

Name of Industry : MCC PTA India Corp. Private Limited
 Address : Vill & P.O.- Bhunia Raichak, Haldia, Purbo Midnapur
 Area: UTILITY
 Type of Sampling: Static

Sl. No.	Samplpe Code	Date of Sampling	Details of Location	Permissible limit (8 hourly avg.)						Result							
				Chlorine (µg/m ³)	Sulphuric acid (µg/m ³)	VOC (ppm)	Ammonia (µg/m ³)	Hydrogen Sulfide (µg/m ³)	Para-toluic acid (ppm)	CO (µg/m ³)	Chlorine (µg/m ³)	Sulphuric acid (µg/m ³)	VOC (ppm)	Ammonia (µg/m ³)	Hydrogen Sulfide (µg/m ³)	Para-toluic acid (ppm)	CO (µg/m ³)
1	17072-74	02.12.2009	Water Treatment Near H ₂ SO ₄ Storage tank (270° side)	3000	1000	No limit	18000	14000	No limit	55000	453.7	<4.0	<1.0	n/m	n/m	n/m	n/m
2	17078-80	03.12.2009	Water Treatment Near Ferric Chloride & Hypochlorite dosing area								484.6	<4.0	<1.0	n/m	n/m	n/m	n/m
3	17093-95	04.12.2009	Water Treatment Near H ₂ SO ₄ Storage tank (90° side)								638.9	<4.0	<1.0	n/m	n/m	n/m	n/m
4	17102-104	05.12.2009	Water Treatment Near Shed								339.6	<4.0	<1.0	n/m	n/m	n/m	n/m
5	17105-107	05.12.2009	Water Treatment Near Dosing tanks								297.5	<4.0	<1.0	n/m	n/m	n/m	n/m
6	17135-17137	06.12.2009	Waste Water Treatment Near Mixing Trench								n/m	n/m	<1.0	83.1	12.3	n/m	n/m
7	17138-17141	06.12.2009	Waste Water Treatment Near End of Aeration Pond								n/m	n/m	<1.0	24.3	7.9	n/m	n/m
8	17142-145	08.12.2008	Incinerator Residue Pit								n/m	n/m	<1.0	44.5	10.9	<0.3	1146
9	17224-227	08.12.2009	Incinerator ground floor near Pump								n/m	n/m	<1.0	34.2	6.5	<0.3	<0.625

n/m - Not measured

Area: UTILITY
 Type of Sampling: Personal

Sl. No.	Samplpe Code	Date of Sampling	Name of Person	Permissible limit (8 hourly avg.)			Result		
				Chlorine (µg/m ³)	Sulphuric acid (µg/m ³)	VOC in ppm	Chlorine (µg/m ³)	Sulphuric acid (µg/m ³)	VOC in ppm
1	17075-77	03.12.2009	Mr. Sayan Das	3000	1000	No limit	< 30.0	<4.0	<1.0
2	17087-89	04.12.2009	Mr. Asis Mondal				278.7	<4.0	<1.0
3	17096-98	04.12.2009	Mr. Ayan Chakrabroty				<30.0	<4.0	<1.0
4	17099-101	05.12.2009	Mr. Biswajit Bhunia				<30.0	<4.0	<1.0
5	17132-134	06.12.2009	Mr. Sunil Kr. Rauth				<30.0	<4.0	<1.0
6	17146-148	08.12.2009	Mr. Jane Alam				135.4	<4.0	<1.0
7	17221-223	08.12.2009	Mr. Sanjoy Kr. Roy				77.3	<4.0	<1.0

Name of Industry : MCC PTA India Corp. Private Limited
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 Address : Vill & P.O.- Bhunia Raichak, Haldia, Purbo Midnapur
 Area: CTA -PROCESS
 Type of Sampling: STATIC

Sl. No.	Samplpe Code	Date of Sampling	Details of Location	Permissible limit (8 hourly avg.)						Result								
				Paraxylene (ppm)	Acetic acid (ppm)	Methyl Acetate (ppm)	VOC (ppm)	Oil Mist (mg/m ³)	RPM (µg/m ³)	HBr (µg/m ³) STEL value	Paraxylene (ppm)	Acetic acid (ppm)	Methyl Acetate (ppm)	VOC (ppm)	Oil Mist (mg/m ³)	RPM (µg/m ³)	HBr (µg/m ³)	
1	17069-71	02.12.2009	CTA , Near G-1756B									<0.5	<0.5	<0.5	<1.0	n/m	n/m	n/m
2	17084-86	03.12.2009	CTA- Belt filter (Cleaning time) at 0°									<0.5	3.076 mg/m ³	<0.5	<1.0	n/m	n/m	n/m
3	17090-92	04.12.2009	CTA- Belt filter (Mtc time) at 90°									<0.5	<0.5	<0.5	<1.0	n/m	n/m	n/m

4	17216-218	09.12.2009	CTA- East side , Near F-1757	100	10	200	no limit	5	5000	10000	<0.5	<0.5	<0.5	<1.0	n/m	n/m	n/m
5	17406-407	17.12.2009	CTA- West side , Main Oxidation Near road side								<0.5	<0.5	<0.5	<1.0	n/m	n/m	n/m
6	17580	19.12.2009	Near Road between CTA & Compressor house								n/m	n/m	n/m	n/m	<0.1	n/m	n/m
7	17581	19.12.2009	Near 90° side of Exhaust of lube oil emission (Compressor house)								n/m	n/m	n/m	n/m	<0.1	n/m	n/m
8	17212-214	09.12.2009	HBr Unloading area (during unloading)								<0.5	<0.5	n/m	<1.0	n/m	n/m	<1.4
9	17663-665	19.12.2009	HBr Unloading area (during unloading)								<0.5	<0.5	n/m	<1.0	n/m	n/m	<1.4

Area: CTA -PROCESS

Type of Sampling: Personal

Sl. No.	Samplce Code	Date of Sampling	Name of Person	Permissible limit (8 hourly avg.)				Result			
				Paraxylene (ppm)	Acetic acid (ppm)	Methyl Acetate (ppm)	VOC (ppm)	Paraxylene (ppm)	Acetic acid (ppm)	Methyl Acetate (ppm)	VOC (ppm)
1	17081-83	03.12.2009	Mr.Pankaj Halder	100	10	200	No limit	<0.5	7.8 µg/m3	<0.5	<1.0
2	17228-230	09.12.2009	Mr. Ashis Bhadra					<0.5	<0.5	<0.5	<1.0
3	17231-233	09.12.2009	Mr. Soumya Kanti Pradhan					<0.5	<0.5	<0.5	<1.0
4	17200-201	10.12.2009	Mr. Chandan Maji					<0.5	<0.5	<0.5	<1.0
5	17407-408	17.12.2009	Mr. Biswajit Maity					<0.5	<0.5	<0.5	<1.0
6	17659-660	19.12.2009	Mr. Rathin Pradhan					<0.5	<0.5	<0.5	<1.0
7	17668-669	21.12.2009	Mr. Monishankar Jana					<0.5	<0.5	<0.5	<1.0

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Area: PTA -PROCESS

Type of Sampling: STATIC

Sl. No.	Samplce Code	Date of Sampling	Details of Location	Permissible limit (8 hourly avg.)					Result				
				Paraxylene(ppm)	Acetic acid(ppm)	VOC	RPM (µg/m ³)	SPM (µg/m ³)	Paraxylene (ppm)	Acetic acid(ppm)	VOC (ppm)	RPM (µg/m3)	SPM (µg/m3)
1	17219-220	09.12.2009	PTA , Near Hot Oil heater (West side)	100	10	no limit	5000	10000	<0.5	<0.5	<1.0	n/m	n/m
2	17402-403	16.12.2009	PTA- Near Vibrating Sieve (West side)						<0.5	<0.5	<1.0	n/m	n/m
3	17412-413	16.12.2010	PTA- Near G-1883 A (West side)						<0.5	<0.5	<1.0	n/m	n/m
4	17784	20.12.2009	Vibrating Seive sampling point						n/m	n/m	n/m	186	889

Area: PTA -PROCESS

Type of Sampling: Personal

Sl. No.	Samplce Code	Date of Sampling	Name of Person	Permissible limit (8 hourly avg.)			Result		
				Paraxylene(ppm)	Acetic acid (ppm)	VOC	Paraxylene (ppm)	Acetic acid (ppm)	VOC (ppm)
1	17.210-211	09.12.2009	Mr.Debabrata Shit	100	10	no limit	<0.5	<0.5	<1.0
2	17409-410	17.12.2009	Mr. Dipanjan Mal				<0.5	<0.5	<1.0
3	17657-658	19.12.2009	Mr. Soumik Paul				<0.5	<0.5	<1.0
4	17661-662	19.12.2009	Mr. Avijit Mondal				<0.5	<0.5	<1.0
5	17666-667	20.12.2009	Mr. Subhajit Hazra				<0.5	<0.5	<1.0
6	17670-671	21.12.2009	Mr. Shankar Mondal				<0.5	<0.5	<1.0

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Area: Raw Materials

Type of Sampling: STATIC

				Permissible limit (8 hourly)	Result
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Sl. No.	Sampl Code	Date of Sampling	Details of Location	Paraxylene (ppm)	Acetic acid (ppm)	VOC (ppm)	Paraxylene (ppm)	Acetic acid (ppm)	VOC (ppm)
1	17206-207	10.12.2009	Acetic acid unloading area (Unloading time)	100	10	no limit	<0.5	<0.5	<1.0
2	17208-209	10.12.2009	Furnace Oil unloading area (Unloading time)				<0.5	<0.5	<1.0

Area: Raw Materials

Type of Sampling: Personal

Sl. No.	Sampl Code	Date of Sampling	Details of Location	Permissible limit (8 hourly)			Result		
				Paraxylene (ppm)	Acetic acid (ppm)	VOC (ppm)	Paraxylene (ppm)	Acetic acid (ppm)	VOC (ppm)
1	17202-203	10.12.2009	Mr.Koushik Sasmal	100	10	no limit	<0.5	<0.5	<1.0
2	17204-205	10.12.2009	Mr.Pravas Das				<0.5	<0.5	<1.0
3	17400-401	11.12.2009	Mr. Onkarnath Bhunia				<0.5	<0.5	<1.0
4	17404-405	16.12.2009	Mr. Dipak Lal				<0.5	<0.5	<1.0
5	17684	24.12.2009	Mr. Gopeswar Das				<0.5	NA	<1.0
6	17685	24.12.2009	Mr Dipak Lal				<0.5	NA	<1.0

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Area: Logistics

Type of Sampling: STATIC

Sl. No.	Sampl Code	Date of Sampling	Details of Location	Permissible limit (8		Result	
				RPM ($\mu\text{g}/\text{m}^3$)	SPM ($\mu\text{g}/\text{m}^3$)	RPM ($\mu\text{g}/\text{m}^3$)	SPM ($\mu\text{g}/\text{m}^3$)
1	17780	16.12.2009	Outside Bagging area F-6952	5000	10000	378	1281
2	17781	17.12.2009	In-side Bagging area F-6952			1025	3356
3	17782	17.12.2009	Inside Warehouse			216	569
4	17783	19.12.2009	Bulk Silo near F-6953			132	309

Area: Logistics

Type of Sampling: Personal

Sl. No.	Sampl Code	Date of Sampling	Name of Person	Permissible limit (8 hourly avg)	Concentration ($\mu\text{g}/\text{m}^3$)
				RPM ($\mu\text{g}/\text{m}^3$)	RPM
1	17785	16.12.2009	Mr.Narugopal Das	5000	284
2	17786	17.12.2009	Mr. Amirul Islam		351
3	17787	17.12.2009	Mr. Goutam Barick		292
4	17788	19.12.2009	Mr. Atunu Maity		216
5	17789	19.12.2009	Mr. Foridul Sa		200
6	17790	19.12.2009	Sk Ahidul Islam		167
7	17791	20.12.2009	Mr. Rajib Tunga		267

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Area: QI & Lab

Type of Sampling: STATIC

Sl. No.	Sampl Code	Date of Sampling	Details of Location	Permissible limit (8 hrs. average)		Result	
				VOC (ppm)	RPM ($\mu\text{g}/\text{m}^3$)	VOC (ppm)	RPM ($\mu\text{g}/\text{m}^3$)
1	17672	21.12.2009	Lab Instrument Room -A	no limit	5000	<1.0	188