LDEQ's Response to Item No. 1

2083 - Union Carbide

	Ammonia	Carbon monoxide	Ethylene oxide	Nitrogen oxides	Particulate matter (10 microns or less)	Particulate matter (2.5 microns or less)	Sulfur dioxide	VOC, Total
2010	28340.96992	4831.94	25807.94812	2363.69	200.26	200.26	327.83	435.52984
2011	21993.673	5278.79	35286.939	2410.02	207.62	207.62	291.59	421.3446
2012	23264.726	2136.43	42837.991	2787.13	228.92	205.73	303.25	474.89
2013	22330.226	2353.03	42205.434	4856.52	237.618	216.878	466.02	540.94
2014	21889.336	2353.55	20701.437	3272.7	226.76	207.01	413.53	477.56
2015	9072.65	2945.89	14364.403	3320.18	220.681	198.721	358.37	499.734
2016	10601.703	3203.9493	11214.708	3754.5005	248.0761	226.2932	483.7345	557.4233
2017	14496.831	2464.18	6267.49	3550.6434	264.6591	243.827	435.4016	576.31318
2018	17039.391	2506.5363	7800.225	3705.5743	306.9117	285.1057	270.0331	595.5525
2019	16553.401	2371.5135	10716.721	3556.366	296.773	295.5419	213.6789	502.6192

3263 - Taminco

	Ammonia	Carbon monoxide	Ethylene oxide	Nitrogen oxides	Particulate matter (10 microns or less)	Particulate matter (2.5 microns or less)	Sulfur dioxide	VOC, Total
2010	4853.213769	3.133124	695.128663	76.09434	8.014381	8.014381	0.699528	47.63406
2011	3452.584219	2.337366	1060.857556	84.892429	9.302931	9.302931	0.559457	85.351032
2012	3387.79	2.99	1576.4	109.76	11.57	11.57	0.58	110.31745
2013	3412.44	3.19	1640.52	114.11	10.724	10.724	0.644	93.217
2014	2435.927083	1.8241	226.771948	92.883	10.3022	10.3022	0.2722	66.919892
2015	2503.569233	1.7551	224.497716	88.893	9.8032	9.8032	0.2632	64.846856
2016	2603.259498	1.683658	165.654251	89.316973	9.051205	9.051205	0.251122	70.310933
2017	2645.412127	1.704565	161.459377	92.050744	9.260878	9.260878	0.270818	69.750621
2018	2282.076569	1.977696	159.908517	104.861655	8.781585	8.781585	0.298171	62.670469
2019	3941.512729	1.85747	191.056406	90.43338	8.513685	8.513685	0.292968	51.409224

3271 - Sasol

	Ammonia	Carbon monoxide	Ethylene oxide	Nitrogen oxides	Particulate matter (10 microns or less)	Particulate matter (2.5 microns or less)	Sulfur dioxide	VOC, Total
2010	24098.015	519.454	3942.569	1117.15	231.563	231.563	26.567	499.638331
2011	14023.739	509.298	5874.976	1191.659	242.98	242.98	28.747	506.463625
2012	11804.557	537.7255	6309.334	1052.165	248.208	248.208	22.6285	520.557137
2013	14085.247	536.916	5998.591	1115.049	251.799	251.799	24.163	541.791954
2014	19115.789	642.427	2225.139	1170.438	252.155	252.155	21.652	574.16999
2015	12953.56	583.072	3145.827	1186.7596	274.3359	274.3359	23.55	789.445492
2016	8321.331	533.5355	1495.965	1177.2325	270.427	270.427	20.171	682.665896
2017	6602.166	611.5666	2105.034	1212.9508	272.299	271.704	51.392	756.014775
2018	12878.618	636.9237	2236.942	1253.3753	283.4072	283.4072	24.3542	838.599508
2019	49630.857	2131.2407	3176.283	1689.238	354.296	354.293	34.0378	1530.751581

13560 - Air Products

	Ammonia	Carbon monoxide	Ethylene oxide	Nitrogen oxides	Particulate matter (10 microns or less)	Particulate matter (2.5 microns or less)	Sulfur dioxide	VOC, Total
2010		1.6528	2594	2.0845	1.0976		0.022	9.691423
2011		1.8379	2661	2.3049	1.1144		0.0233	31.568203
2012		2.7338	3023.41	3.3713	1.1955		0.0296	37.224083
2013		2.7748	2985.18	3.4202	1.1992		0.03	43.168213
2014		2.1029	3221.9	2.6192	1.1384		0.0252	50.040333
2015		1.8901	3069.83	2.3321	1.1167		0.0207	46.547793
2016		1.7607	3125.47	2.1782	1.1049		0.0199	49.30518
2017		1.4032	2494.01	1.7525	1.0726		0.0172	34.17282
2018		1.612259	1747.196761	2.001451	1.972704	1.972704	0.018648	45.27292
2019		1.35798	1592.451306	1.664006	1.972944	1.972944	0.013814	40.077724

27495 - BCP Ingredients

* Facility is not a major source of toxics and is not required to submit EtO emissions. Following an ownership change they chose to stop voluntarily reporting toxics. The 2018 value was obtained from the TRI 2018 Updated Dataset (released April 2020)

	Ammonia	Carbon monoxide	Ethylene oxide	Nitrogen oxides	Particulate matter (10 microns or less)	Particulate matter (2.5 microns or less)	Sulfur dioxide	VOC, Total
2010		0.77	8946.852345	0.92	0.07	0.07	0.005	7.860009
2011		0.79	7417.863654	0.94	0.07	0.07	0.006	7.840009
2012		0.8	8103.152229	0.96	0.07	0.07	0.006	8.780009
2013		0.954	8367.368395	1.136	0.086	0.086	0.0068	8.926409
2014		1.06127	5003.418874	1.263418	0.09602	0.09602	0.007581	7.445358
2015		0.82723	4042.63323	0.98479	0.07484	0.07484	0.00591	6.646409
2016		0.668	3172.501999	0.795	0.06	0.06	0.0048	5.729909
2017		0.936	4260.145103	1.114	0.085	0.085	0.0067	6.883709
2018		0.794	48	0.946	2.442	2.37	0.0057	4.499302
2019		0.735		0.875	2.437	2.437	0.0053	0.45

LDEQ's Response to Item No. 2

Incident Type Desc	Region Code	Lead Inv	Incident Id	Incident Date	Reported Rec Date	Master AI Id	Incident Source Name	Incident Status Desc	Incident Desc
Release/Spill, Facility Water Discharge	SE	Logiudice, Theresa	194421	11/20/2019 8:00	11/20/2019 0:00	2083	Union Carbide Corp - St Charles Operations Site	Closed	s19-139931 RELEASE OF AN UNKNOWN AMOUNT OF ETHYLENE OXIDE INTO THE WATER CAUSED BY AN UNKNOWN REASON AT A FACILITY CML
Release/Spill, Facility Air Release	SE	Logiudice, Theresa	199011	9/18/2020 13:20	9/18/2020 0:00	2083	Union Carbide Corp - St Charles Operations Site	Open	s20-152491 Release of ethylene oxide to air from an agitator leak CML

LDEQ's Response to Item Nos. 3, 4 and 5

	MASTER_AI _ID	MASTER_AI_NAME	PERMIT_NO	CURRENTLY PERMITTED EO	APPLICABLE MACT	PERMIT ISSUED	APPLICATION PENDING	LINK TO PERMIT
1.	2083	Union Carbide Corp - St Charles Operations Site (Higher Glycols)	1909-V3	2.11	HON	3/19/2020	No	https://edms.deq.louisiana.gov/app/doc/view.aspx?doc=12115805&ob=yes&child=yes
	2083	Union Carbide Corp - St Charles Operations Site (Environmental Operations)	2104-V5	1.55	XX, YY	1/27/2017	No	https://edms.deq.louisiana.gov/app/doc/view.aspx?doc=10486531&ob=yes&child=yes
	2083	Union Carbide Corp - St Charles Operations Site (Energy Systems Plant)	2343-V5	0.016	DDDDD	2/27/2020	Yes	https://edms.deq.louisiana.gov/app/doc/view.aspx?doc=12092057&ob=yes&child=yes
	2083	Union Carbide Corp - St Charles Operations Site (Amines Plant)	2421-V6	0.047	HON	3/11/2020	No	https://edms.deq.louisiana.gov/app/doc/view.aspx?doc=12105450&ob=yes&child=yes
	2083	Union Carbide Corp - St Charles Operations Site (EPARK)	2446-V6	1.138	PPP	5/22/2019	No	https://edms.deq.louisiana.gov/app/doc/view.aspx?doc=11691259&ob=yes&child=yes
	2083	Union Carbide Corp - St Charles Operations Site (Site Logistics)	2656-V9	7.946	HON	7/6/2020	No	https://edms.deq.louisiana.gov/app/doc/view.aspx?doc=12252346&ob=yes&child=yes
	2083	Union Carbide Corp - St Charles Operations Site (MGE Plant)	2814-V4	0.103	HON	6/27/2019	No	https://edms.deq.louisiana.gov/app/doc/view.aspx?doc=11735264&ob=yes&child=yes
	2083	Union Carbide Corp - St Charles Operations Site (Oxide Plant)	476-V7	7.243	HON	3/3/2020	Yes	https://edms.deq.louisiana.gov/app/doc/view.aspx?doc=12102824&ob=yes&child=yes
2.	3263	Taminco - St Gabriel Plant	1280-00031-V16	1.735	–	1/30/2020	No	https://edms.deq.louisiana.gov/app/doc/view.aspx?doc=12050107&ob=yes&child=yes
3.	3271	Sasol Chemicals (USA) LLC - Lake Charles Chemical Complex (Ethoxylation Units)	2325-V8	13.99	PPP	11/7/2019	No	https://edms.deq.louisiana.gov/app/doc/view.aspx?doc=10032309&ob=yes&child=yes
	3271	Sasol Chemicals (USA) LLC - Lake Charles Chemical Complex	2825-02	0.50	–	10/29/2019	No	https://edms.deq.louisiana.gov/app/doc/view.aspx?doc=11930355&ob=yes&child=yes
	3271	Sasol Chemicals (USA) LLC - Lake Charles Chemical Complex (EO/MEG)	3115-V2	3.116	HON	1/10/2019	No	https://edms.deq.louisiana.gov/app/doc/view.aspx?doc=11464485&ob=yes&child=yes
	3271	Sasol Chemicals (USA) LLC - Lake Charles Chemical Complex (Ethylene 2)	3118-V2	–	N/A	1/10/2019	Yes	https://edms.deq.louisiana.gov/app/doc/view.aspx?doc=11464058&ob=yes&child=yes
4.	13560	Evonik Materials Corp - Reserve Plant	2580-00023-08	1.682	–	3/19/2020	Yes	https://edms.deq.louisiana.gov/app/doc/view.aspx?doc=12115797&ob=yes&child=yes
5.	27495	BCP Ingredients Inc	1280-00058-05	1.80	–	7/20/2020	No	https://edms.deq.louisiana.gov/app/doc/view.aspx?doc=12277212&ob=yes&child=yes

LINKS TO PENDING APPLICATIONS

Union Carbide:

Energy Systems Plant https://edms.deq.louisiana.gov/app/doc/view.aspx?doc=12351928&ob=yes&child=yes

Oxide Plant https://edms.deq.louisiana.gov/app/doc/view.aspx?doc=12298053&ob=yes&child=yes

Sasol:

Ethylene 2 https://edms.deq.louisiana.gov/app/doc/view.aspx?doc=12370644&ob=yes&child=yes

Evonik: https://edms.deq.louisiana.gov/app/doc/view.aspx?doc=12334427&ob=yes&child=yes