



TAMIL NADU POLLUTION CONTROL BOARD

ADVANCED ENVIRONMENTAL LABORATORY, CHENNAI-32

From V. Thiagarajan, M.Sc., Assistant Director (Lab), Advanced Environmental Laboratory, Tamil Nadu Pollution Control Board, No.76, Mount Salai Guindy, Chennai-32	To ✓ M/s Momentive Performance Materials (I) Private Limited B-3, Sipcot Industrial Growth Centre, Oragadam, Sriperumbudur Tk Kancheepuram Dt Pin-602 105.
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Lr No.TNPCB/AEL/CHN/Air Survey/F.No 168/2017-18, Dated 18.12.2017

Sir,

Sub: TNPCB-AEL-Chennai-Furnishing of Report of Analysis of  
Ambient Air Quality/Stack Monitoring/Ambient Noise Level  
Survey – Reg.

Ref: Cash Receipt No.37352 dated 2.8.2017 for Rs 93,400/-

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I am sending herewith the Report of Analysis of Ambient Air Quality/Stack  
Monitoring/Ambient Noise Level Survey conducted in the vicinity of your industry  
M/s Momentive Performance Materials (I) Private Limited, Oragadam on 8.12.2017  
along with the Bill for Rs.93,400/-(Rupees Ninety Three Thousand Four Hundred  
only) towards the above survey/analysis charges.

V. Thiagarajan  
18/12/17  
Assistant Director (Lab),  
Advanced Environmental Laboratory,  
TNPC Board, Chennai.

Encl: As above

Copy submitted to The Deputy Director (Labs)-Air, TNPCB, Chennai – 32.  
Copy submitted to The District Environmental Engineer, TNPCB, Sriperumpudur.  
Copy to file.



**TAMIL NADU POLLUTION CONTROL BOARD**  
**ADVANCED ENVIRONMENTAL LABORATORY, CHENNAI**  
**AMBIENT AIR QUALITY SURVEY – REPORT OF ANALYSIS.**

Report F.No 168/AAQS/2017-2018, Dated 18.12.2017

1	Name of the Industry	M/s Momentive Performance Materials (I) Private Limited
2	Address of the Industry	B-3, Sipcot Industrial Growth Centre, Oragadam, Sriperumbudur Tk Kancheepuram Dt Pin-602 105.
3	Date of Survey	8.12.2017.
4	Duration of Survey	8 Hours
5	Category	Red- Large
6	Land use classification	Industrial

**Meteorological Conditions.**

Ambient Temperature (°C)	Min	Max	Relative Humidity(%)	Min	Max
	29	32		42	78
Weather condition	Clear		Rain Fall (mm)	Nil	
Predominant Wind Direction	SW – NE		Mean Wind Speed (Km/hr.)	3.59	

**Ambient Air Quality Survey Results**

Sl. No	Location	Direction *	Distance (m)*	Height from GL (m)	Pollutants Concentration (µg/m <sup>3</sup> )				TOTAL VOC In PPM
					PM <sub>10</sub>	PM <sub>2.5</sub>	SO <sub>2</sub>	NO <sub>2</sub>	
1	On top of the scaffolding near Fuel storage area	N	40	1.5	59	--	14	24	--
2	On top of the scaffolding near Fire Hydrant Pump House	NE	70	1.5	--	28	--	--	Not Detected
3	On top of the scaffolding near ETP	SE	50	1.5	46	--	10	18	Not Detected
4	On top of the scaffolding near Haz waste Storage area	S	40	1.5	--	20	--	--	--
5	On top of the scaffolding near ware house	SW	30	1.5	42	--	9	12	Not Detected
6	On top of the scaffolding near Admin Office	NW	60	1.5	40	--	10	16	Not Detected

Note:\* With respect to major emission sources.  
the analytical results are restricted to the sampling period of 8hrs/24 hrs

Test Performed	Test Method
PM <sub>10</sub>	IS 5182 (Part 23)-2006
PM <sub>2.5</sub>	IS 5182 (Part 23)-2006
SO <sub>2</sub>	IS 5182 (Part 2)-2001 RA:2012
NO <sub>2</sub>	IS 5182 (Part 6)-2006 RA:2012

Assistant Director (Lab),  
Advanced Environmental Laboratory,  
TNPC Board, Chennai



TAMIL NADU POLLUTION CONTROL BOARD

ADVANCED ENVIRONMENTAL LABORATORY, CHENNAI.

STACK MONITORING SURVEY – Report of Analysis.

Report F.No 168/SM/2017-2018, Dated 18.12.2017

1	Name of the Industry	M/s Momentive Performance Materials (I) Private Limited
2	Address of the Industry	B-3, Sipcot Industrial Growth Centre, Oragadam, Sriperumbudur Tk Kancheepuram Dt Pin-602 105.
3	Date of Survey	8.12.2017.
4	Type of Industry	Chemicals

Stack Monitoring Survey Results

Sl. No.	Stack attached to	Stack Temp °K	Velocity in (m/Sec)	Discharge rate in (m <sup>3</sup> /day)	Pollutants (mg/Nm <sup>3</sup> )		
					PM	SO <sub>2</sub>	NO <sub>x</sub>
1	Boiler-1.5 T/h	421	7.8	33702	42	12	105
2	DG Set-II 700 KVA	565	12.2	279313	68	28	252
3	DG Set-II 700 KVA	569	13.11	297968	72	26	248
4	Thermic Fluid Heater 55 Kg/hr	385	7.35	34727	12	5.0	146
5	Process specialty scrubber	303	--	--	--	<MDL	<MDL

<MDL indicates Less than Minimum Detectable Limit

Test Performed	Test Method
PM	IS 11255 (Part 1) 1985 Re affirmed in 2003.

*V. Thiagarajan*  
18-12-17

Assistant Director (Lab),  
Advanced Environmental Laboratory,  
TNPC Board, Chennai.



**TAMIL NADU POLLUTION CONTROL BOARD**  
**ADVANCED ENVIRONMENTAL LABORATORY, CHENNAI.**

**AMBIENT/SOURCE NOISE LEVEL SURVEY – Report of Anlysis.**  
**Report No. F.No 168/NLS / 2017 – 18, Dated 18.12.2017.**

1	Name of the Industry	M/s Momentive Performance Materials (I) Private Limited		
2	Address of the Industry	B-3, Sipcot Industrial Growth Centre, Oragadam, Sriperumbudur Tk Kancheepuram Dt Pin-602 105.		
3	Date of Survey	8.12.2017.		
Category		Land use Classification	Industrial	
Type of Survey		Ambient		
Meteorological conditions		Calm		

**Logging Parameters**

Instrument Used	Larsen and Davis				
Logging Interval	10 Minutes at each point		Measuring Range	50 dB (A) – 110 dB(A)	
Weighting	"A"	Peak Weighting	"C"	Time Weighting	Fast
Sound Incidence	Frontal			Time in hrs.	14.45 to 15.50 Hrs

**Report of Noise Level Monitoring.**

Sl. No.	Location	Duration (min)	Distance (m)	Direction	Sound Level-dB(A)
					L <sub>eq</sub>
1	Near Fuel storage aea	10	40	N	57.6
2	Near Fire hydrant pump house	10	70	NE	54.3
3	Near ETP	10	50	SE	59.0
4	Near HW Storage section	10	40	S	53.8
5	NNar ware house Building	10	80	SW	62.7
6	Near Admin Office	10	60	NW	59.7
7	Near Power house	10	50	W	60.2
8	Near Boiler area	10	50	NNW	64.9

: L<sub>eq</sub> value is the average energy for the measured period.

*V. Thiruparvathi*  
Assistant Director (Lab)  
Advanced Environmental Laboratory,  
TNPC Board, Chennai



TAMIL NADU POLLUTION CONTROL BOARD

ADVANCED ENVIRONMENTAL LABORATORY, CHENNAI.

Bill

Lr.No. F.No 168/AAQ/SM/2017 Dated 18.12.2017

To  
M/s Momentive Performance Materials (I)  
Private Limited  
B-3, Sipcot Industrial Growth Centre,  
Oragadam, Sriperumbudur Tk  
Kancheepuram Dt  
Pin-602 105.

Ref: Cash Receipt No.37352 dated 2.8.2017 for Rs 93,400/-

Sl. No.	Description	No. of Stations	Rate (Rs.)	Amount (Rs.)
1	Ambient Air Quality Survey	6	3800	22,800
2	Stack Monitoring	5	9,300	46,500
3	Stack Monitoring	--	3200	3200
4	Ambient Noise Level testing charges (First 5 Points)	5	4,000	4000
5	Ambient Noise Level testing charges (for each additional points)	3	300	900
6	VOC Sampling charges	4	4000	16,000
Total				93,400
Less: Advance received vide above Cash Receipt				93,400
Balance to adjust / pay.				Nil

E & O E

*V. Thiagarajan*  
18.12.17  
Assistant Director (Lab)  
Advanced Environmental Laboratory,  
TNPC Board, Chennai.