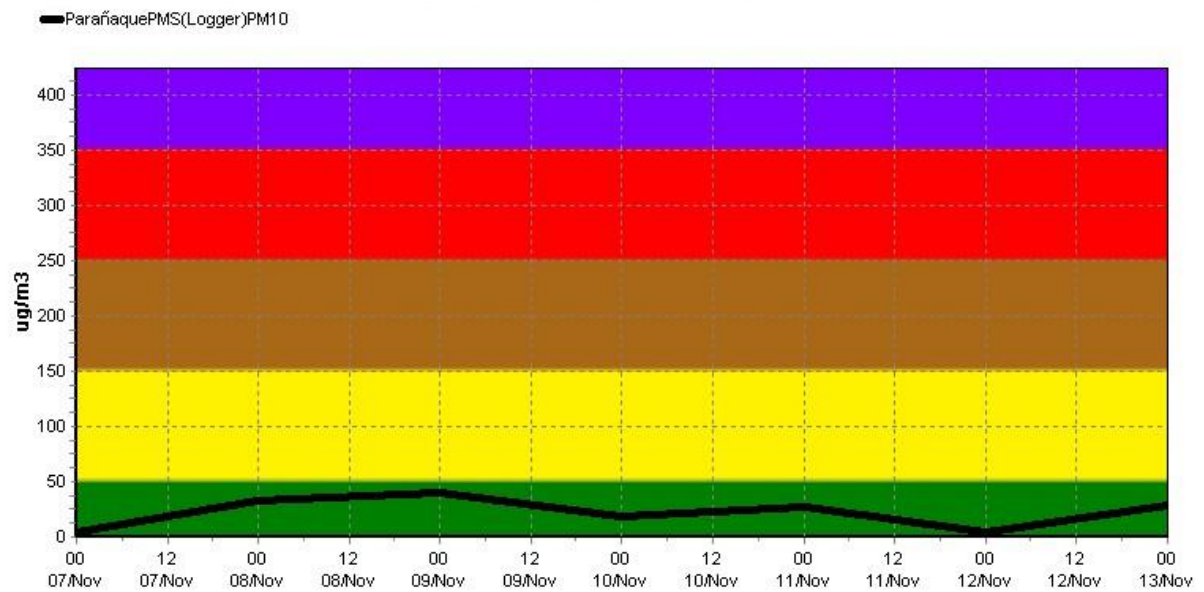
DOCUMENTATION:



Actual Ambient Air Quality Sampling in one of the stations in the sampling site.



AIR QUALITY MONITORING STATION IN THE ROADSIDE OF THE CITY
 Period: 11/7/2015 - 11/13/2015 Resolution: 1440 minutes





Friday 13 Nov 10:44

Parañaque	Minute	15 minutes	Hour	6 hours	24 hours
PM10 (µg/m ³)	19	28	38	36	17
PM2.5 (µg/m ³)	10	12	12	17	9
Rain (mm)	0	0	0	0	0
Wind Speed (m/s)	3	3	3	1	2
Wind Direction (°)	119 (ESE)	129 (SE)	109 (ESE)	122 (ESE)	96 (E)
Global Radiation (W/m ²)	771	784	661	3	-
Atm Pressure (hPa)	1007	1007	1008	1006	1007
Temperature (°C)	30	30	30	26	27
Relative Humidity (%)	-	-	-	-	-

THIS DATA SHOWS THE LATEST AIR MONITORING REPORT OF CITY AND IT APPEARS THAT THE AIR QUALITY IN THE CITY IS IN GOOD CONDITION.