Lookback Period Production Data and Baseline Period Selection

	Kiln 1 Lime (ton)	Kiln 2 Lime (ton)	Plantwide Lime (ton)	12-Month Lime (ton)	24-Month Lime (ton)	Heat Rate (mmBtu/ton)	Total (mmBtu)	Coal (mmBtu)	Nat Gas (mmBtu)	Syn Gas (mmBtu)	Glycerin (mmBtu)	Coal (%)	Nat Gas (%)	Syn Gas (%)	Glycerin (%)
Jan-07	10,659	13,343	24,003	---	---	7.63	183,077	180,033	3,044	0	0	98.34%	1.66%	0.00%	0.00%
Feb-07	10,757	11,842	22,599	---	---	7.63	172,376	168,316	4,060	0	0	97.64%	2.36%	0.00%	0.00%
Mar-07	10,226	14,179	24,405	---	---	7.63	186,146	182,340	3,806	0	0	97.96%	2.04%	0.00%	0.00%
Apr-07	11,641	12,713	24,355	---	---	7.63	185,764	184,481	1,283	0	0	99.31%	0.69%	0.00%	0.00%
May-07	11,207	12,229	23,436	---	---	7.63	178,755	177,936	819	0	0	99.54%	0.46%	0.00%	0.00%
Jun-07	12,507	13,108	25,615	---	---	7.63	195,380	194,514	866	0	0	99.56%	0.44%	0.00%	0.00%
Jul-07	7,290	14,203	21,494	---	---	7.63	163,941	163,759	182	0	0	99.89%	0.11%	0.00%	0.00%
Aug-07	5,701	14,677	20,378	---	---	7.63	155,434	154,951	483	0	0	99.69%	0.31%	0.00%	0.00%
Sep-07	9,700	10,452	20,152	---	---	7.63	153,709	152,393	1,315	0	0	99.14%	0.86%	0.00%	0.00%
Oct-07	11,493	12,864	24,356	---	---	7.63	185,774	185,340	434	0	0	99.77%	0.23%	0.00%	0.00%
Nov-07	12,820	12,741	25,561	---	---	7.63	194,963	194,527	436	0	0	99.78%	0.22%	0.00%	0.00%
Dec-07	13,841	14,174	28,015	284,369	---	7.63	213,681	211,901	1,780	0	0	99.17%	0.83%	0.00%	0.00%
Jan-08	13,990	13,654	27,644	288,010	---	7.63	210,851	208,237	2,614	0	0	98.76%	1.24%	0.00%	0.00%
Feb-08	13,164	12,701	25,865	291,276	---	7.63	197,285	194,226	3,059	0	0	98.45%	1.55%	0.00%	0.00%
Mar-08	12,206	12,585	24,791	291,662	---	7.63	189,092	185,880	3,212	0	0	98.30%	1.70%	0.00%	0.00%
Apr-08	13,345	12,976	26,322	293,629	---	7.63	200,768	200,236	532	0	0	99.73%	0.27%	0.00%	0.00%
May-08	12,506	13,324	25,831	296,024	---	7.63	197,022	195,871	1,151	0	0	99.42%	0.58%	0.00%	0.00%
Jun-08	12,476	13,784	26,261	296,669	---	7.63	200,301	199,817	484	0	0	99.76%	0.24%	0.00%	0.00%
Jul-08	13,221	14,595	27,816	302,992	---	7.63	212,167	211,482	685	0	0	99.68%	0.32%	0.00%	0.00%
Aug-08	14,743	14,513	29,256	311,870	---	7.63	223,149	223,028	121	0	0	99.95%	0.05%	0.00%	0.00%
Sep-08	13,708	2,710	16,417	308,135	---	7.63	125,222	124,923	299	0	0	99.76%	0.24%	0.00%	0.00%
Oct-08	10,722	14,435	25,157	308,936	---	7.63	191,882	191,064	818	0	0	99.57%	0.43%	0.00%	0.00%
Nov-08	8,784	10,237	19,021	302,396	---	7.63	145,080	144,403	677	0	0	99.53%	0.47%	0.00%	0.00%
Dec-08	4,908	13,510	18,418	292,799	577,168	7.63	140,479	138,385	2,094	0	0	98.51%	1.49%	0.00%	0.00%
Jan-09	0	14,079	14,079	279,234	567,244	7.63	107,385	104,922	2,463	0	0	97.71%	2.29%	0.00%	0.00%
Feb-09	0	11,261	11,261	264,629	555,905	7.63	85,890	84,220	1,669	0	0	98.06%	1.94%	0.00%	0.00%
Mar-09	0	11,622	11,622	251,460	543,122	7.63	88,644	87,575	1,069	0	0	98.79%	1.21%	0.00%	0.00%
Apr-09	0	8,826	8,826	233,964	527,593	7.63	67,318	67,044	275	0	0	99.59%	0.41%	0.00%	0.00%
May-09	0	0	0	208,133	504,157	7.63	0	0	0	0	0	0.00%	0.00%	0.00%	0.00%
Jun-09	0	0	0	181,872	478,542	7.63	0	0	0	0	0	0.00%	0.00%	0.00%	0.00%
Jul-09	0	0	0	154,056	457,048	7.63	0	0	0	0	0	0.00%	0.00%	0.00%	0.00%
Aug-09	0	0	0	124,800	436,670	7.63	0	0	0	0	0	0.00%	0.00%	0.00%	0.00%
Sep-09	0	0	0	108,383	416,518	7.63	0	0	0	0	0	0.00%	0.00%	0.00%	0.00%
Oct-09	0	0	0	83,226	392,162	7.63	0	0	0	0	0	0.00%	0.00%	0.00%	0.00%

Lookback Period Production Data and Baseline Period Selection

	Kiln 1 Lime (ton)	Kiln 2 Lime (ton)	Plantwide Lime (ton)	12-Month Lime (ton)	24-Month Lime (ton)	Heat Rate (mmBtu/ton)	Total (mmBtu)	Coal (mmBtu)	Nat Gas (mmBtu)	Syn Gas (mmBtu)	Glycerin (mmBtu)	Coal (%)	Nat Gas (%)	Syn Gas (%)	Glycerin (%)
Nov-09	0	0	0	64,205	366,601	7.63	0	0	0	0	0	0.00%	0.00%	0.00%	0.00%
Dec-09	0	0	0	45,787	338,586	7.63	0	0	0	0	0	0.00%	0.00%	0.00%	0.00%
Jan-10	0	0	0	31,708	310,942	7.63	2,463	0	2,463	0	0	0.00%	100.00%	0.00%	0.00%
Feb-10	0	0	0	20,448	285,077	7.63	1,669	0	1,669	0	0	0.00%	100.00%	0.00%	0.00%
Mar-10	0	14,555	14,555	23,381	274,841	8.05	117,176	117,176	0	0	0	100.00%	0.00%	0.00%	0.00%
Apr-10	5,612	12,751	18,362	32,918	266,881	7.59	139,335	138,140	1,195	0	0	99.14%	0.86%	0.00%	0.00%
May-10	13,071	14,755	27,825	60,743	268,876	7.19	200,077	199,896	181	0	0	99.91%	0.09%	0.00%	0.00%
Jun-10	12,381	11,672	24,053	84,796	266,668	7.53	181,036	180,315	721	0	0	99.60%	0.40%	0.00%	0.00%
Jul-10	14,697	14,362	29,059	113,855	267,911	7.36	214,016	213,840	176	0	0	99.92%	0.08%	0.00%	0.00%
Aug-10	12,115	12,699	24,814	138,669	263,469	7.01	173,928	173,779	149	0	0	99.91%	0.09%	0.00%	0.00%
Sep-10	13,304	14,343	27,647	166,316	274,699	7.53	208,084	207,968	115	0	0	99.94%	0.06%	0.00%	0.00%
Oct-10	3,126	15,334	18,460	184,776	268,002	7.52	138,862	138,815	47	0	0	99.97%	0.03%	0.00%	0.00%
Nov-10	0	15,948	15,948	200,724	264,929	7.54	120,301	120,301	0	0	0	100.00%	0.00%	0.00%	0.00%
Dec-10	0	15,015	15,015	215,739	261,526	8.07	121,138	121,138	0	0	0	100.00%	0.00%	0.00%	0.00%
Jan-11	0	15,695	15,695	231,434	263,142	8.42	132,103	129,640	2,463	0	0	98.14%	1.86%	0.00%	0.00%
Feb-11	7,901	13,043	20,944	252,378	272,826	7.68	160,950	158,693	2,257	0	0	98.60%	1.40%	0.00%	0.00%
Mar-11	8,416	14,165	22,581	260,404	283,785	8.01	180,916	178,812	2,103	0	0	98.84%	1.16%	0.00%	0.00%
Apr-11	12,835	9,833	22,668	264,710	297,627	7.21	163,477	162,215	1,262	0	0	99.23%	0.77%	0.00%	0.00%
May-11	13,827	13,679	27,507	264,391	325,134	7.63	209,749	209,359	390	0	0	99.81%	0.19%	0.00%	0.00%
Jun-11	10,136	12,806	22,942	263,281	348,076	7.45	170,912	169,344	1,567	0	0	99.08%	0.92%	0.00%	0.00%
Jul-11	11,273	11,739	23,012	257,233	371,088	7.94	182,645	182,459	187	0	0	99.90%	0.10%	0.00%	0.00%
Aug-11	13,883	11,095	24,978	257,397	396,066	7.81	195,115	195,085	29	0	0	99.99%	0.01%	0.00%	0.00%
Sep-11	12,975	9,807	22,782	252,532	418,848	7.58	172,777	171,561	1,216	0	0	99.30%	0.70%	0.00%	0.00%
Oct-11	11,955	3,801	15,756	249,828	434,604	8.00	126,065	124,257	1,808	0	0	98.57%	1.43%	0.00%	0.00%
Nov-11	14,093	8,144	22,237	256,118	456,841	7.48	166,390	164,694	1,697	0	0	98.98%	1.02%	0.00%	0.00%
Dec-11	12,599	13,174	25,773	266,876	482,614	7.48	192,719	191,697	1,022	0	0	99.47%	0.53%	0.00%	0.00%
Jan-12	11,872	13,898	25,770	276,951	508,385	7.60	195,937	194,382	1,555	0	0	99.21%	0.79%	0.00%	0.00%
Feb-12	10,002	12,617	22,618	278,625	531,003	7.62	172,443	171,236	1,207	0	0	99.30%	0.70%	0.00%	0.00%
Mar-12	0	15,346	15,346	271,390	531,794	7.38	113,263	112,161	1,102	0	0	99.03%	0.97%	0.00%	0.00%
Apr-12	6,897	15,441	22,338	271,061	535,770	7.82	174,762	168,565	6,197	0	0	96.45%	3.55%	0.00%	0.00%
May-12	12,733	13,801	26,534	270,088	534,479	7.27	193,030	192,863	167	0	0	99.91%	0.09%	0.00%	0.00%
Jun-12	6,209	13,038	19,247	266,393	529,673	8.03	154,517	142,677	1,102	0	10,738	92.34%	0.71%	0.00%	6.95%
Jul-12	11,833	13,547	25,380	268,761	525,994	7.75	196,614	185,766	133	0	10,715	94.48%	0.07%	0.00%	5.45%
Aug-12	12,492	13,040	25,532	269,315	526,712	7.55	192,736	184,739	261	0	7,736	95.85%	0.14%	0.00%	4.01%

Lookback Period Production Data and Baseline Period Selection

	Kiln 1 Lime (ton)	Kiln 2 Lime (ton)	Plantwide Lime (ton)	12-Month Lime (ton)	24-Month Lime (ton)	Heat Rate (mmBtu/ton)	Total (mmBtu)	Coal (mmBtu)	Nat Gas (mmBtu)	Syn Gas (mmBtu)	Glycerin (mmBtu)	Coal (%)	Nat Gas (%)	Syn Gas (%)	Glycerin (%)
Sep-12	12,168	11,976	24,144	270,677	523,209	7.95	191,844	184,016	496	0	7,333	95.92%	0.26%	0.00%	3.82%
Oct-12	13,070	3,426	16,496	271,416	521,245	7.53	124,178	121,254	1,086	0	1,838	97.65%	0.87%	0.00%	1.48%
Nov-12	11,180	12,580	23,760	272,939	529,057	7.82	185,866	184,225	1,642	0	0	99.12%	0.88%	0.00%	0.00%
Dec-12	11,660	12,897	24,557	271,723	538,599	7.05	173,018	172,401	618	0	0	99.64%	0.36%	0.00%	0.00%
Jan-13	12,884	13,833	26,717	272,670	549,621	7.37	196,826	195,799	1,027	0	0	99.48%	0.52%	0.00%	0.00%
Feb-13	4,352	13,824	18,176	268,228	546,853	7.93	144,088	141,282	2,806	0	0	98.05%	1.95%	0.00%	0.00%
Mar-13	12,892	13,774	26,666	279,548	550,938	7.75	206,687	205,445	1,242	0	0	99.40%	0.60%	0.00%	0.00%
Apr-13	12,226	12,583	24,809	282,018	553,079	7.30	181,042	180,447	595	0	0	99.67%	0.33%	0.00%	0.00%
May-13	13,599	14,234	27,833	283,317	553,405	7.65	212,846	212,412	433	0	0	99.80%	0.20%	0.00%	0.00%
Jun-13	12,448	13,089	25,537	289,607	555,999	7.57	193,313	193,211	102	0	0	99.95%	0.05%	0.00%	0.00%
Jul-13	12,471	12,788	25,259	289,486	558,247	7.82	197,595	197,432	163	0	0	99.92%	0.08%	0.00%	0.00%
Aug-13	12,467	11,991	24,459	288,412	557,727	7.75	189,576	189,067	509	0	0	99.73%	0.27%	0.00%	0.00%
Sep-13	13,405	12,239	25,644	289,912	560,588	7.65	196,266	196,029	237	0	0	99.88%	0.12%	0.00%	0.00%
Oct-13	13,713	13,172	26,885	300,301	571,717	7.54	202,803	202,670	133	0	0	99.93%	0.07%	0.00%	0.00%
Nov-13	4,597	12,666	17,263	293,804	566,743	8.24	142,232	139,520	2,712	0	0	98.09%	1.91%	0.00%	0.00%
Dec-13	12,084	13,789	25,872	295,119	566,842	7.50	194,045	192,088	1,957	0	0	98.99%	1.01%	0.00%	0.00%
Jan-14	11,079	12,140	23,219	291,621	564,291	7.95	184,556	180,197	4,359	0	0	97.64%	2.36%	0.00%	0.00%
Feb-14	10,791	10,847	21,638	295,083	563,311	7.89	170,623	166,200	4,423	0	0	97.41%	2.59%	0.00%	0.00%
Mar-14	13,638	6,776	20,414	288,831	568,379	8.11	165,471	162,867	2,604	0	0	98.43%	1.57%	0.00%	0.00%
Apr-14	10,228	12,072	22,300	286,322	568,340	7.83	174,605	172,423	2,182	0	0	98.75%	1.25%	0.00%	0.00%
May-14	12,444	13,183	25,627	284,116	567,433	7.41	189,937	189,811	126	0	0	99.93%	0.07%	0.00%	0.00%
Jun-14	8,723	14,580	23,303	281,882	571,489	7.49	174,437	173,401	1,036	0	0	99.41%	0.59%	0.00%	0.00%
Jul-14	13,706	13,744	27,450	284,073	573,559	7.66	210,216	210,041	175	0	0	99.92%	0.08%	0.00%	0.00%
Aug-14	13,098	13,908	27,006	286,620	575,033	7.52	203,186	202,988	198	0	0	99.90%	0.10%	0.00%	0.00%
Sep-14	14,221	14,630	28,851	289,828	579,740	7.38	212,902	212,750	151	0	0	99.93%	0.07%	0.00%	0.00%
Oct-14	13,769	13,682	27,451	290,394	590,695	7.62	209,285	208,988	297	0	0	99.86%	0.14%	0.00%	0.00%
Nov-14	14,027	12,192	26,219	299,350	593,154	7.68	201,373	199,789	1,585	0	0	99.21%	0.79%	0.00%	0.00%
Dec-14	13,019	13,598	26,617	300,095	595,214	7.85	208,823	207,725	1,098	0	0	99.47%	0.53%	0.00%	0.00%
Jan-15	13,047	13,473	26,520	303,396	595,017	7.47	198,073	196,207	1,866	0	0	99.06%	0.94%	0.00%	0.00%
Feb-15	11,345	11,918	23,262	305,020	600,103	7.60	176,704	174,489	2,215	0	0	98.75%	1.25%	0.00%	0.00%
Mar-15	10,406	11,432	21,838	306,444	595,275	7.83	170,951	169,625	1,326	0	0	99.22%	0.78%	0.00%	0.00%
Apr-15	5,961	13,752	19,713	303,857	590,179	8.31	163,764	162,342	1,422	0	0	99.13%	0.87%	0.00%	0.00%
May-15	13,792	13,299	27,091	305,321	589,437	7.74	209,783	209,599	184	0	0	99.91%	0.09%	0.00%	0.00%
Jun-15	11,831	12,048	23,879	305,897	587,780	7.56	180,553	180,421	132	0	0	99.93%	0.07%	0.00%	0.00%

Lookback Period Production Data and Baseline Period Selection

	Kiln 1 Lime (ton)	Kiln 2 Lime (ton)	Plantwide Lime (ton)	12-Month Lime (ton)	24-Month Lime (ton)	Heat Rate (mmBtu/ton)	Total (mmBtu)	Coal (mmBtu)	Nat Gas (mmBtu)	Syn Gas (mmBtu)	Glycerin (mmBtu)	Coal (%)	Nat Gas (%)	Syn Gas (%)	Glycerin (%)
Jul-15	11,657	11,763	23,420	301,868	585,941	7.52	176,022	175,834	188	0	0	99.89%	0.11%	0.00%	0.00%
Aug-15	12,591	12,834	25,425	300,287	586,907	7.41	188,272	188,134	138	0	0	99.93%	0.07%	0.00%	0.00%
Sep-15	12,411	4,836	17,247	288,683	578,511	7.78	134,254	133,333	921	0	0	99.31%	0.69%	0.00%	0.00%
Oct-15	9,029	10,351	19,380	280,612	571,006	7.69	148,949	148,676	272	0	0	99.82%	0.18%	0.00%	0.00%
Nov-15	3,199	14,174	17,373	271,766	571,116	8.08	140,439	139,006	1,433	0	0	98.98%	1.02%	0.00%	0.00%
Dec-15	13,625	13,287	26,912	272,061	572,156	7.56	203,482	203,007	476	0	0	99.77%	0.23%	0.00%	0.00%
Jan-16	10,909	12,827	23,736	269,278	572,674	7.41	175,867	174,466	1,401	0	0	99.20%	0.80%	0.00%	0.00%
Feb-16	10,226	10,771	20,997	267,013	572,033	7.27	152,555	151,486	1,069	0	0	99.30%	0.70%	0.00%	0.00%
Mar-16	12,220	11,582	23,802	268,978	575,421	7.10	168,971	168,278	693	0	0	99.59%	0.41%	0.00%	0.00%
Apr-16	12,344	12,369	24,713	273,978	577,835	7.52	185,955	185,353	602	0	0	99.68%	0.32%	0.00%	0.00%
May-16	14,529	14,649	29,178	276,065	581,386	7.64	222,822	222,332	491	0	0	99.78%	0.22%	0.00%	0.00%
Jun-16	8,462	12,828	21,289	273,475	579,372	7.59	161,609	161,308	301	0	0	99.81%	0.19%	0.00%	0.00%
Jul-16	2,361	15,179	17,540	267,595	569,463	7.45	130,759	129,432	1,326	0	0	98.99%	1.01%	0.00%	0.00%
Aug-16	11,710	11,156	22,865	265,036	565,323	7.77	177,770	177,239	531	0	0	99.70%	0.30%	0.00%	0.00%
Sep-16	12,119	12,313	24,433	272,221	560,904	7.74	189,118	188,997	121	0	0	99.94%	0.06%	0.00%	0.00%
Oct-16	12,147	2,592	14,739	267,580	548,192	7.38	108,822	107,837	985	0	0	99.09%	0.91%	0.00%	0.00%
Nov-16	13,111	12,675	25,785	275,992	547,758	7.81	201,275	200,817	458	0	0	99.77%	0.23%	0.00%	0.00%
Dec-16	12,963	13,553	26,515	275,595	547,656	7.59	201,171	198,826	2,344	0	0	98.83%	1.17%	0.00%	0.00%
Jan-17															
Feb-17															
Mar-17															
Apr-17															
May-17															
Jun-17															
Jul-17															
Aug-17															
Sep-17															
Oct-17															
Nov-17															
Dec-17															
Jan-18															
Feb-18															
Mar-18															
Apr-18															

Lookback Period Production Data and Baseline Period Selection

	Kiln 1 Lime (ton)	Kiln 2 Lime (ton)	Plantwide Lime (ton)	12-Month Lime (ton)	24-Month Lime (ton)	Heat Rate (mmBtu/ton)	Total (mmBtu)	Coal (mmBtu)	Nat Gas (mmBtu)	Syn Gas (mmBtu)	Glycerin (mmBtu)	Coal (%)	Nat Gas (%)	Syn Gas (%)	Glycerin (%)
May-18															
Jun-18															
Jul-18															
Aug-18															
Sep-18															
Oct-18															
Nov-18															
Dec-18															
Jan-19															
Feb-19															
Mar-19															
Apr-19															
May-19															
Jun-19															
Jul-19															
Aug-19															
Sep-19															
Oct-19															
Nov-19															
Dec-19															
Jan-20															
Feb-20															
Mar-20															
Apr-20															
May-20															
Jun-20															
Jul-20															
Aug-20															
Sep-20															
Oct-20															
Nov-20															
Dec-20															
Jan-21															
Feb-21															

Lookback Period Production Data and Baseline Period Selection

	Kiln 1 Lime (ton)	Kiln 2 Lime (ton)	Plantwide Lime (ton)	12-Month Lime (ton)	24-Month Lime (ton)	Heat Rate (mmBtu/ton)	Total (mmBtu)	Coal (mmBtu)	Nat Gas (mmBtu)	Syn Gas (mmBtu)	Glycerin (mmBtu)	Coal (%)	Nat Gas (%)	Syn Gas (%)	Glycerin (%)
Mar-21															
Apr-21															
May-21															
Jun-21															
Jul-21															
Aug-21															
Sep-21															
Oct-21															
Nov-21															
Dec-21															

350,141

29,178 306,444

Lookback Period Production Data and Baseline Period Selection

	Kiln 1 CO Emissions			Kiln 2 CO Emissions			Total CO	Kiln 1 NO_X Emissions			Kiln 2 NO_X Emissions			Total NO_X	Kiln 1 Lead Emiss	
	lb/ton	lb/mmBtu	tons	lb/ton	lb/mmBtu	tons	Tons/month	lb/ton	lb/mmBtu	tons	lb/ton	lb/mmBtu	tons	Tons/month	lb/ton	lb/mmBtu
Jan-07	0.562	0.074	2.99	0.562	0.074	3.75	6.74	4.337	0.569	23.12	4.337	0.569	28.94	52.06	2.5E-06	3.3E-07
Feb-07	0.562	0.074	3.02	0.562	0.074	3.33	6.35	4.337	0.569	23.33	4.337	0.569	25.68	49.01	2.5E-06	3.3E-07
Mar-07	0.562	0.074	2.87	0.562	0.074	3.98	6.86	4.337	0.569	22.18	4.337	0.569	30.75	52.93	2.5E-06	3.3E-07
Apr-07	0.562	0.074	3.27	0.562	0.074	3.57	6.84	4.337	0.569	25.25	4.337	0.569	27.57	52.82	2.5E-06	3.3E-07
May-07	0.562	0.074	3.15	0.562	0.074	3.44	6.58	4.337	0.569	24.31	4.337	0.569	26.52	50.83	2.5E-06	3.3E-07
Jun-07	0.562	0.074	3.51	0.562	0.074	3.68	7.20	4.337	0.569	27.12	4.337	0.569	28.43	55.55	2.5E-06	3.3E-07
Jul-07	0.562	0.074	2.05	0.562	0.074	3.99	6.04	4.337	0.569	15.81	4.337	0.569	30.80	46.61	2.5E-06	3.3E-07
Aug-07	0.562	0.074	1.60	0.562	0.074	4.12	5.72	4.337	0.569	12.37	4.337	0.569	31.83	44.20	2.5E-06	3.3E-07
Sep-07	0.562	0.074	2.72	0.562	0.074	2.94	5.66	4.337	0.569	21.04	4.337	0.569	22.67	43.70	2.5E-06	3.3E-07
Oct-07	0.562	0.074	3.23	0.562	0.074	3.61	6.84	4.337	0.569	24.92	4.337	0.569	27.90	52.82	2.5E-06	3.3E-07
Nov-07	0.562	0.074	3.60	0.562	0.074	3.58	7.18	4.337	0.569	27.80	4.337	0.569	27.63	55.43	2.5E-06	3.3E-07
Dec-07	0.562	0.074	3.89	0.562	0.074	3.98	7.87	4.337	0.569	30.02	4.337	0.569	30.74	60.76	2.5E-06	3.3E-07
Jan-08	0.562	0.074	3.93	0.562	0.074	3.84	7.77	4.337	0.569	30.34	4.337	0.569	29.61	59.95	2.5E-06	3.3E-07
Feb-08	0.562	0.074	3.70	0.562	0.074	3.57	7.27	4.337	0.569	28.55	4.337	0.569	27.55	56.09	2.5E-06	3.3E-07
Mar-08	0.562	0.074	3.43	0.562	0.074	3.54	6.96	4.337	0.569	26.47	4.337	0.569	27.29	53.77	2.5E-06	3.3E-07
Apr-08	0.562	0.074	3.75	0.562	0.074	3.65	7.39	4.337	0.569	28.94	4.337	0.569	28.14	57.09	2.5E-06	3.3E-07
May-08	0.562	0.074	3.51	0.562	0.074	3.74	7.26	4.337	0.569	27.12	4.337	0.569	28.90	56.02	2.5E-06	3.3E-07
Jun-08	0.562	0.074	3.50	0.562	0.074	3.87	7.38	4.337	0.569	27.06	4.337	0.569	29.89	56.95	2.5E-06	3.3E-07
Jul-08	0.562	0.074	3.71	0.562	0.074	4.10	7.81	4.337	0.569	28.67	4.337	0.569	31.65	60.33	2.5E-06	3.3E-07
Aug-08	0.562	0.074	4.14	0.562	0.074	4.08	8.22	4.337	0.569	31.97	4.337	0.569	31.48	63.45	2.5E-06	3.3E-07
Sep-08	0.562	0.074	3.85	0.562	0.074	0.76	4.61	4.337	0.569	29.73	4.337	0.569	5.88	35.60	2.5E-06	3.3E-07
Oct-08	0.562	0.074	3.01	0.562	0.074	4.05	7.07	4.337	0.569	23.25	4.337	0.569	31.31	54.56	2.5E-06	3.3E-07
Nov-08	0.562	0.074	2.47	0.562	0.074	2.88	5.34	4.337	0.569	19.05	4.337	0.569	22.20	41.25	2.5E-06	3.3E-07
Dec-08	0.562	0.074	1.38	0.562	0.074	3.79	5.17	4.337	0.569	10.64	4.337	0.569	29.30	39.94	2.5E-06	3.3E-07
Jan-09	0.562	0.074	0.00	0.562	0.074	3.95	3.95	4.337	0.569	0.00	4.337	0.569	30.53	30.53	2.5E-06	3.3E-07
Feb-09	0.562	0.074	0.00	0.562	0.074	3.16	3.16	4.337	0.569	0.00	4.337	0.569	24.42	24.42	2.5E-06	3.3E-07
Mar-09	0.562	0.074	0.00	0.562	0.074	3.26	3.26	4.337	0.569	0.00	4.337	0.569	25.20	25.20	2.5E-06	3.3E-07
Apr-09	0.562	0.074	0.00	0.562	0.074	2.48	2.48	4.337	0.569	0.00	4.337	0.569	19.14	19.14	2.5E-06	3.3E-07
May-09	0.000	0.000	0.00	0.000	0.000	0.00	0.00	0.000	0.000	0.00	0.000	0.000	0.00	0.00	0.0E+00	0.0E+00
Jun-09	0.000	0.000	0.00	0.000	0.000	0.00	0.00	0.000	0.000	0.00	0.000	0.000	0.00	0.00	0.0E+00	0.0E+00
Jul-09	0.000	0.000	0.00	0.000	0.000	0.00	0.00	0.000	0.000	0.00	0.000	0.000	0.00	0.00	0.0E+00	0.0E+00
Aug-09	0.000	0.000	0.00	0.000	0.000	0.00	0.00	0.000	0.000	0.00	0.000	0.000	0.00	0.00	0.0E+00	0.0E+00
Sep-09	0.000	0.000	0.00	0.000	0.000	0.00	0.00	0.000	0.000	0.00	0.000	0.000	0.00	0.00	0.0E+00	0.0E+00
Oct-09	0.000	0.000	0.00	0.000	0.000	0.00	0.00	0.000	0.000	0.00	0.000	0.000	0.00	0.00	0.0E+00	0.0E+00

Lookback Period Production Data and Baseline Period Selection

	Kiln 1 CO Emissions			Kiln 2 CO Emissions			Total CO	Kiln 1 NO_X Emissions			Kiln 2 NO_X Emissions			Total NO_X	Kiln 1 Lead Emiss	
	lb/ton	lb/mmBtu	tons	lb/ton	lb/mmBtu	tons	Tons/month	lb/ton	lb/mmBtu	tons	lb/ton	lb/mmBtu	tons	Tons/month	lb/ton	lb/mmBtu
Nov-09	0.000	0.000	0.00	0.000	0.000	0.00	0.00	0.000	0.000	0.00	0.000	0.000	0.00	0.00	0.0E+00	0.0E+00
Dec-09	0.000	0.000	0.00	0.000	0.000	0.00	0.00	0.000	0.000	0.00	0.000	0.000	0.00	0.00	0.0E+00	0.0E+00
Jan-10	0.562	0.074	0.00	0.562	0.074	0.00	0.00	4.337	0.569	0.00	4.337	0.569	0.00	0.00	2.5E-06	3.3E-07
Feb-10	0.562	0.074	0.00	0.562	0.074	0.00	0.00	4.337	0.569	0.00	4.337	0.569	0.00	0.00	2.5E-06	3.3E-07
Mar-10	0.562	0.070	0.00	0.562	0.070	4.09	4.09	4.337	0.539	0.00	4.337	0.539	31.57	31.57	2.5E-06	3.1E-07
Apr-10	0.562	0.074	1.58	0.562	0.074	3.58	5.16	4.337	0.572	12.17	4.337	0.572	27.65	39.82	2.5E-06	3.3E-07
May-10	0.562	0.078	3.67	0.562	0.078	4.14	7.82	4.337	0.603	28.35	4.337	0.603	32.00	60.35	2.5E-06	3.5E-07
Jun-10	0.562	0.075	3.48	0.562	0.075	3.28	6.76	4.337	0.576	26.85	4.337	0.576	25.31	52.16	2.5E-06	3.4E-07
Jul-10	0.562	0.076	4.13	0.562	0.076	4.03	8.16	4.337	0.589	31.87	4.337	0.589	31.15	63.02	2.5E-06	3.4E-07
Aug-10	0.562	0.080	3.40	0.562	0.080	3.57	6.97	4.337	0.619	26.27	4.337	0.619	27.54	53.82	2.5E-06	3.6E-07
Sep-10	0.562	0.075	3.74	0.562	0.075	4.03	7.77	4.337	0.576	28.85	4.337	0.576	31.11	59.96	2.5E-06	3.4E-07
Oct-10	0.562	0.075	0.88	0.562	0.075	4.31	5.19	4.337	0.577	6.78	4.337	0.577	33.26	40.03	2.5E-06	3.4E-07
Nov-10	0.562	0.074	0.00	0.562	0.074	4.48	4.48	4.337	0.575	0.00	4.337	0.575	34.59	34.59	2.5E-06	3.3E-07
Dec-10	0.562	0.070	0.00	0.562	0.070	4.22	4.22	4.337	0.538	0.00	4.337	0.538	32.56	32.56	2.5E-06	3.1E-07
Jan-11	0.562	0.067	0.00	0.562	0.067	4.41	4.41	4.337	0.515	0.00	4.337	0.515	34.04	34.04	2.5E-06	3.0E-07
Feb-11	0.562	0.073	2.22	0.562	0.073	3.66	5.88	4.337	0.564	17.14	4.337	0.564	28.29	45.42	2.5E-06	3.3E-07
Mar-11	0.562	0.070	2.36	0.562	0.070	3.98	6.34	4.337	0.541	18.25	4.337	0.541	30.72	48.97	2.5E-06	3.1E-07
Apr-11	0.562	0.078	3.61	0.562	0.078	2.76	6.37	4.337	0.601	27.84	4.337	0.601	21.33	49.16	2.5E-06	3.5E-07
May-11	0.562	0.074	3.88	0.562	0.074	3.84	7.73	4.337	0.569	29.99	4.337	0.569	29.67	59.65	2.5E-06	3.3E-07
Jun-11	0.562	0.075	2.85	0.562	0.075	3.60	6.44	4.337	0.582	21.98	4.337	0.582	27.77	49.76	2.5E-06	3.4E-07
Jul-11	0.562	0.071	3.17	0.562	0.071	3.30	6.46	4.337	0.546	24.45	4.337	0.546	25.46	49.91	2.5E-06	3.2E-07
Aug-11	0.562	0.072	3.90	0.562	0.072	3.12	7.02	4.337	0.555	30.11	4.337	0.555	24.06	54.17	2.5E-06	3.2E-07
Sep-11	0.562	0.074	3.64	0.562	0.074	2.75	6.40	4.337	0.572	28.14	4.337	0.572	21.27	49.41	2.5E-06	3.3E-07
Oct-11	0.562	0.070	3.36	0.562	0.070	1.07	4.43	4.337	0.542	25.93	4.337	0.542	8.24	34.17	2.5E-06	3.2E-07
Nov-11	0.562	0.075	3.96	0.562	0.075	2.29	6.25	4.337	0.580	30.56	4.337	0.580	17.66	48.23	2.5E-06	3.4E-07
Dec-11	0.562	0.075	3.54	0.562	0.075	3.70	7.24	4.337	0.580	27.32	4.337	0.580	28.57	55.89	2.5E-06	3.4E-07
Jan-12	0.562	0.074	3.33	0.562	0.074	3.90	7.24	4.337	0.570	25.75	4.337	0.570	30.14	55.89	2.5E-06	3.3E-07
Feb-12	0.562	0.074	2.81	0.562	0.074	3.54	6.35	4.337	0.569	21.69	4.337	0.569	27.36	49.05	2.5E-06	3.3E-07
Mar-12	0.562	0.076	0.00	0.562	0.076	4.31	4.31	4.337	0.588	0.00	4.337	0.588	33.28	33.28	2.5E-06	3.4E-07
Apr-12	0.562	0.072	1.94	0.562	0.072	4.34	6.27	4.337	0.554	14.96	4.337	0.554	33.49	48.45	2.5E-06	3.2E-07
May-12	0.562	0.077	3.58	0.562	0.077	3.88	7.45	4.337	0.596	27.61	4.337	0.596	29.93	57.55	2.5E-06	3.5E-07
Jun-12	0.635	0.079	1.97	0.635	0.079	4.14	6.11	4.329	0.539	13.44	4.329	0.539	28.22	41.66	3.8E-05	4.7E-06
Jul-12	0.619	0.080	3.67	0.619	0.080	4.20	7.86	4.331	0.559	25.62	4.331	0.559	29.34	54.96	3.0E-05	3.9E-06
Aug-12	0.604	0.080	3.77	0.604	0.080	3.94	7.71	4.333	0.574	27.06	4.333	0.574	28.25	55.31	2.3E-05	3.0E-06

Lookback Period Production Data and Baseline Period Selection

	Kiln 1 CO Emissions			Kiln 2 CO Emissions			Total CO
	lb/ton	lb/mmBtu	tons	lb/ton	lb/mmBtu	tons	Tons/month
Sep-12	0.602	0.076	3.66	0.602	0.076	3.61	7.27
Oct-12	0.577	0.077	3.77	0.577	0.077	0.99	4.76
Nov-12	0.562	0.072	3.14	0.562	0.072	3.53	6.67
Dec-12	0.562	0.080	3.28	0.562	0.080	3.62	6.90
Jan-13	0.562	0.076	3.62	0.562	0.076	3.89	7.50
Feb-13	0.562	0.071	1.22	0.562	0.071	3.88	5.11
Mar-13	0.562	0.072	3.62	0.562	0.072	3.87	7.49
Apr-13	0.562	0.077	3.43	0.562	0.077	3.53	6.97
May-13	0.562	0.073	3.82	0.562	0.073	4.00	7.82
Jun-13	0.562	0.074	3.50	0.562	0.074	3.68	7.17
Jul-13	0.562	0.072	3.50	0.562	0.072	3.59	7.10
Aug-13	0.562	0.072	3.50	0.562	0.072	3.37	6.87
Sep-13	0.562	0.073	3.77	0.562	0.073	3.44	7.20
Oct-13	0.562	0.074	3.85	0.562	0.074	3.70	7.55
Nov-13	0.562	0.068	1.29	0.562	0.068	3.56	4.85
Dec-13	0.562	0.075	3.39	0.562	0.075	3.87	7.27
Jan-14	0.562	0.071	3.11	0.562	0.071	3.41	6.52
Feb-14	0.562	0.071	3.03	0.562	0.071	3.05	6.08
Mar-14	0.562	0.069	3.83	0.562	0.069	1.90	5.73
Apr-14	0.562	0.072	2.87	0.562	0.072	3.39	6.26
May-14	0.562	0.076	3.50	0.562	0.076	3.70	7.20
Jun-14	0.562	0.075	2.45	0.562	0.075	4.10	6.55
Jul-14	0.562	0.073	3.85	0.562	0.073	3.86	7.71
Aug-14	0.562	0.075	3.68	0.562	0.075	3.91	7.59
Sep-14	0.562	0.076	3.99	0.562	0.076	4.11	8.10
Oct-14	0.562	0.074	3.87	0.562	0.074	3.84	7.71
Nov-14	0.562	0.073	3.94	0.562	0.073	3.42	7.36
Dec-14	0.562	0.072	3.66	0.562	0.072	3.82	7.48
Jan-15	0.562	0.075	3.66	0.562	0.075	3.78	7.45
Feb-15	0.562	0.074	3.19	0.562	0.074	3.35	6.53
Mar-15	0.562	0.072	2.92	0.562	0.072	3.21	6.13
Apr-15	0.562	0.068	1.67	0.562	0.068	3.86	5.54
May-15	0.562	0.073	3.87	0.562	0.073	3.74	7.61
Jun-15	0.562	0.074	3.32	0.562	0.074	3.38	6.71

	Kiln 1 NO_X Emissions			Kiln 2 NO_X Emissions			Total NO_X	Kiln 1 Lead Emiss	
	lb/ton	lb/mmBtu	tons	lb/ton	lb/mmBtu	tons	Tons/month	lb/ton	lb/mmBtu
Sep-12	4.333	0.545	26.36	4.333	0.545	25.95	52.31	2.2E-05	2.8E-06
Oct-12	4.336	0.576	28.33	4.336	0.576	7.43	35.76	1.0E-05	1.3E-06
Nov-12	4.337	0.554	24.25	4.337	0.554	27.28	51.53	2.5E-06	3.2E-07
Dec-12	4.337	0.616	25.29	4.337	0.616	27.97	53.26	2.5E-06	3.6E-07
Jan-13	4.337	0.589	27.94	4.337	0.589	30.00	57.94	2.5E-06	3.4E-07
Feb-13	4.337	0.547	9.44	4.337	0.547	29.98	39.42	2.5E-06	3.2E-07
Mar-13	4.337	0.560	27.96	4.337	0.560	29.87	57.83	2.5E-06	3.3E-07
Apr-13	4.337	0.594	26.51	4.337	0.594	27.29	53.80	2.5E-06	3.5E-07
May-13	4.337	0.567	29.49	4.337	0.567	30.87	60.36	2.5E-06	3.3E-07
Jun-13	4.337	0.573	27.00	4.337	0.573	28.39	55.38	2.5E-06	3.3E-07
Jul-13	4.337	0.554	27.05	4.337	0.554	27.73	54.78	2.5E-06	3.2E-07
Aug-13	4.337	0.560	27.04	4.337	0.560	26.01	53.04	2.5E-06	3.3E-07
Sep-13	4.337	0.567	29.07	4.337	0.567	26.54	55.61	2.5E-06	3.3E-07
Oct-13	4.337	0.575	29.74	4.337	0.575	28.57	58.31	2.5E-06	3.3E-07
Nov-13	4.337	0.526	9.97	4.337	0.526	27.47	37.44	2.5E-06	3.1E-07
Dec-13	4.337	0.578	26.21	4.337	0.578	29.90	56.11	2.5E-06	3.4E-07
Jan-14	4.337	0.546	24.03	4.337	0.546	26.33	50.36	2.5E-06	3.2E-07
Feb-14	4.337	0.550	23.40	4.337	0.550	23.52	46.93	2.5E-06	3.2E-07
Mar-14	4.337	0.535	29.58	4.337	0.535	14.70	44.27	2.5E-06	3.1E-07
Apr-14	4.337	0.554	22.18	4.337	0.554	26.18	48.36	2.5E-06	3.2E-07
May-14	4.337	0.585	26.99	4.337	0.585	28.59	55.58	2.5E-06	3.4E-07
Jun-14	4.337	0.579	18.92	4.337	0.579	31.62	50.54	2.5E-06	3.4E-07
Jul-14	4.337	0.566	29.72	4.337	0.566	29.81	59.53	2.5E-06	3.3E-07
Aug-14	4.337	0.576	28.41	4.337	0.576	30.16	58.57	2.5E-06	3.4E-07
Sep-14	4.337	0.588	30.84	4.337	0.588	31.73	62.57	2.5E-06	3.4E-07
Oct-14	4.337	0.569	29.86	4.337	0.569	29.67	59.53	2.5E-06	3.3E-07
Nov-14	4.337	0.565	30.42	4.337	0.565	26.44	56.86	2.5E-06	3.3E-07
Dec-14	4.337	0.553	28.23	4.337	0.553	29.49	57.73	2.5E-06	3.2E-07
Jan-15	4.337	0.581	28.29	4.337	0.581	29.22	57.51	2.5E-06	3.4E-07
Feb-15	4.337	0.571	24.60	4.337	0.571	25.85	50.45	2.5E-06	3.3E-07
Mar-15	4.337	0.554	22.57	4.337	0.554	24.79	47.36	2.5E-06	3.2E-07
Apr-15	4.337	0.522	12.93	4.337	0.522	29.83	42.75	2.5E-06	3.0E-07
May-15	4.337	0.560	29.91	4.337	0.560	28.84	58.75	2.5E-06	3.3E-07
Jun-15	4.337	0.574	25.66	4.337	0.574	26.13	51.79	2.5E-06	3.3E-07

Lookback Period Production Data and Baseline Period Selection

	Kiln 1 CO Emissions			Kiln 2 CO Emissions			Total CO	Kiln 1 NO_X Emissions			Kiln 2 NO_X Emissions			Total NO_X	Kiln 1 Lead Emiss	
	lb/ton	lb/mmBtu	tons	lb/ton	lb/mmBtu	tons	Tons/month	lb/ton	lb/mmBtu	tons	lb/ton	lb/mmBtu	tons	Tons/month	lb/ton	lb/mmBtu
Jul-15	0.562	0.075	3.27	0.562	0.075	3.30	6.58	4.337	0.577	25.28	4.337	0.577	25.51	50.79	2.5E-06	3.4E-07
Aug-15	0.562	0.076	3.54	0.562	0.076	3.61	7.14	4.337	0.586	27.31	4.337	0.586	27.83	55.14	2.5E-06	3.4E-07
Sep-15	0.562	0.072	3.49	0.562	0.072	1.36	4.84	4.337	0.557	26.92	4.337	0.557	10.49	37.41	2.5E-06	3.2E-07
Oct-15	0.562	0.073	2.54	0.562	0.073	2.91	5.44	4.337	0.564	19.58	4.337	0.564	22.45	42.03	2.5E-06	3.3E-07
Nov-15	0.562	0.069	0.90	0.562	0.069	3.98	4.88	4.337	0.537	6.94	4.337	0.537	30.74	37.68	2.5E-06	3.1E-07
Dec-15	0.562	0.074	3.83	0.562	0.074	3.73	7.56	4.337	0.574	29.55	4.337	0.574	28.82	58.37	2.5E-06	3.3E-07
Jan-16	0.562	0.076	3.06	0.562	0.076	3.60	6.67	4.337	0.585	23.66	4.337	0.585	27.82	51.48	2.5E-06	3.4E-07
Feb-16	0.562	0.077	2.87	0.562	0.077	3.03	5.90	4.337	0.597	22.18	4.337	0.597	23.36	45.54	2.5E-06	3.5E-07
Mar-16	0.562	0.079	3.43	0.562	0.079	3.25	6.69	4.337	0.611	26.50	4.337	0.611	25.12	51.62	2.5E-06	3.6E-07
Apr-16	0.562	0.075	3.47	0.562	0.075	3.47	6.94	4.337	0.576	26.77	4.337	0.576	26.82	53.60	2.5E-06	3.4E-07
May-16	0.562	0.074	4.08	0.562	0.074	4.12	8.20	4.337	0.568	31.51	4.337	0.568	31.77	63.28	2.5E-06	3.3E-07
Jun-16	0.562	0.074	2.38	0.562	0.074	3.60	5.98	4.337	0.571	18.35	4.337	0.571	27.82	46.17	2.5E-06	3.3E-07
Jul-16	0.562	0.075	0.66	0.562	0.075	4.26	4.93	4.337	0.582	5.12	4.337	0.582	32.92	38.04	2.5E-06	3.4E-07
Aug-16	0.562	0.072	3.29	0.562	0.072	3.13	6.42	4.337	0.558	25.39	4.337	0.558	24.19	49.59	2.5E-06	3.2E-07
Sep-16	0.562	0.073	3.40	0.562	0.073	3.46	6.86	4.337	0.560	26.28	4.337	0.560	26.70	52.99	2.5E-06	3.3E-07
Oct-16	0.562	0.076	3.41	0.562	0.076	0.73	4.14	4.337	0.587	26.34	4.337	0.587	5.62	31.96	2.5E-06	3.4E-07
Nov-16	0.562	0.072	3.68	0.562	0.072	3.56	7.24	4.337	0.556	28.43	4.337	0.556	27.49	55.92	2.5E-06	3.2E-07
Dec-16	0.562	0.074	3.64	0.562	0.074	3.81	7.45	4.337	0.572	28.11	4.337	0.572	29.39	57.50	2.5E-06	3.3E-07
Jan-17																
Feb-17																
Mar-17																
Apr-17																
May-17																
Jun-17																
Jul-17																
Aug-17																
Sep-17																
Oct-17																
Nov-17																
Dec-17																
Jan-18																
Feb-18																
Mar-18																
Apr-18																

Lookback Period Production Data and Baseline Period Selection

	Kiln 1 CO Emissions			Kiln 2 CO Emissions			Total CO	Kiln 1 NO_X Emissions			Kiln 2 NO_X Emissions			Total NO_X	Kiln 1 Lead Emiss	
	lb/ton	lb/mmBtu	tons	lb/ton	lb/mmBtu	tons	Tons/month	lb/ton	lb/mmBtu	tons	lb/ton	lb/mmBtu	tons	Tons/month	lb/ton	lb/mmBtu
May-18																
Jun-18																
Jul-18																
Aug-18																
Sep-18																
Oct-18																
Nov-18																
Dec-18																
Jan-19																
Feb-19																
Mar-19																
Apr-19																
May-19																
Jun-19																
Jul-19																
Aug-19																
Sep-19																
Oct-19																
Nov-19																
Dec-19																
Jan-20																
Feb-20																
Mar-20																
Apr-20																
May-20																
Jun-20																
Jul-20																
Aug-20																
Sep-20																
Oct-20																
Nov-20																
Dec-20																
Jan-21																
Feb-21																

Lookback Period Production Data and Baseline Period Selection

	Kiln 1 CO Emissions			Kiln 2 CO Emissions			Total CO	Kiln 1 NO_X Emissions			Kiln 2 NO_X Emissions			Total NO_X	Kiln 1 Lead Emiss	
	lb/ton	lb/mmBtu	tons	lb/ton	lb/mmBtu	tons	Tons/month	lb/ton	lb/mmBtu	tons	lb/ton	lb/mmBtu	tons	Tons/month	lb/ton	lb/mmBtu
Mar-21																
Apr-21																
May-21																
Jun-21																
Jul-21																
Aug-21																
Sep-21																
Oct-21																
Nov-21																
Dec-21																

Lookback Period Production Data and Baseline Period Selection

	ions	Kiln 2 Lead Emissions			Total Lead	Kiln 1 THC Emissions			Kiln 2 THC Emissions			Total THC	Kiln 1 SO_2 Emissions			Kiln
	tons	lb/ton	lb/mmBtu	tons	Tons/month	lb/ton	lb/mmBtu	tons	lb/ton	lb/mmBtu	tons	Tons/month	lb/ton	lb/mmBtu	tons	lb/ton
Jan-07	1.3E-05	2.5E-06	3.3E-07	1.7E-05	3.0E-05	0.022	0.003	0.12	0.022	0.003	0.14	0.26	1.39	0.182	7.41	4.00
Feb-07	1.4E-05	2.5E-06	3.3E-07	1.5E-05	2.9E-05	0.022	0.003	0.12	0.022	0.003	0.13	0.24	1.39	0.182	7.48	4.00
Mar-07	1.3E-05	2.5E-06	3.3E-07	1.8E-05	3.1E-05	0.022	0.003	0.11	0.022	0.003	0.15	0.26	1.39	0.182	7.11	4.00
Apr-07	1.5E-05	2.5E-06	3.3E-07	1.6E-05	3.1E-05	0.022	0.003	0.13	0.022	0.003	0.14	0.26	1.39	0.182	8.09	4.00
May-07	1.4E-05	2.5E-06	3.3E-07	1.5E-05	3.0E-05	0.022	0.003	0.12	0.022	0.003	0.13	0.25	1.39	0.182	7.79	4.00
Jun-07	1.6E-05	2.5E-06	3.3E-07	1.7E-05	3.2E-05	0.022	0.003	0.14	0.022	0.003	0.14	0.28	1.39	0.182	8.69	4.00
Jul-07	9.2E-06	2.5E-06	3.3E-07	1.8E-05	2.7E-05	0.022	0.003	0.08	0.022	0.003	0.15	0.23	1.39	0.182	5.07	4.00
Aug-07	7.2E-06	2.5E-06	3.3E-07	1.9E-05	2.6E-05	0.022	0.003	0.06	0.022	0.003	0.16	0.22	1.39	0.182	3.96	4.00
Sep-07	1.2E-05	2.5E-06	3.3E-07	1.3E-05	2.5E-05	0.022	0.003	0.10	0.022	0.003	0.11	0.22	1.39	0.182	6.74	4.00
Oct-07	1.4E-05	2.5E-06	3.3E-07	1.6E-05	3.1E-05	0.022	0.003	0.12	0.022	0.003	0.14	0.26	1.39	0.182	7.99	4.00
Nov-07	1.6E-05	2.5E-06	3.3E-07	1.6E-05	3.2E-05	0.022	0.003	0.14	0.022	0.003	0.14	0.28	1.39	0.182	8.91	4.00
Dec-07	1.7E-05	2.5E-06	3.3E-07	1.8E-05	3.5E-05	0.022	0.003	0.15	0.022	0.003	0.15	0.30	1.39	0.182	9.62	4.00
Jan-08	1.8E-05	2.5E-06	3.3E-07	1.7E-05	3.5E-05	0.022	0.003	0.15	0.022	0.003	0.15	0.30	1.39	0.182	9.72	4.00
Feb-08	1.7E-05	2.5E-06	3.3E-07	1.6E-05	3.3E-05	0.022	0.003	0.14	0.022	0.003	0.14	0.28	1.39	0.182	9.15	4.00
Mar-08	1.5E-05	2.5E-06	3.3E-07	1.6E-05	3.1E-05	0.022	0.003	0.13	0.022	0.003	0.14	0.27	1.39	0.182	8.48	4.00
Apr-08	1.7E-05	2.5E-06	3.3E-07	1.6E-05	3.3E-05	0.022	0.003	0.14	0.022	0.003	0.14	0.28	1.39	0.182	9.28	4.00
May-08	1.6E-05	2.5E-06	3.3E-07	1.7E-05	3.3E-05	0.022	0.003	0.14	0.022	0.003	0.14	0.28	1.39	0.182	8.69	4.00
Jun-08	1.6E-05	2.5E-06	3.3E-07	1.7E-05	3.3E-05	0.022	0.003	0.13	0.022	0.003	0.15	0.28	1.39	0.182	8.67	4.00
Jul-08	1.7E-05	2.5E-06	3.3E-07	1.8E-05	3.5E-05	0.022	0.003	0.14	0.022	0.003	0.16	0.30	1.39	0.182	9.19	4.00
Aug-08	1.9E-05	2.5E-06	3.3E-07	1.8E-05	3.7E-05	0.022	0.003	0.16	0.022	0.003	0.16	0.32	1.39	0.182	10.25	4.00
Sep-08	1.7E-05	2.5E-06	3.3E-07	3.4E-06	2.1E-05	0.022	0.003	0.15	0.022	0.003	0.03	0.18	1.39	0.182	9.53	4.00
Oct-08	1.4E-05	2.5E-06	3.3E-07	1.8E-05	3.2E-05	0.022	0.003	0.12	0.022	0.003	0.16	0.27	1.39	0.182	7.45	4.00
Nov-08	1.1E-05	2.5E-06	3.3E-07	1.3E-05	2.4E-05	0.022	0.003	0.09	0.022	0.003	0.11	0.21	1.39	0.182	6.10	4.00
Dec-08	6.2E-06	2.5E-06	3.3E-07	1.7E-05	2.3E-05	0.022	0.003	0.05	0.022	0.003	0.15	0.20	1.39	0.182	3.41	4.00
Jan-09	0.0E+00	2.5E-06	3.3E-07	1.8E-05	1.8E-05	0.022	0.003	0.00	0.022	0.003	0.15	0.15	1.39	0.182	0.00	4.00
Feb-09	0.0E+00	2.5E-06	3.3E-07	1.4E-05	1.4E-05	0.022	0.003	0.00	0.022	0.003	0.12	0.12	1.39	0.182	0.00	4.00
Mar-09	0.0E+00	2.5E-06	3.3E-07	1.5E-05	1.5E-05	0.022	0.003	0.00	0.022	0.003	0.13	0.13	1.39	0.182	0.00	4.00
Apr-09	0.0E+00	2.5E-06	3.3E-07	1.1E-05	1.1E-05	0.022	0.003	0.00	0.022	0.003	0.10	0.10	1.39	0.182	0.00	4.00
May-09	0.0E+00	0.0E+00	0.0E+00	0.0E+00	0.0E+00	0.000	0.000	0.00	0.000	0.000	0.00	0.00	0.00	0.000	0.00	0.00
Jun-09	0.0E+00	0.0E+00	0.0E+00	0.0E+00	0.0E+00	0.000	0.000	0.00	0.000	0.000	0.00	0.00	0.00	0.000	0.00	0.00
Jul-09	0.0E+00	0.0E+00	0.0E+00	0.0E+00	0.0E+00	0.000	0.000	0.00	0.000	0.000	0.00	0.00	0.00	0.000	0.00	0.00
Aug-09	0.0E+00	0.0E+00	0.0E+00	0.0E+00	0.0E+00	0.000	0.000	0.00	0.000	0.000	0.00	0.00	0.00	0.000	0.00	0.00
Sep-09	0.0E+00	0.0E+00	0.0E+00	0.0E+00	0.0E+00	0.000	0.000	0.00	0.000	0.000	0.00	0.00	0.00	0.000	0.00	0.00
Oct-09	0.0E+00	0.0E+00	0.0E+00	0.0E+00	0.0E+00	0.000	0.000	0.00	0.000	0.000	0.00	0.00	0.00	0.000	0.00	0.00

Lookback Period Production Data and Baseline Period Selection

	ions	Kiln 2 Lead Emissions			Total Lead	Kiln 1 THC Emissions			Kiln 2 THC Emissions			Total THC	Kiln 1 SO_2 Emissions			Kiln
	tons	lb/ton	lb/mmBtu	tons	Tons/month	lb/ton	lb/mmBtu	tons	lb/ton	lb/mmBtu	tons	Tons/month	lb/ton	lb/mmBtu	tons	lb/ton
Nov-09	0.0E+00	0.0E+00	0.0E+00	0.0E+00	0.0E+00	0.000	0.000	0.00	0.000	0.000	0.00	0.00	0.00	0.000	0.00	0.00
Dec-09	0.0E+00	0.0E+00	0.0E+00	0.0E+00	0.0E+00	0.000	0.000	0.00	0.000	0.000	0.00	0.00	0.00	0.000	0.00	0.00
Jan-10	0.0E+00	2.5E-06	3.3E-07	0.0E+00	0.0E+00	0.022	0.003	0.00	0.022	0.003	0.00	0.00	1.39	0.182	0.00	4.00
Feb-10	0.0E+00	2.5E-06	3.3E-07	0.0E+00	0.0E+00	0.022	0.003	0.00	0.022	0.003	0.00	0.00	1.39	0.182	0.00	4.00
Mar-10	0.0E+00	2.5E-06	3.1E-07	1.8E-05	1.8E-05	0.022	0.003	0.00	0.022	0.003	0.16	0.16	1.39	0.173	0.00	4.00
Apr-10	7.1E-06	2.5E-06	3.3E-07	1.6E-05	2.3E-05	0.022	0.003	0.06	0.022	0.003	0.14	0.20	1.39	0.183	3.90	4.00
May-10	1.6E-05	2.5E-06	3.5E-07	1.9E-05	3.5E-05	0.022	0.003	0.14	0.022	0.003	0.16	0.30	1.39	0.193	9.08	4.00
Jun-10	1.6E-05	2.5E-06	3.4E-07	1.5E-05	3.0E-05	0.022	0.003	0.13	0.022	0.003	0.13	0.26	1.39	0.185	8.60	4.00
Jul-10	1.9E-05	2.5E-06	3.4E-07	1.8E-05	3.7E-05	0.022	0.003	0.16	0.022	0.003	0.16	0.31	3.317	0.450	24.37	4.689
Aug-10	1.5E-05	2.5E-06	3.6E-07	1.6E-05	3.1E-05	0.022	0.003	0.13	0.022	0.003	0.14	0.27	3.317	0.473	20.09	4.689
Sep-10	1.7E-05	2.5E-06	3.4E-07	1.8E-05	3.5E-05	0.022	0.003	0.14	0.022	0.003	0.16	0.30	3.317	0.441	22.06	4.689
Oct-10	3.9E-06	2.5E-06	3.4E-07	1.9E-05	2.3E-05	0.022	0.003	0.03	0.022	0.003	0.17	0.20	3.317	0.441	5.18	4.689
Nov-10	0.0E+00	2.5E-06	3.3E-07	2.0E-05	2.0E-05	0.022	0.003	0.00	0.022	0.003	0.17	0.17	3.317	0.440	0.00	4.689
Dec-10	0.0E+00	2.5E-06	3.1E-07	1.9E-05	1.9E-05	0.022	0.003	0.00	0.022	0.003	0.16	0.16	3.317	0.411	0.00	4.689
Jan-11	0.0E+00	2.5E-06	3.0E-07	2.0E-05	2.0E-05	0.022	0.003	0.00	0.022	0.003	0.17	0.17	3.317	0.394	0.00	4.689
Feb-11	1.0E-05	2.5E-06	3.3E-07	1.6E-05	2.6E-05	0.022	0.003	0.09	0.022	0.003	0.14	0.23	3.317	0.432	13.10	4.689
Mar-11	1.1E-05	2.5E-06	3.1E-07	1.8E-05	2.8E-05	0.022	0.003	0.09	0.022	0.003	0.15	0.24	3.317	0.414	13.96	4.689
Apr-11	1.6E-05	2.5E-06	3.5E-07	1.2E-05	2.9E-05	0.022	0.003	0.14	0.022	0.003	0.11	0.25	3.317	0.460	21.29	4.689
May-11	1.7E-05	2.5E-06	3.3E-07	1.7E-05	3.5E-05	0.022	0.003	0.15	0.022	0.003	0.15	0.30	3.317	0.435	22.93	4.689
Jun-11	1.3E-05	2.5E-06	3.4E-07	1.6E-05	2.9E-05	0.022	0.003	0.11	0.022	0.003	0.14	0.25	3.317	0.445	16.81	4.689
Jul-11	1.4E-05	2.5E-06	3.2E-07	1.5E-05	2.9E-05	0.022	0.003	0.12	0.022	0.003	0.13	0.25	3.317	0.418	18.70	4.689
Aug-11	1.8E-05	2.5E-06	3.2E-07	1.4E-05	3.2E-05	0.022	0.003	0.15	0.022	0.003	0.12	0.27	3.317	0.425	23.03	4.689
Sep-11	1.6E-05	2.5E-06	3.3E-07	1.2E-05	2.9E-05	0.022	0.003	0.14	0.022	0.003	0.11	0.25	3.317	0.437	21.52	4.689
Oct-11	1.5E-05	2.5E-06	3.2E-07	4.8E-06	2.0E-05	0.022	0.003	0.13	0.022	0.003	0.04	0.17	4.874	0.609	29.13	3.783
Nov-11	1.8E-05	2.5E-06	3.4E-07	1.0E-05	2.8E-05	0.022	0.003	0.15	0.022	0.003	0.09	0.24	4.874	0.651	34.34	3.783
Dec-11	1.6E-05	2.5E-06	3.4E-07	1.7E-05	3.3E-05	0.022	0.003	0.14	0.022	0.003	0.14	0.28	4.874	0.652	30.70	3.783
Jan-12	1.5E-05	2.5E-06	3.3E-07	1.8E-05	3.3E-05	0.022	0.003	0.13	0.022	0.003	0.15	0.28	4.874	0.641	28.93	3.783
Feb-12	1.3E-05	2.5E-06	3.3E-07	1.6E-05	2.9E-05	0.022	0.003	0.11	0.022	0.003	0.14	0.24	4.874	0.639	24.37	3.783
Mar-12	0.0E+00	2.5E-06	3.4E-07	1.9E-05	1.9E-05	0.022	0.003	0.00	0.022	0.003	0.17	0.17	4.874	0.660	0.00	3.783
Apr-12	8.7E-06	2.5E-06	3.2E-07	1.9E-05	2.8E-05	0.022	0.003	0.07	0.022	0.003	0.17	0.24	4.874	0.623	16.81	3.783
May-12	1.6E-05	2.5E-06	3.5E-07	1.7E-05	3.3E-05	0.022	0.003	0.14	0.022	0.003	0.15	0.29	4.874	0.670	31.03	3.783
Jun-12	1.2E-04	3.8E-05	4.7E-06	2.5E-04	3.6E-04	0.020	0.003	0.06	0.020	0.003	0.13	0.19	4.767	0.594	14.80	3.752
Jul-12	1.8E-04	3.0E-05	3.9E-06	2.0E-04	3.8E-04	0.020	0.003	0.12	0.020	0.003	0.14	0.26	4.790	0.618	28.34	3.759
Aug-12	1.4E-04	2.3E-05	3.0E-06	1.5E-04	2.9E-04	0.021	0.003	0.13	0.021	0.003	0.14	0.26	4.812	0.637	30.06	3.765

Lookback Period Production Data and Baseline Period Selection

	ions	Kiln 2 Lead Emissions			Total Lead	Kiln 1 THC Emissions			Kiln 2 THC Emissions			Total THC	Kiln 1 SO_2 Emissions			Kiln
	tons	lb/ton	lb/mmBtu	tons	Tons/month	lb/ton	lb/mmBtu	tons	lb/ton	lb/mmBtu	tons	Tons/month	lb/ton	lb/mmBtu	tons	lb/ton
Sep-12	1.3E-04	2.2E-05	2.8E-06	1.3E-04	2.6E-04	0.021	0.003	0.13	0.021	0.003	0.12	0.25	4.815	0.606	29.29	3.766
Oct-12	6.6E-05	1.0E-05	1.3E-06	1.7E-05	8.3E-05	0.021	0.003	0.14	0.021	0.003	0.04	0.18	4.851	0.644	31.70	3.777
Nov-12	1.4E-05	2.5E-06	3.2E-07	1.6E-05	3.0E-05	0.022	0.003	0.12	0.022	0.003	0.14	0.26	5.452	0.697	30.47	4.858
Dec-12	1.5E-05	2.5E-06	3.6E-07	1.6E-05	3.1E-05	0.022	0.003	0.13	0.022	0.003	0.14	0.27	5.452	0.774	31.78	4.858
Jan-13	1.6E-05	2.5E-06	3.4E-07	1.7E-05	3.4E-05	0.022	0.003	0.14	0.022	0.003	0.15	0.29	5.452	0.740	35.12	4.858
Feb-13	5.5E-06	2.5E-06	3.2E-07	1.7E-05	2.3E-05	0.022	0.003	0.05	0.022	0.003	0.15	0.20	5.452	0.688	11.86	4.858
Mar-13	1.6E-05	2.5E-06	3.3E-07	1.7E-05	3.4E-05	0.022	0.003	0.14	0.022	0.003	0.15	0.29	5.452	0.703	35.14	4.858
Apr-13	1.5E-05	2.5E-06	3.5E-07	1.6E-05	3.1E-05	0.022	0.003	0.13	0.022	0.003	0.14	0.27	5.452	0.747	33.33	4.858
May-13	1.7E-05	2.5E-06	3.3E-07	1.8E-05	3.5E-05	0.022	0.003	0.15	0.022	0.003	0.15	0.30	5.452	0.713	37.07	4.858
Jun-13	1.6E-05	2.5E-06	3.3E-07	1.7E-05	3.2E-05	0.022	0.003	0.13	0.022	0.003	0.14	0.28	5.452	0.720	33.93	4.858
Jul-13	1.6E-05	2.5E-06	3.2E-07	1.6E-05	3.2E-05	0.022	0.003	0.13	0.022	0.003	0.14	0.27	5.452	0.697	33.99	4.858
Aug-13	1.6E-05	2.5E-06	3.3E-07	1.5E-05	3.1E-05	0.022	0.003	0.13	0.022	0.003	0.13	0.26	5.452	0.703	33.98	4.858
Sep-13	1.7E-05	2.5E-06	3.3E-07	1.5E-05	3.2E-05	0.022	0.003	0.14	0.022	0.003	0.13	0.28	5.452	0.712	36.54	4.858
Oct-13	1.7E-05	2.5E-06	3.3E-07	1.7E-05	3.4E-05	0.022	0.003	0.15	0.022	0.003	0.14	0.29	5.452	0.723	37.38	4.858
Nov-13	5.8E-06	2.5E-06	3.1E-07	1.6E-05	2.2E-05	0.022	0.003	0.05	0.022	0.003	0.14	0.19	5.452	0.662	12.53	4.858
Dec-13	1.5E-05	2.5E-06	3.4E-07	1.7E-05	3.3E-05	0.022	0.003	0.13	0.022	0.003	0.15	0.28	5.452	0.727	32.94	4.858
Jan-14	1.4E-05	2.5E-06	3.2E-07	1.5E-05	2.9E-05	0.022	0.003	0.12	0.022	0.003	0.13	0.25	5.452	0.686	30.20	4.858
Feb-14	1.4E-05	2.5E-06	3.2E-07	1.4E-05	2.7E-05	0.022	0.003	0.12	0.022	0.003	0.12	0.23	5.452	0.691	29.41	4.858
Mar-14	1.7E-05	2.5E-06	3.1E-07	8.5E-06	2.6E-05	0.022	0.003	0.15	0.022	0.003	0.07	0.22	5.452	0.673	37.17	4.858
Apr-14	1.3E-05	2.5E-06	3.2E-07	1.5E-05	2.8E-05	0.022	0.003	0.11	0.022	0.003	0.13	0.24	5.452	0.696	27.88	4.858
May-14	1.6E-05	2.5E-06	3.4E-07	1.7E-05	3.2E-05	0.022	0.003	0.13	0.022	0.003	0.14	0.28	5.452	0.736	33.92	4.858
Jun-14	1.1E-05	2.5E-06	3.4E-07	1.8E-05	2.9E-05	0.022	0.003	0.09	0.022	0.003	0.16	0.25	5.452	0.728	23.78	4.858
Jul-14	1.7E-05	2.5E-06	3.3E-07	1.7E-05	3.5E-05	0.022	0.003	0.15	0.022	0.003	0.15	0.30	5.452	0.712	37.36	4.858
Aug-14	1.7E-05	2.5E-06	3.4E-07	1.8E-05	3.4E-05	0.022	0.003	0.14	0.022	0.003	0.15	0.29	5.452	0.725	35.70	4.858
Sep-14	1.8E-05	2.5E-06	3.4E-07	1.8E-05	3.6E-05	0.022	0.003	0.15	0.022	0.003	0.16	0.31	5.452	0.739	38.76	4.858
Oct-14	1.7E-05	2.5E-06	3.3E-07	1.7E-05	3.5E-05	0.022	0.003	0.15	0.022	0.003	0.15	0.30	5.452	0.715	37.53	4.858
Nov-14	1.8E-05	2.5E-06	3.3E-07	1.5E-05	3.3E-05	0.022	0.003	0.15	0.022	0.003	0.13	0.28	5.452	0.710	38.24	4.858
Dec-14	1.6E-05	2.5E-06	3.2E-07	1.7E-05	3.4E-05	0.022	0.003	0.14	0.022	0.003	0.15	0.29	5.452	0.695	35.49	4.858
Jan-15	1.6E-05	2.5E-06	3.4E-07	1.7E-05	3.3E-05	0.022	0.003	0.14	0.022	0.003	0.15	0.29	5.452	0.730	35.56	4.858
Feb-15	1.4E-05	2.5E-06	3.3E-07	1.5E-05	2.9E-05	0.022	0.003	0.12	0.022	0.003	0.13	0.25	5.452	0.718	30.92	4.858
Mar-15	1.3E-05	2.5E-06	3.2E-07	1.4E-05	2.8E-05	0.022	0.003	0.11	0.022	0.003	0.12	0.24	5.452	0.696	28.36	4.858
Apr-15	7.5E-06	2.5E-06	3.0E-07	1.7E-05	2.5E-05	0.022	0.003	0.06	0.022	0.003	0.15	0.21	5.452	0.656	16.25	4.858
May-15	1.7E-05	2.5E-06	3.3E-07	1.7E-05	3.4E-05	0.022	0.003	0.15	0.022	0.003	0.14	0.29	5.452	0.704	37.59	4.858
Jun-15	1.5E-05	2.5E-06	3.3E-07	1.5E-05	3.0E-05	0.022	0.003	0.13	0.022	0.003	0.13	0.26	5.452	0.721	32.25	4.858

Lookback Period Production Data and Baseline Period Selection

	ions	Kiln 2 Lead Emissions			Total Lead	Kiln 1 THC Emissions			Kiln 2 THC Emissions			Total THC	Kiln 1 SO_2 Emissions			Kiln
	tons	lb/ton	lb/mmBtu	tons	Tons/month	lb/ton	lb/mmBtu	tons	lb/ton	lb/mmBtu	tons	Tons/month	lb/ton	lb/mmBtu	tons	lb/ton
Jul-15	1.5E-05	2.5E-06	3.4E-07	1.5E-05	3.0E-05	0.022	0.003	0.13	0.022	0.003	0.13	0.25	5.452	0.725	31.78	4.858
Aug-15	1.6E-05	2.5E-06	3.4E-07	1.6E-05	3.2E-05	0.022	0.003	0.14	0.022	0.003	0.14	0.27	5.452	0.736	34.32	4.858
Sep-15	1.6E-05	2.5E-06	3.2E-07	6.1E-06	2.2E-05	0.022	0.003	0.13	0.022	0.003	0.05	0.19	5.452	0.700	33.83	4.858
Oct-15	1.1E-05	2.5E-06	3.3E-07	1.3E-05	2.4E-05	0.022	0.003	0.10	0.022	0.003	0.11	0.21	5.452	0.709	24.61	4.858
Nov-15	4.0E-06	2.5E-06	3.1E-07	1.8E-05	2.2E-05	0.022	0.003	0.03	0.022	0.003	0.15	0.19	5.452	0.674	8.72	4.858
Dec-15	1.7E-05	2.5E-06	3.3E-07	1.7E-05	3.4E-05	0.022	0.003	0.15	0.022	0.003	0.14	0.29	5.452	0.721	37.14	4.858
Jan-16	1.4E-05	2.5E-06	3.4E-07	1.6E-05	3.0E-05	0.022	0.003	0.12	0.022	0.003	0.14	0.26	5.452	0.736	29.74	4.858
Feb-16	1.3E-05	2.5E-06	3.5E-07	1.4E-05	2.6E-05	0.022	0.003	0.11	0.022	0.003	0.12	0.23	5.452	0.750	27.88	4.858
Mar-16	1.5E-05	2.5E-06	3.6E-07	1.5E-05	3.0E-05	0.022	0.003	0.13	0.022	0.003	0.13	0.26	5.452	0.768	33.31	4.858
Apr-16	1.6E-05	2.5E-06	3.4E-07	1.6E-05	3.1E-05	0.022	0.003	0.13	0.022	0.003	0.13	0.27	5.452	0.725	33.65	4.858
May-16	1.8E-05	2.5E-06	3.3E-07	1.8E-05	3.7E-05	0.022	0.003	0.16	0.022	0.003	0.16	0.32	5.452	0.714	39.60	4.858
Jun-16	1.1E-05	2.5E-06	3.3E-07	1.6E-05	2.7E-05	0.022	0.003	0.09	0.022	0.003	0.14	0.23	5.452	0.718	23.06	4.858
Jul-16	3.0E-06	2.5E-06	3.4E-07	1.9E-05	2.2E-05	0.022	0.003	0.03	0.022	0.003	0.16	0.19	5.452	0.731	6.44	4.858
Aug-16	1.5E-05	2.5E-06	3.2E-07	1.4E-05	2.9E-05	0.022	0.003	0.13	0.022	0.003	0.12	0.25	3.673	0.472	21.51	2.715
Sep-16	1.5E-05	2.5E-06	3.3E-07	1.6E-05	3.1E-05	0.022	0.003	0.13	0.022	0.003	0.13	0.26	3.673	0.475	22.26	2.715
Oct-16	1.5E-05	2.5E-06	3.4E-07	3.3E-06	1.9E-05	0.022	0.003	0.13	0.022	0.003	0.03	0.16	3.673	0.498	22.31	2.715
Nov-16	1.7E-05	2.5E-06	3.2E-07	1.6E-05	3.3E-05	0.022	0.003	0.14	0.022	0.003	0.14	0.28	3.673	0.471	24.08	2.715
Dec-16	1.6E-05	2.5E-06	3.3E-07	1.7E-05	3.3E-05	0.022	0.003	0.14	0.022	0.003	0.15	0.29	3.673	0.484	23.81	2.715
Jan-17																
Feb-17																
Mar-17																
Apr-17																
May-17																
Jun-17																
Jul-17																
Aug-17																
Sep-17																
Oct-17																
Nov-17																
Dec-17																
Jan-18																
Feb-18																
Mar-18																
Apr-18																

Lookback Period Production Data and Baseline Period Selection

	ions	Kiln 2 Lead Emissions			Total Lead	Kiln 1 THC Emissions			Kiln 2 THC Emissions			Total THC		Kiln 1 SO_2 Emissions			Kiln
	tons	lb/ton	lb/mmBtu	tons	Tons/month	lb/ton	lb/mmBtu	tons	lb/ton	lb/mmBtu	tons	Tons/month		lb/ton	lb/mmBtu	tons	lb/ton
May-18																	
Jun-18																	
Jul-18																	
Aug-18																	
Sep-18																	
Oct-18																	
Nov-18																	
Dec-18																	
Jan-19																	
Feb-19																	
Mar-19																	
Apr-19																	
May-19																	
Jun-19																	
Jul-19																	
Aug-19																	
Sep-19																	
Oct-19																	
Nov-19																	
Dec-19																	
Jan-20																	
Feb-20																	
Mar-20																	
Apr-20																	
May-20																	
Jun-20																	
Jul-20																	
Aug-20																	
Sep-20																	
Oct-20																	
Nov-20																	
Dec-20																	
Jan-21																	
Feb-21																	

Lookback Period Production Data and Baseline Period Selection

	...sions	Kiln 2 Lead Emissions			Total Lead	Kiln 1 THC Emissions			Kiln 2 THC Emissions			Total THC		Kiln 1 SO_2 Emissions			Kiln...
	tons	lb/ton	lb/mmBtu	tons	Tons/month	lb/ton	lb/mmBtu	tons	lb/ton	lb/mmBtu	tons	Tons/month		lb/ton	lb/mmBtu	tons	lb/ton
Mar-21																	
Apr-21																	
May-21																	
Jun-21																	
Jul-21																	
Aug-21																	
Sep-21																	
Oct-21																	
Nov-21																	
Dec-21																	

Lookback Period Production Data and Baseline Period Selection

	2 SO_2 Emissions		Total SO_2	Coal PM Condensables Em			Coal PM Condensables Em			1 Coal PM Filterable Emiss			2 Coal PM Filterable Emiss			Total PM Filt	Kiln 1 T
	lb/mmBtu	tons	Tons/month	lb/ton	lb/mmBtu	tons	lb/ton	lb/mmBtu	tons	lb/ton	lb/mmBtu	tons	lb/ton	lb/mmBtu	tons	Tons	lb/ton
Jan-07	0.524	26.69	34.09	0.227	0.030	1.21	0.227	0.030	1.51	0.039	0.005	0.21	0.039	0.005	0.26	0.47	0.266
Feb-07	0.524	23.68	31.16	0.227	0.030	1.22	0.227	0.030	1.34	0.039	0.005	0.21	0.039	0.005	0.23	0.44	0.266
Mar-07	0.524	28.36	35.47	0.227	0.030	1.16	0.227	0.030	1.61	0.039	0.005	0.20	0.039	0.005	0.28	0.47	0.266
Apr-07	0.524	25.43	33.52	0.227	0.030	1.32	0.227	0.030	1.44	0.039	0.005	0.23	0.039	0.005	0.25	0.47	0.266
May-07	0.524	24.46	32.25	0.227	0.030	1.27	0.227	0.030	1.39	0.039	0.005	0.22	0.039	0.005	0.24	0.46	0.266
Jun-07	0.524	26.22	34.91	0.227	0.030	1.42	0.227	0.030	1.49	0.039	0.005	0.24	0.039	0.005	0.26	0.50	0.266
Jul-07	0.524	28.41	33.47	0.227	0.030	0.83	0.227	0.030	1.61	0.039	0.005	0.14	0.039	0.005	0.28	0.42	0.266
Aug-07	0.524	29.35	33.32	0.227	0.030	0.65	0.227	0.030	1.67	0.039	0.005	0.11	0.039	0.005	0.29	0.40	0.266
Sep-07	0.524	20.90	27.65	0.227	0.030	1.10	0.227	0.030	1.19	0.039	0.005	0.19	0.039	0.005	0.20	0.39	0.266
Oct-07	0.524	25.73	33.71	0.227	0.030	1.30	0.227	0.030	1.46	0.039	0.005	0.22	0.039	0.005	0.25	0.47	0.266
Nov-07	0.524	25.48	34.39	0.227	0.030	1.46	0.227	0.030	1.45	0.039	0.005	0.25	0.039	0.005	0.25	0.50	0.266
Dec-07	0.524	28.35	37.97	0.227	0.030	1.57	0.227	0.030	1.61	0.039	0.005	0.27	0.039	0.005	0.28	0.55	0.266
Jan-08	0.524	27.31	37.03	0.227	0.030	1.59	0.227	0.030	1.55	0.039	0.005	0.27	0.039	0.005	0.27	0.54	0.266
Feb-08	0.524	25.40	34.55	0.227	0.030	1.49	0.227	0.030	1.44	0.039	0.005	0.26	0.039	0.005	0.25	0.50	0.266
Mar-08	0.524	25.17	33.65	0.227	0.030	1.39	0.227	0.030	1.43	0.039	0.005	0.24	0.039	0.005	0.24	0.48	0.266
Apr-08	0.524	25.95	35.23	0.227	0.030	1.51	0.227	0.030	1.47	0.039	0.005	0.26	0.039	0.005	0.25	0.51	0.266
May-08	0.524	26.65	35.34	0.227	0.030	1.42	0.227	0.030	1.51	0.039	0.005	0.24	0.039	0.005	0.26	0.50	0.266
Jun-08	0.524	27.57	36.24	0.227	0.030	1.42	0.227	0.030	1.56	0.039	0.005	0.24	0.039	0.005	0.27	0.51	0.266
Jul-08	0.524	29.19	38.38	0.227	0.030	1.50	0.227	0.030	1.66	0.039	0.005	0.26	0.039	0.005	0.28	0.54	0.266
Aug-08	0.524	29.03	39.27	0.227	0.030	1.67	0.227	0.030	1.65	0.039	0.005	0.29	0.039	0.005	0.28	0.57	0.266
Sep-08	0.524	5.42	14.95	0.227	0.030	1.56	0.227	0.030	0.31	0.039	0.005	0.27	0.039	0.005	0.05	0.32	0.266
Oct-08	0.524	28.87	36.32	0.227	0.030	1.22	0.227	0.030	1.64	0.039	0.005	0.21	0.039	0.005	0.28	0.49	0.266
Nov-08	0.524	20.47	26.58	0.227	0.030	1.00	0.227	0.030	1.16	0.039	0.005	0.17	0.039	0.005	0.20	0.37	0.266
Dec-08	0.524	27.02	30.43	0.227	0.030	0.56	0.227	0.030	1.53	0.039	0.005	0.10	0.039	0.005	0.26	0.36	0.266
Jan-09	0.524	28.16	28.16	0.227	0.030	0.00	0.227	0.030	1.60	0.039	0.005	0.00	0.039	0.005	0.27	0.27	0.266
Feb-09	0.524	22.52	22.52	0.227	0.030	0.00	0.227	0.030	1.28	0.039	0.005	0.00	0.039	0.005	0.22	0.22	0.266
Mar-09	0.524	23.24	23.24	0.227	0.030	0.00	0.227	0.030	1.32	0.039	0.005	0.00	0.039	0.005	0.23	0.23	0.266
Apr-09	0.524	17.65	17.65	0.227	0.030	0.00	0.227	0.030	1.00	0.039	0.005	0.00	0.039	0.005	0.17	0.17	0.266
May-09	0.000	0.00	0.00	0.227	0.030	0.00	0.227	0.030	0.00	0.039	0.005	0.00	0.039	0.005	0.00	0.00	0.000
Jun-09	0.000	0.00	0.00	0.227	0.030	0.00	0.227	0.030	0.00	0.039	0.005	0.00	0.039	0.005	0.00	0.00	0.000
Jul-09	0.000	0.00	0.00	0.227	0.030	0.00	0.227	0.030	0.00	0.039	0.005	0.00	0.039	0.005	0.00	0.00	0.000
Aug-09	0.000	0.00	0.00	0.227	0.030	0.00	0.227	0.030	0.00	0.039	0.005	0.00	0.039	0.005	0.00	0.00	0.000
Sep-09	0.000	0.00	0.00	0.227	0.030	0.00	0.227	0.030	0.00	0.039	0.005	0.00	0.039	0.005	0.00	0.00	0.000
Oct-09	0.000	0.00	0.00	0.227	0.030	0.00	0.227	0.030	0.00	0.039	0.005	0.00	0.039	0.005	0.00	0.00	0.000

Lookback Period Production Data and Baseline Period Selection

	2 SO_2 Emissions		Total SO_2	Coal PM Condensables Em			Coal PM Condensables Em			1 Coal PM Filterable Emiss			2 Coal PM Filterable Emiss			Total PM Filt	Kiln 1 T
	lb/mmBtu	tons	Tons/month	lb/ton	lb/mmBtu	tons	lb/ton	lb/mmBtu	tons	lb/ton	lb/mmBtu	tons	lb/ton	lb/mmBtu	tons	Tons	lb/ton
Nov-09	0.000	0.00	0.00	0.227	0.030	0.00	0.227	0.030	0.00	0.039	0.005	0.00	0.039	0.005	0.00	0.00	0.000
Dec-09	0.000	0.00	0.00	0.227	0.030	0.00	0.227	0.030	0.00	0.039	0.005	0.00	0.039	0.005	0.00	0.00	0.000
Jan-10	0.524	0.00	0.00	0.227	0.030	0.00	0.227	0.030	0.00	0.039	0.005	0.00	0.039	0.005	0.00	0.00	0.266
Feb-10	0.524	0.00	0.00	0.227	0.030	0.00	0.227	0.030	0.00	0.039	0.005	0.00	0.039	0.005	0.00	0.00	0.266
Mar-10	0.497	29.11	29.11	0.227	0.028	0.00	0.227	0.028	1.65	0.039	0.005	0.00	0.039	0.005	0.28	0.28	0.266
Apr-10	0.527	25.50	29.40	0.227	0.030	0.64	0.227	0.030	1.45	0.039	0.005	0.11	0.039	0.005	0.25	0.36	0.266
May-10	0.556	29.51	38.59	0.227	0.032	1.48	0.227	0.032	1.67	0.039	0.005	0.25	0.039	0.005	0.29	0.54	0.266
Jun-10	0.531	23.34	31.95	0.227	0.030	1.41	0.227	0.030	1.32	0.039	0.005	0.24	0.039	0.005	0.23	0.47	0.266
Jul-10	0.637	33.67	58.04	0.227	0.031	1.67	0.227	0.031	1.63	0.098	0.013	0.72	0.073	0.010	0.52	1.24	0.325
Aug-10	0.669	29.77	49.86	0.227	0.032	1.38	0.227	0.032	1.44	0.098	0.014	0.60	0.073	0.010	0.46	1.06	0.325
Sep-10	0.623	33.62	55.69	0.227	0.030	1.51	0.227	0.030	1.63	0.098	0.013	0.65	0.073	0.010	0.52	1.17	0.325
Oct-10	0.623	35.95	41.13	0.227	0.030	0.35	0.227	0.030	1.74	0.098	0.013	0.15	0.073	0.010	0.56	0.71	0.325
Nov-10	0.622	37.39	37.39	0.227	0.030	0.00	0.227	0.030	1.81	0.098	0.013	0.00	0.073	0.010	0.58	0.58	0.325
Dec-10	0.581	35.20	35.20	0.227	0.028	0.00	0.227	0.028	1.70	0.098	0.012	0.00	0.073	0.009	0.54	0.54	0.325
Jan-11	0.557	36.79	36.79	0.227	0.027	0.00	0.227	0.027	1.78	0.098	0.012	0.00	0.073	0.009	0.57	0.6	0.325
Feb-11	0.610	30.58	43.68	0.227	0.030	0.90	0.227	0.030	1.48	0.098	0.013	0.39	0.073	0.009	0.47	0.9	0.325
Mar-11	0.585	33.21	47.17	0.227	0.028	0.96	0.227	0.028	1.61	0.098	0.012	0.41	0.073	0.009	0.51	0.9	0.325
Apr-11	0.650	23.05	44.34	0.227	0.031	1.46	0.227	0.031	1.12	0.098	0.014	0.63	0.073	0.010	0.36	1.0	0.325
May-11	0.615	32.07	55.00	0.227	0.030	1.57	0.227	0.030	1.55	0.098	0.013	0.68	0.073	0.010	0.50	1.2	0.325
Jun-11	0.629	30.02	46.83	0.227	0.030	1.15	0.227	0.030	1.45	0.098	0.013	0.50	0.073	0.010	0.46	1.0	0.325
Jul-11	0.591	27.52	46.22	0.227	0.029	1.28	0.227	0.029	1.33	0.098	0.012	0.55	0.073	0.009	0.43	1.0	0.325
Aug-11	0.600	26.01	49.04	0.227	0.029	1.58	0.227	0.029	1.26	0.098	0.013	0.68	0.073	0.009	0.40	1.1	0.325
Sep-11	0.618	22.99	44.51	0.227	0.030	1.47	0.227	0.030	1.11	0.098	0.013	0.64	0.073	0.010	0.36	1.0	0.325
Oct-11	0.473	7.19	36.33	0.227	0.028	1.36	0.227	0.028	0.43	0.107	0.013	0.64	0.048	0.006	0.09	0.7	0.334
Nov-11	0.506	15.41	49.75	0.227	0.030	1.60	0.227	0.030	0.92	0.107	0.014	0.75	0.048	0.006	0.19	0.9	0.334
Dec-11	0.506	24.92	55.62	0.227	0.030	1.43	0.227	0.030	1.50	0.107	0.014	0.67	0.048	0.006	0.31	1.0	0.334
Jan-12	0.498	26.29	55.22	0.227	0.030	1.35	0.227	0.030	1.58	0.107	0.014	0.64	0.048	0.006	0.33	1.0	0.334
Feb-12	0.496	23.87	48.24	0.227	0.030	1.14	0.227	0.030	1.43	0.107	0.014	0.54	0.048	0.006	0.30	0.8	0.334
Mar-12	0.513	29.03	29.03	0.227	0.031	0.00	0.227	0.031	1.74	0.107	0.015	0.00	0.048	0.006	0.37	0.4	0.334
Apr-12	0.484	29.21	46.02	0.227	0.029	0.78	0.227	0.029	1.75	0.107	0.014	0.37	0.048	0.006	0.37	0.7	0.334
May-12	0.520	26.11	57.14	0.227	0.031	1.45	0.227	0.031	1.57	0.107	0.015	0.68	0.048	0.007	0.33	1.0	0.334
Jun-12	0.467	24.46	39.26	0.227	0.028	0.70	0.227	0.028	1.48	0.107	0.013	0.33	0.048	0.006	0.31	0.6	0.319
Jul-12	0.485	25.46	53.80	0.227	0.029	1.34	0.227	0.029	1.54	0.107	0.014	0.63	0.048	0.006	0.32	1.0	0.322
Aug-12	0.499	24.55	54.60	0.227	0.030	1.42	0.227	0.030	1.48	0.107	0.014	0.67	0.048	0.006	0.31	1.0	0.325

	2 SO_2 Emissions		Total SO_2	Coal PM Condensables Em			Coal PM Condensables Em			1 Coal PM Filterable Emiss			2 Coal PM Filterable Emiss			Total PM Filt	Kiln 1 T
	lb/mmBtu	tons	Tons/month	lb/ton	lb/mmBtu	tons	lb/ton	lb/mmBtu	tons	lb/ton	lb/mmBtu	tons	lb/ton	lb/mmBtu	tons	Tons	lb/ton
Sep-12	0.474	22.55	51.85	0.227	0.029	1.38	0.227	0.029	1.36	0.107	0.013	0.65	0.048	0.006	0.29	0.9	0.326
Oct-12	0.502	6.47	38.17	0.227	0.030	1.48	0.227	0.030	0.39	0.107	0.014	0.70	0.048	0.006	0.08	0.8	0.331
Nov-12	0.621	30.56	61.03	0.227	0.029	1.27	0.227	0.029	1.43	0.063	0.008	0.35	0.040	0.005	0.25	0.6	0.290
Dec-12	0.690	31.33	63.11	0.227	0.032	1.32	0.227	0.032	1.46	0.063	0.009	0.37	0.040	0.006	0.26	0.6	0.290
Jan-13	0.659	33.60	68.72	0.227	0.031	1.46	0.227	0.031	1.57	0.063	0.009	0.40	0.040	0.005	0.28	0.7	0.290
Feb-13	0.613	33.58	45.44	0.227	0.029	0.49	0.227	0.029	1.57	0.063	0.008	0.14	0.040	0.005	0.28	0.4	0.290
Mar-13	0.627	33.46	68.60	0.227	0.029	1.46	0.227	0.029	1.56	0.063	0.008	0.41	0.040	0.005	0.27	0.7	0.290
Apr-13	0.666	30.56	63.89	0.227	0.031	1.39	0.227	0.031	1.43	0.063	0.009	0.38	0.040	0.005	0.25	0.6	0.290
May-13	0.635	34.57	71.64	0.227	0.030	1.54	0.227	0.030	1.62	0.063	0.008	0.43	0.040	0.005	0.28	0.7	0.290
Jun-13	0.642	31.79	65.72	0.227	0.030	1.41	0.227	0.030	1.49	0.063	0.008	0.39	0.040	0.005	0.26	0.7	0.290
Jul-13	0.621	31.06	65.06	0.227	0.029	1.42	0.227	0.029	1.45	0.063	0.008	0.39	0.040	0.005	0.25	0.6	0.290
Aug-13	0.627	29.13	63.11	0.227	0.029	1.42	0.227	0.029	1.36	0.063	0.008	0.39	0.040	0.005	0.24	0.6	0.290
Sep-13	0.635	29.73	66.27	0.227	0.030	1.52	0.227	0.030	1.39	0.063	0.008	0.42	0.040	0.005	0.24	0.7	0.290
Oct-13	0.644	31.99	69.38	0.227	0.030	1.56	0.227	0.030	1.50	0.063	0.008	0.43	0.040	0.005	0.26	0.7	0.290
Nov-13	0.590	30.77	43.30	0.227	0.028	0.52	0.227	0.028	1.44	0.063	0.008	0.14	0.040	0.005	0.25	0.4	0.290
Dec-13	0.648	33.49	66.43	0.227	0.030	1.37	0.227	0.030	1.57	0.063	0.008	0.38	0.040	0.005	0.27	0.7	0.290
Jan-14	0.611	29.49	59.69	0.227	0.029	1.26	0.227	0.029	1.38	0.063	0.008	0.35	0.040	0.005	0.24	0.6	0.290
Feb-14	0.616	26.35	55.76	0.227	0.029	1.22	0.227	0.029	1.23	0.063	0.008	0.34	0.040	0.005	0.22	0.6	0.290
Mar-14	0.599	16.46	53.63	0.227	0.028	1.55	0.227	0.028	0.77	0.063	0.008	0.43	0.040	0.005	0.13	0.6	0.290
Apr-14	0.620	29.32	57.20	0.227	0.029	1.16	0.227	0.029	1.37	0.063	0.008	0.32	0.040	0.005	0.24	0.6	0.290
May-14	0.655	32.02	65.94	0.227	0.031	1.41	0.227	0.031	1.50	0.063	0.008	0.39	0.040	0.005	0.26	0.7	0.290
Jun-14	0.649	35.42	59.19	0.227	0.030	0.99	0.227	0.030	1.66	0.063	0.008	0.27	0.040	0.005	0.29	0.6	0.290
Jul-14	0.634	33.39	70.75	0.227	0.030	1.56	0.227	0.030	1.56	0.063	0.008	0.43	0.040	0.005	0.27	0.7	0.290
Aug-14	0.646	33.78	69.49	0.227	0.030	1.49	0.227	0.030	1.58	0.063	0.008	0.41	0.040	0.005	0.28	0.7	0.290
Sep-14	0.658	35.54	74.30	0.227	0.031	1.61	0.227	0.031	1.66	0.063	0.009	0.45	0.040	0.005	0.29	0.7	0.290
Oct-14	0.637	33.24	70.77	0.227	0.030	1.56	0.227	0.030	1.55	0.063	0.008	0.43	0.040	0.005	0.27	0.7	0.290
Nov-14	0.633	29.62	67.85	0.227	0.030	1.59	0.227	0.030	1.38	0.063	0.008	0.44	0.040	0.005	0.24	0.7	0.290
Dec-14	0.619	33.03	68.52	0.227	0.029	1.48	0.227	0.029	1.54	0.063	0.008	0.41	0.040	0.005	0.27	0.7	0.290
Jan-15	0.650	32.73	68.29	0.227	0.030	1.48	0.227	0.030	1.53	0.063	0.008	0.41	0.040	0.005	0.27	0.7	0.290
Feb-15	0.640	28.95	59.87	0.227	0.030	1.29	0.227	0.030	1.35	0.063	0.008	0.36	0.040	0.005	0.24	0.6	0.290
Mar-15	0.621	27.77	56.13	0.227	0.029	1.18	0.227	0.029	1.30	0.063	0.008	0.33	0.040	0.005	0.23	0.6	0.290
Apr-15	0.585	33.41	49.65	0.227	0.027	0.68	0.227	0.027	1.56	0.063	0.008	0.19	0.040	0.005	0.27	0.5	0.290
May-15	0.627	32.30	69.90	0.227	0.029	1.57	0.227	0.029	1.51	0.063	0.008	0.43	0.040	0.005	0.26	0.7	0.290
Jun-15	0.643	29.27	61.51	0.227	0.030	1.34	0.227	0.030	1.37	0.063	0.008	0.37	0.040	0.005	0.24	0.6	0.290

Lookback Period Production Data and Baseline Period Selection

	2 SO_2 Emissions		Total SO_2	Coal PM Condensables Em			Coal PM Condensables Em			1 Coal PM Filterable Emiss			2 Coal PM Filterable Emiss			Total PM Filt	Kiln 1 T
	lb/mmBtu	tons	Tons/month	lb/ton	lb/mmBtu	tons	lb/ton	lb/mmBtu	tons	lb/ton	lb/mmBtu	tons	lb/ton	lb/mmBtu	tons	Tons	lb/ton
Jul-15	0.646	28.57	60.35	0.227	0.030	1.32	0.227	0.030	1.34	0.063	0.008	0.37	0.040	0.005	0.23	0.6	0.290
Aug-15	0.656	31.17	65.50	0.227	0.031	1.43	0.227	0.031	1.46	0.063	0.008	0.40	0.040	0.005	0.26	0.7	0.290
Sep-15	0.624	11.75	45.58	0.227	0.029	1.41	0.227	0.029	0.55	0.063	0.008	0.39	0.040	0.005	0.10	0.5	0.290
Oct-15	0.632	25.14	49.76	0.227	0.030	1.02	0.227	0.030	1.17	0.063	0.008	0.28	0.040	0.005	0.21	0.5	0.290
Nov-15	0.601	34.43	43.15	0.227	0.028	0.36	0.227	0.028	1.61	0.063	0.008	0.10	0.040	0.005	0.28	0.4	0.290
Dec-15	0.643	32.28	69.41	0.227	0.030	1.55	0.227	0.030	1.51	0.063	0.008	0.43	0.040	0.005	0.26	0.7	0.290
Jan-16	0.656	31.16	60.89	0.227	0.031	1.24	0.227	0.031	1.46	0.063	0.008	0.34	0.040	0.005	0.26	0.6	0.290
Feb-16	0.669	26.16	54.04	0.227	0.031	1.16	0.227	0.031	1.22	0.063	0.009	0.32	0.040	0.005	0.21	0.5	0.290
Mar-16	0.684	28.13	61.44	0.227	0.032	1.39	0.227	0.032	1.31	0.063	0.009	0.38	0.040	0.006	0.23	0.6	0.290
Apr-16	0.646	30.04	63.69	0.227	0.030	1.40	0.227	0.030	1.40	0.063	0.008	0.39	0.040	0.005	0.25	0.6	0.290
May-16	0.636	35.58	75.19	0.227	0.030	1.65	0.227	0.030	1.66	0.063	0.008	0.46	0.040	0.005	0.29	0.7	0.290
Jun-16	0.640	31.16	54.22	0.227	0.030	0.96	0.227	0.030	1.46	0.063	0.008	0.27	0.040	0.005	0.26	0.5	0.290
Jul-16	0.652	36.87	43.31	0.227	0.030	0.27	0.227	0.030	1.72	0.063	0.008	0.07	0.040	0.005	0.30	0.4	0.290
Aug-16	0.349	15.14	36.65	0.227	0.029	1.33	0.227	0.029	1.27	0.062	0.008	0.36	0.259	0.033	1.44	1.8	0.289
Sep-16	0.351	16.71	38.97	0.227	0.029	1.38	0.227	0.029	1.40	0.062	0.008	0.38	0.259	0.033	1.59	2.0	0.289
Oct-16	0.368	3.52	25.83	0.227	0.031	1.38	0.227	0.031	0.29	0.062	0.008	0.38	0.259	0.035	0.34	0.7	0.289
Nov-16	0.348	17.20	41.28	0.227	0.029	1.49	0.227	0.029	1.44	0.062	0.008	0.41	0.116	0.015	0.73	1.1	0.289
Dec-16	0.358	18.40	42.20	0.227	0.030	1.47	0.227	0.030	1.54	0.062	0.008	0.40	0.116	0.015	0.78	1.2	0.289
Jan-17																	
Feb-17																	
Mar-17																	
Apr-17																	
May-17																	
Jun-17																	
Jul-17																	
Aug-17																	
Sep-17																	
Oct-17																	
Nov-17																	
Dec-17																	
Jan-18																	
Feb-18																	
Mar-18																	
Apr-18																	

Lookback Period Production Data and Baseline Period Selection

	2 SO_2 Emissions		Total SO_2	Coal PM Condensables Em			Coal PM Condensables Em			1 Coal PM Filterable Emiss			2 Coal PM Filterable Emiss			Total PM Filt	Kiln 1 T
	lb/mmBtu	tons	Tons/month	lb/ton	lb/mmBtu	tons	lb/ton	lb/mmBtu	tons	lb/ton	lb/mmBtu	tons	lb/ton	lb/mmBtu	tons	Tons	lb/ton
May-18																	
Jun-18																	
Jul-18																	
Aug-18																	
Sep-18																	
Oct-18																	
Nov-18																	
Dec-18																	
Jan-19																	
Feb-19																	
Mar-19																	
Apr-19																	
May-19																	
Jun-19																	
Jul-19																	
Aug-19																	
Sep-19																	
Oct-19																	
Nov-19																	
Dec-19																	
Jan-20																	
Feb-20																	
Mar-20																	
Apr-20																	
May-20																	
Jun-20																	
Jul-20																	
Aug-20																	
Sep-20																	
Oct-20																	
Nov-20																	
Dec-20																	
Jan-21																	
Feb-21																	

Lookback Period Production Data and Baseline Period Selection

	2 SO_2 Emissions		Total SO_2	Coal PM Condensables Em			Coal PM Condensables Em			1 Coal PM Filterable Emiss			2 Coal PM Filterable Emiss			Total PM Filt	Kiln 1 T
	lb/mmBtu	tons	Tons/month	lb/ton	lb/mmBtu	tons	lb/ton	lb/mmBtu	tons	lb/ton	lb/mmBtu	tons	lb/ton	lb/mmBtu	tons	Tons	lb/ton
Mar-21																	
Apr-21																	
May-21																	
Jun-21																	
Jul-21																	
Aug-21																	
Sep-21																	
Oct-21																	
Nov-21																	
Dec-21																	
												0.75			1.59	1.97	

	otal PM Emissions		Kiln 2 Total PM Emissions			Total PM	12-Month Rolling Emissions (tons)							24-Month Rolling Emissions (tons)						
	lb/mmBtu	tons	lb/ton	lb/mmBtu	tons	Tons/month	CO	NOX	Pb	THC	SO2	PM	PMf	CO	NOX	Pb	THC	SO2	PM	PMf
Jan-07	0.035	1.42	0.266	0.035	1.77	3.19	---	---	---	---	---	---	---	---	---	---	---	---	---	---
Feb-07	0.035	1.43	0.266	0.035	1.57	3.01	---	---	---	---	---	---	---	---	---	---	---	---	---	---
Mar-07	0.035	1.36	0.266	0.035	1.89	3.25	---	---	---	---	---	---	---	---	---	---	---	---	---	---
Apr-07	0.035	1.55	0.266	0.035	1.69	3.24	---	---	---	---	---	---	---	---	---	---	---	---	---	---
May-07	0.035	1.49	0.266	0.035	1.63	3.12	---	---	---	---	---	---	---	---	---	---	---	---	---	---
Jun-07	0.035	1.66	0.266	0.035	1.74	3.41	---	---	---	---	---	---	---	---	---	---	---	---	---	---
Jul-07	0.035	0.97	0.266	0.035	1.89	2.86	---	---	---	---	---	---	---	---	---	---	---	---	---	---
Aug-07	0.035	0.76	0.266	0.035	1.95	2.71	---	---	---	---	---	---	---	---	---	---	---	---	---	---
Sep-07	0.035	1.29	0.266	0.035	1.39	2.68	---	---	---	---	---	---	---	---	---	---	---	---	---	---
Oct-07	0.035	1.53	0.266	0.035	1.71	3.24	---	---	---	---	---	---	---	---	---	---	---	---	---	---
Nov-07	0.035	1.70	0.266	0.035	1.69	3.40	---	---	---	---	---	---	---	---	---	---	---	---	---	---
Dec-07	0.035	1.84	0.266	0.035	1.88	3.73	79.9	616.7	3.6E-04	3.1	401.9	37.8	5.5	---	---	---	---	---	---	---
Jan-08	0.035	1.86	0.266	0.035	1.82	3.68	80.9	624.6	3.6E-04	3.1	404.8	38.3	5.6	---	---	---	---	---	---	---
Feb-08	0.035	1.75	0.266	0.035	1.69	3.44	81.8	631.7	3.7E-04	3.1	408.2	38.7	5.7	---	---	---	---	---	---	---
Mar-08	0.035	1.62	0.266	0.035	1.67	3.30	81.9	632.5	3.7E-04	3.2	406.4	38.8	5.7	---	---	---	---	---	---	---
Apr-08	0.035	1.77	0.266	0.035	1.73	3.50	82.5	636.8	3.7E-04	3.2	408.1	39.0	5.7	---	---	---	---	---	---	---
May-08	0.035	1.66	0.266	0.035	1.77	3.43	83.2	642.0	3.7E-04	3.2	411.2	39.4	5.8	---	---	---	---	---	---	---
Jun-08	0.035	1.66	0.266	0.035	1.83	3.49	83.3	643.4	3.7E-04	3.2	412.6	39.4	5.8	---	---	---	---	---	---	---
Jul-08	0.035	1.76	0.266	0.035	1.94	3.70	85.1	657.1	3.8E-04	3.3	417.5	40.3	5.9	---	---	---	---	---	---	---
Aug-08	0.035	1.96	0.266	0.035	1.93	3.89	87.6	676.4	3.9E-04	3.4	423.4	41.5	6.1	---	---	---	---	---	---	---
Sep-08	0.035	1.82	0.266	0.035	0.36	2.18	86.6	668.3	3.9E-04	3.3	410.7	41.0	6.0	---	---	---	---	---	---	---
Oct-08	0.035	1.43	0.266	0.035	1.92	3.35	86.8	670.0	3.9E-04	3.3	413.3	41.1	6.0	---	---	---	---	---	---	---
Nov-08	0.035	1.17	0.266	0.035	1.36	2.53	84.9	655.8	3.8E-04	3.3	405.5	40.2	5.9	---	---	---	---	---	---	---
Dec-08	0.035	0.65	0.266	0.035	1.80	2.45	82.2	635.0	3.7E-04	3.2	398.0	38.9	5.7	162.1	1251.7	7.3E-04	6.2	799.9	76.7	11.2
Jan-09	0.035	0.00	0.266	0.035	1.87	1.87	78.4	605.6	3.5E-04	3.0	389.1	37.1	5.4	159.3	1230.2	7.2E-04	6.1	793.9	75.4	11.0
Feb-09	0.035	0.00	0.266	0.035	1.50	1.50	74.3	573.9	3.3E-04	2.9	377.1	35.2	5.1	156.2	1205.6	7.0E-04	6.0	785.3	73.9	10.8
Mar-09	0.035	0.00	0.266	0.035	1.55	1.55	70.6	545.4	3.2E-04	2.7	366.7	33.4	4.9	152.6	1177.9	6.9E-04	5.9	773.1	72.2	10.6
Apr-09	0.035	0.00	0.266	0.035	1.17	1.17	65.7	507.4	3.0E-04	2.5	349.1	31.1	4.6	148.2	1144.2	6.7E-04	5.7	757.2	70.2	10.3
May-09	0.000	0.00	0.000	0.000	0.00	0.00	58.5	451.4	2.6E-04	2.3	313.7	27.7	4.1	141.6	1093.4	6.4E-04	5.5	725.0	67.0	9.8
Jun-09	0.000	0.00	0.000	0.000	0.00	0.00	51.1	394.4	2.3E-04	2.0	277.5	24.2	3.5	134.4	1037.8	6.0E-04	5.2	690.1	63.6	9.3
Jul-09	0.000	0.00	0.000	0.000	0.00	0.00	43.3	334.1	1.9E-04	1.7	239.1	20.5	3.0	128.4	991.2	5.8E-04	4.9	656.6	60.8	8.9
Aug-09	0.000	0.00	0.000	0.000	0.00	0.00	35.1	270.7	1.6E-04	1.3	199.9	16.6	2.4	122.7	947.0	5.5E-04	4.7	623.3	58.1	8.5
Sep-09	0.000	0.00	0.000	0.000	0.00	0.00	30.4	235.1	1.4E-04	1.2	184.9	14.4	2.1	117.0	903.3	5.3E-04	4.5	595.6	55.4	8.1
Oct-09	0.000	0.00	0.000	0.000	0.00	0.00	23.4	180.5	1.0E-04	0.9	148.6	11.1	1.6	110.2	850.5	4.9E-04	4.2	561.9	52.1	7.6

Lookback Period Production Data and Baseline Period Selection

	otal PM Emissions		Kiln 2 Total PM Emissions			Total PM	12-Month Rolling Emissions (tons)							24-Month Rolling Emissions (tons)						
	lb/mmBtu	tons	lb/ton	lb/mmBtu	tons	Tons/month	CO	NOX	Pb	THC	SO2	PM	PMf	CO	NOX	Pb	THC	SO2	PM	PMf
Nov-09	0.000	0.00	0.000	0.000	0.00	0.00	18.0	139.2	8.1E-05	0.7	122.0	8.5	1.2	103.0	795.1	4.6E-04	4.0	527.5	48.7	7.1
Dec-09	0.000	0.00	0.000	0.000	0.00	0.00	12.9	99.3	5.8E-05	0.5	91.6	6.1	0.9	95.1	734.3	4.3E-04	3.7	489.5	45.0	6.6
Jan-10	0.035	0.00	0.266	0.035	0.00	0.00	8.9	68.8	4.0E-05	0.3	63.4	4.2	0.6	87.3	674.4	3.9E-04	3.4	452.5	41.3	6.1
Feb-10	0.035	0.00	0.266	0.035	0.00	0.00	5.7	44.3	2.6E-05	0.2	40.9	2.7	0.4	80.1	618.3	3.6E-04	3.1	418.0	37.9	5.5
Mar-10	0.033	0.00	0.266	0.033	1.94	1.94	6.6	50.7	2.9E-05	0.3	46.8	3.1	0.5	77.2	596.1	3.5E-04	3.0	413.4	36.5	5.3
Apr-10	0.035	0.75	0.266	0.035	1.70	2.44	9.2	71.4	4.2E-05	0.4	58.5	4.4	0.6	75.0	578.8	3.4E-04	2.9	407.6	35.5	5.2
May-10	0.037	1.74	0.266	0.037	1.96	3.70	17.1	131.7	7.7E-05	0.7	97.1	8.1	1.2	75.5	583.1	3.4E-04	2.9	410.8	35.8	5.2
Jun-10	0.035	1.65	0.266	0.035	1.55	3.20	23.8	183.9	1.1E-04	0.9	129.1	11.3	1.7	74.9	578.3	3.4E-04	2.9	406.6	35.5	5.2
Jul-10	0.044	2.39	0.300	0.041	2.15	4.54	32.0	246.9	1.4E-04	1.2	187.1	15.8	2.9	75.3	581.0	3.4E-04	2.9	426.2	36.3	5.9
Aug-10	0.046	1.97	0.300	0.043	1.90	3.87	39.0	300.7	1.7E-04	1.5	237.0	19.7	4.0	74.0	571.4	3.3E-04	2.8	436.8	36.3	6.4
Sep-10	0.043	2.16	0.300	0.040	2.15	4.31	46.7	360.7	2.1E-04	1.8	292.7	24.0	5.1	77.2	595.7	3.5E-04	3.0	477.6	38.4	7.2
Oct-10	0.043	0.51	0.300	0.040	2.30	2.81	51.9	400.7	2.3E-04	2.0	333.8	26.8	5.8	75.3	581.2	3.4E-04	2.9	482.4	37.9	7.5
Nov-10	0.043	0.00	0.300	0.040	2.39	2.39	56.4	435.3	2.5E-04	2.2	371.2	29.2	6.4	74.4	574.6	3.3E-04	2.9	493.2	37.7	7.7
Dec-10	0.040	0.00	0.300	0.037	2.25	2.25	60.6	467.9	2.7E-04	2.3	406.4	31.4	7.0	73.5	567.2	3.3E-04	2.8	497.9	37.5	7.8
Jan-11	0.039	0.00	0.300	0.036	2.35	2.35	65.0	501.9	2.9E-04	2.5	443.2	33.8	7.5	73.9	570.7	3.3E-04	2.8	506.6	38.0	8.1
Feb-11	0.042	1.29	0.300	0.039	1.95	3.24	70.9	547.3	3.2E-04	2.7	486.8	37.0	8.4	76.6	591.7	3.4E-04	2.9	527.7	39.8	8.8
Mar-11	0.041	1.37	0.300	0.037	2.12	3.49	73.1	564.7	3.3E-04	2.8	504.9	38.6	9.0	79.7	615.5	3.6E-04	3.1	551.7	41.7	9.5
Apr-11	0.045	2.09	0.300	0.042	1.47	3.56	74.4	574.1	3.3E-04	2.9	519.8	39.7	9.7	83.6	645.5	3.8E-04	3.2	578.4	44.1	10.3
May-11	0.043	2.25	0.300	0.039	2.05	4.30	74.3	573.4	3.3E-04	2.9	536.2	40.3	10.3	91.3	705.1	4.1E-04	3.5	633.4	48.4	11.5
Jun-11	0.044	1.65	0.300	0.040	1.92	3.57	74.0	571.0	3.3E-04	2.8	551.1	40.7	10.8	97.8	754.9	4.4E-04	3.8	680.2	52.0	12.4
Jul-11	0.041	1.83	0.300	0.038	1.76	3.59	72.3	557.9	3.2E-04	2.8	539.3	39.7	10.5	104.2	804.8	4.7E-04	4.0	726.4	55.5	13.4
Aug-11	0.042	2.26	0.300	0.038	1.66	3.92	72.3	558.2	3.2E-04	2.8	538.5	39.8	10.6	111.3	859.0	5.0E-04	4.3	775.4	59.5	14.5
Sep-11	0.043	2.11	0.300	0.040	1.47	3.58	70.9	547.7	3.2E-04	2.7	527.3	39.0	10.4	117.7	908.4	5.3E-04	4.5	819.9	63.0	15.5
Oct-11	0.042	2.00	0.275	0.034	0.52	2.52	70.2	541.8	3.2E-04	2.7	522.5	38.8	10.4	122.1	942.5	5.5E-04	4.7	856.3	65.6	16.2
Nov-11	0.045	2.35	0.275	0.037	1.12	3.47	71.9	555.5	3.2E-04	2.8	534.8	39.8	10.8	128.3	990.8	5.8E-04	4.9	906.0	69.0	17.2
Dec-11	0.045	2.10	0.275	0.037	1.81	3.91	75.0	578.8	3.4E-04	2.9	555.3	41.5	11.2	135.6	1046.7	6.1E-04	5.2	961.6	73.0	18.2
Jan-12	0.044	1.98	0.275	0.036	1.91	3.89	77.8	600.6	3.5E-04	3.0	573.7	43.1	11.6	142.8	1102.6	6.4E-04	5.5	1016.9	76.8	19.1
Feb-12	0.044	1.67	0.275	0.036	1.73	3.40	78.3	604.3	3.5E-04	3.0	578.3	43.2	11.6	149.2	1151.6	6.7E-04	5.7	1065.1	80.3	20.0
Mar-12	0.045	0.00	0.275	0.037	2.11	2.11	76.2	588.6	3.4E-04	2.9	560.1	41.8	11.0	149.4	1153.3	6.7E-04	5.7	1065.0	80.4	20.1
Apr-12	0.043	1.15	0.275	0.035	2.12	3.27	76.1	587.9	3.4E-04	2.9	561.8	41.5	10.8	150.5	1161.9	6.8E-04	5.8	1081.6	81.3	20.4
May-12	0.046	2.13	0.275	0.038	1.90	4.02	75.9	585.8	3.4E-04	2.9	563.9	41.3	10.6	150.1	1159.1	6.7E-04	5.8	1100.2	81.6	20.9
Jun-12	0.040	0.99	0.264	0.033	1.72	2.71	75.5	577.7	6.8E-04	2.9	556.4	40.4	10.3	149.5	1148.6	1.0E-03	5.7	1107.5	81.1	21.1
Jul-12	0.042	1.91	0.266	0.034	1.80	3.71	76.9	582.7	1.0E-03	2.9	563.9	40.5	10.3	149.2	1140.6	1.4E-03	5.7	1103.2	80.3	20.8
Aug-12	0.043	2.03	0.268	0.036	1.75	3.78	77.6	583.9	1.3E-03	2.9	569.5	40.4	10.2	149.9	1142.1	1.6E-03	5.7	1108.0	80.2	20.7

Lookback Period Production Data and Baseline Period Selection

	otal PM Emissions		Kiln 2 Total PM Emissions			Total PM	12-Month Rolling Emissions (tons)							24-Month Rolling Emissions (tons)						
	lb/mmBtu	tons	lb/ton	lb/mmBtu	tons	Tons/month	CO	NOX	Pb	THC	SO2	PM	PMf	CO	NOX	Pb	THC	SO2	PM	PMf
Sep-12	0.041	1.98	0.269	0.034	1.61	3.59	78.5	586.8	1.5E-03	2.9	576.9	40.4	10.1	149.4	1134.4	1.8E-03	5.6	1104.1	79.4	20.5
Oct-12	0.044	2.16	0.272	0.036	0.47	2.63	78.8	588.3	1.6E-03	2.9	578.7	40.5	10.2	149.0	1130.2	1.9E-03	5.6	1101.2	79.3	20.6
Nov-12	0.037	1.62	0.267	0.034	1.68	3.30	79.3	591.6	1.6E-03	2.9	590.0	40.3	9.8	151.2	1147.1	1.9E-03	5.7	1124.8	80.2	20.6
Dec-12	0.041	1.69	0.267	0.038	1.72	3.41	78.9	589.0	1.6E-03	2.9	597.5	39.8	9.4	153.9	1167.8	1.9E-03	5.8	1152.7	81.3	20.7
Jan-13	0.039	1.87	0.267	0.036	1.85	3.71	79.2	591.1	1.6E-03	2.9	611.0	39.6	9.2	157.0	1191.7	1.9E-03	5.9	1184.7	82.7	20.8
Feb-13	0.037	0.63	0.267	0.034	1.84	2.48	77.9	581.4	1.6E-03	2.8	608.2	38.7	8.7	156.2	1185.7	1.9E-03	5.9	1186.4	81.9	20.3
Mar-13	0.037	1.87	0.267	0.034	1.84	3.71	81.1	606.0	1.6E-03	3.0	647.7	40.3	9.0	157.4	1194.6	1.9E-03	5.9	1207.9	82.2	20.1
Apr-13	0.040	1.77	0.267	0.037	1.68	3.45	81.8	611.3	1.6E-03	3.0	665.6	40.5	8.9	158.0	1199.2	1.9E-03	5.9	1227.4	82.0	19.7
May-13	0.038	1.97	0.267	0.035	1.90	3.87	82.2	614.2	1.6E-03	3.0	680.1	40.3	8.6	158.1	1199.9	1.9E-03	5.9	1244.1	81.6	19.3
Jun-13	0.038	1.80	0.267	0.035	1.75	3.55	83.2	627.9	1.3E-03	3.1	706.6	41.2	8.7	158.8	1205.5	1.9E-03	6.0	1263.0	81.6	18.9
Jul-13	0.037	1.81	0.267	0.034	1.71	3.51	82.5	627.7	9.2E-04	3.1	717.8	41.0	8.3	159.4	1210.4	2.0E-03	6.0	1281.8	81.5	18.6
Aug-13	0.037	1.81	0.267	0.034	1.60	3.41	81.6	625.4	6.6E-04	3.1	726.4	40.6	8.0	159.3	1209.3	1.9E-03	6.0	1295.9	81.0	18.2
Sep-13	0.038	1.94	0.267	0.035	1.63	3.58	81.6	628.7	4.3E-04	3.1	740.8	40.6	7.7	160.1	1215.5	2.0E-03	6.0	1317.6	81.0	17.8
Oct-13	0.038	1.99	0.267	0.035	1.76	3.75	84.4	651.3	3.8E-04	3.2	772.0	41.7	7.6	163.2	1239.6	2.0E-03	6.1	1350.7	82.2	17.8
Nov-13	0.035	0.67	0.267	0.032	1.69	2.36	82.5	637.2	3.7E-04	3.2	754.2	40.8	7.4	161.8	1228.8	2.0E-03	6.1	1344.2	81.1	17.2
Dec-13	0.039	1.75	0.267	0.036	1.84	3.59	82.9	640.0	3.7E-04	3.2	757.6	41.0	7.5	161.8	1229.0	2.0E-03	6.1	1355.0	80.8	16.9
Jan-14	0.036	1.61	0.267	0.034	1.62	3.23	81.9	632.5	3.7E-04	3.2	748.5	40.5	7.4	161.1	1223.5	2.0E-03	6.0	1359.5	80.1	16.5
Feb-14	0.037	1.56	0.267	0.034	1.45	3.01	82.9	640.0	3.7E-04	3.2	758.8	41.0	7.5	160.8	1221.4	2.0E-03	6.0	1367.0	79.7	16.2
Mar-14	0.036	1.98	0.267	0.033	0.90	2.88	81.1	626.4	3.6E-04	3.1	743.9	40.2	7.4	162.3	1232.4	2.0E-03	6.1	1391.6	80.5	16.4
Apr-14	0.037	1.48	0.267	0.034	1.61	3.09	80.4	621.0	3.6E-04	3.1	737.2	39.8	7.3	162.2	1232.3	2.0E-03	6.1	1402.8	80.3	16.3
May-14	0.039	1.80	0.267	0.036	1.76	3.56	79.8	616.2	3.6E-04	3.1	731.5	39.5	7.3	162.0	1230.3	2.0E-03	6.1	1411.6	79.9	15.9
Jun-14	0.039	1.26	0.267	0.036	1.95	3.21	79.2	611.3	3.6E-04	3.0	725.0	39.2	7.2	162.4	1239.2	1.6E-03	6.1	1431.6	80.4	15.8
Jul-14	0.038	1.99	0.267	0.035	1.83	3.82	79.8	616.1	3.6E-04	3.1	730.7	39.5	7.2	162.3	1243.8	1.3E-03	6.2	1448.5	80.5	15.6
Aug-14	0.039	1.90	0.267	0.035	1.86	3.75	80.5	621.6	3.6E-04	3.1	737.0	39.8	7.3	162.1	1247.0	1.0E-03	6.2	1463.4	80.4	15.3
Sep-14	0.039	2.06	0.267	0.036	1.95	4.01	81.4	628.6	3.7E-04	3.1	745.1	40.3	7.4	163.0	1257.3	7.9E-04	6.3	1485.8	80.9	15.1
Oct-14	0.038	2.00	0.267	0.035	1.83	3.82	81.6	629.8	3.7E-04	3.1	746.5	40.3	7.4	165.9	1281.1	7.5E-04	6.4	1518.4	82.1	15.0
Nov-14	0.038	2.03	0.267	0.035	1.63	3.66	84.1	649.2	3.8E-04	3.2	771.0	41.6	7.7	166.6	1286.4	7.5E-04	6.4	1525.2	82.4	15.1
Dec-14	0.037	1.89	0.267	0.034	1.81	3.70	84.3	650.8	3.8E-04	3.2	773.1	41.8	7.7	167.2	1290.9	7.5E-04	6.4	1530.7	82.7	15.1
Jan-15	0.039	1.89	0.267	0.036	1.80	3.69	85.2	658.0	3.8E-04	3.3	781.7	42.2	7.8	167.1	1290.4	7.5E-04	6.4	1530.2	82.7	15.1
Feb-15	0.038	1.64	0.267	0.035	1.59	3.23	85.7	661.5	3.8E-04	3.3	785.8	42.4	7.8	168.6	1301.5	7.6E-04	6.5	1544.7	83.4	15.3
Mar-15	0.037	1.51	0.267	0.034	1.53	3.03	86.1	664.6	3.9E-04	3.3	788.3	42.6	7.8	167.2	1291.0	7.5E-04	6.4	1532.2	82.8	15.2
Apr-15	0.035	0.86	0.267	0.032	1.83	2.70	85.4	659.0	3.8E-04	3.3	780.8	42.2	7.7	165.8	1279.9	7.4E-04	6.4	1518.0	82.0	15.0
May-15	0.037	2.00	0.267	0.034	1.77	3.77	85.8	662.2	3.9E-04	3.3	784.7	42.4	7.8	165.6	1278.3	7.4E-04	6.4	1516.2	81.9	15.0
Jun-15	0.038	1.71	0.267	0.035	1.61	3.32	85.9	663.4	3.9E-04	3.3	787.0	42.5	7.8	165.1	1274.7	7.4E-04	6.4	1512.0	81.7	15.0

Lookback Period Production Data and Baseline Period Selection

	otal PM Emissions		Kiln 2 Total PM Emissions			Total PM	12-Month Rolling Emissions (tons)							24-Month Rolling Emissions (tons)						
	lb/mmBtu	tons	lb/ton	lb/mmBtu	tons	Tons/month	CO	NOX	Pb	THC	SO2	PM	PMf	CO	NOX	Pb	THC	SO2	PM	PMf
Jul-15	0.039	1.69	0.267	0.036	1.57	3.26	84.8	654.7	3.8E-04	3.3	776.6	42.0	7.7	164.6	1270.8	7.4E-04	6.3	1507.3	81.4	14.9
Aug-15	0.039	1.83	0.267	0.036	1.71	3.54	84.4	651.2	3.8E-04	3.2	772.6	41.7	7.7	164.9	1272.8	7.4E-04	6.3	1509.7	81.6	14.9
Sep-15	0.037	1.80	0.267	0.034	0.65	2.44	81.1	626.1	3.6E-04	3.1	743.9	40.2	7.4	162.5	1254.6	7.3E-04	6.3	1489.0	80.4	14.8
Oct-15	0.038	1.31	0.267	0.035	1.38	2.69	78.8	608.6	3.5E-04	3.0	722.9	39.0	7.2	160.4	1238.4	7.2E-04	6.2	1469.4	79.4	14.6
Nov-15	0.036	0.46	0.267	0.033	1.89	2.35	76.3	589.4	3.4E-04	2.9	698.2	37.7	6.9	160.4	1238.6	7.2E-04	6.2	1469.2	79.4	14.6
Dec-15	0.038	1.97	0.267	0.035	1.77	3.75	76.4	590.0	3.4E-04	2.9	699.1	37.8	6.9	160.7	1240.9	7.2E-04	6.2	1472.2	79.5	14.6
Jan-16	0.039	1.58	0.267	0.036	1.71	3.29	75.6	584.0	3.4E-04	2.9	691.7	37.4	6.8	160.9	1242.0	7.2E-04	6.2	1473.4	79.6	14.6
Feb-16	0.040	1.48	0.267	0.037	1.44	2.92	75.0	579.1	3.4E-04	2.9	685.9	37.1	6.8	160.7	1240.6	7.2E-04	6.2	1471.7	79.5	14.6
Mar-16	0.041	1.77	0.267	0.038	1.55	3.32	75.6	583.3	3.4E-04	2.9	691.2	37.4	6.8	161.6	1247.9	7.3E-04	6.2	1479.5	79.9	14.6
Apr-16	0.039	1.79	0.267	0.035	1.65	3.44	77.0	594.2	3.5E-04	3.0	705.2	38.1	7.0	162.3	1253.2	7.3E-04	6.2	1486.0	80.3	14.7
May-16	0.038	2.11	0.267	0.035	1.95	4.06	77.5	598.7	3.5E-04	3.0	710.5	38.4	7.0	163.3	1260.9	7.3E-04	6.3	1495.2	80.8	14.8
Jun-16	0.038	1.23	0.267	0.035	1.71	2.94	76.8	593.1	3.4E-04	3.0	703.2	38.0	7.0	162.7	1256.5	7.3E-04	6.3	1490.3	80.5	14.8
Jul-16	0.039	0.34	0.267	0.036	2.03	2.37	75.2	580.3	3.4E-04	2.9	686.2	37.1	6.7	160.0	1235.0	7.2E-04	6.2	1462.8	79.1	14.4
Aug-16	0.037	1.69	0.486	0.062	2.71	4.40	74.4	574.8	3.3E-04	2.9	657.3	38.0	7.9	158.8	1226.0	7.1E-04	6.1	1430.0	79.7	15.5
Sep-16	0.037	1.75	0.486	0.063	2.99	4.74	76.5	590.4	3.4E-04	2.9	650.7	40.3	9.4	157.6	1216.5	7.1E-04	6.1	1394.7	80.4	16.8
Oct-16	0.039	1.76	0.486	0.066	0.63	2.38	75.2	580.3	3.4E-04	2.9	626.8	40.0	9.6	154.0	1188.9	6.9E-04	5.9	1349.7	79.0	16.8
Nov-16	0.037	1.89	0.343	0.044	2.17	4.07	77.5	598.6	3.5E-04	3.0	624.9	41.7	10.3	153.9	1187.9	6.9E-04	5.9	1323.1	79.4	17.2
Dec-16	0.038	1.87	0.343	0.045	2.32	4.19	77.4	597.7	3.5E-04	3.0	597.7	42.1	10.8	153.8	1187.7	6.9E-04	5.9	1296.8	79.9	17.7
Jan-17																				
Feb-17																				
Mar-17																				
Apr-17																				
May-17																				
Jun-17																				
Jul-17																				
Aug-17																				
Sep-17																				
Oct-17																				
Nov-17																				
Dec-17																				
Jan-18																				
Feb-18																				
Mar-18																				
Apr-18																				

Lookback Period Production Data and Baseline Period Selection

	otal PM Emissions		Kiln 2 Total PM Emissions			Total PM	12-Month Rolling Emissions (tons)							24-Month Rolling Emissions (tons)						
	lb/mmBtu	tons	lb/ton	lb/mmBtu	tons	Tons/month	CO	NOX	Pb	THC	SO2	PM	PMf	CO	NOX	Pb	THC	SO2	PM	PMf
May-18																				
Jun-18																				
Jul-18																				
Aug-18																				
Sep-18																				
Oct-18																				
Nov-18																				
Dec-18																				
Jan-19																				
Feb-19																				
Mar-19																				
Apr-19																				
May-19																				
Jun-19																				
Jul-19																				
Aug-19																				
Sep-19																				
Oct-19																				
Nov-19																				
Dec-19																				
Jan-20																				
Feb-20																				
Mar-20																				
Apr-20																				
May-20																				
Jun-20																				
Jul-20																				
Aug-20																				
Sep-20																				
Oct-20																				
Nov-20																				
Dec-20																				
Jan-21																				
Feb-21																				

Lookback Period Production Data and Baseline Period Selection

	otal PM Emissions		Kiln 2 Total PM Emissions			Total PM	12-Month Rolling Emissions (tons)							24-Month Rolling Emissions (tons)						
	lb/mmBtu	tons	lb/ton	lb/mmBtu	tons	Tons/month	CO	NOX	Pb	THC	SO2	PM	PMf	CO	NOX	Pb	THC	SO2	PM	PMf
Mar-21																				
Apr-21																				
May-21																				
Jun-21																				
Jul-21																				
Aug-21																				
Sep-21																				
Oct-21																				
Nov-21																				
Dec-21																				
													11.61							21.09

Pollutant	Baseline Actual Emissions		
	Total Tons	TPY	Period
CO	168.6	84.3	Mar 2013 - Feb 2015
NO_X	1,301.5	650.7	Mar 2013 - Feb 2015
SO_2	1,544.7	772.3	Mar 2013 - Feb 2015
VOC	6.5	3.2	Mar 2013 - Feb 2015
Pb	7.6E-04	3.8E-04	Mar 2013 - Feb 2015
PM	17.7	8.9	Jan 2015 - Dec 2016
PM_{10}	80.4	40.2	Oct 2014 - Sep 2016
$PM_{2.5}$	80.4	40.2	Oct 2014 - Sep 2016

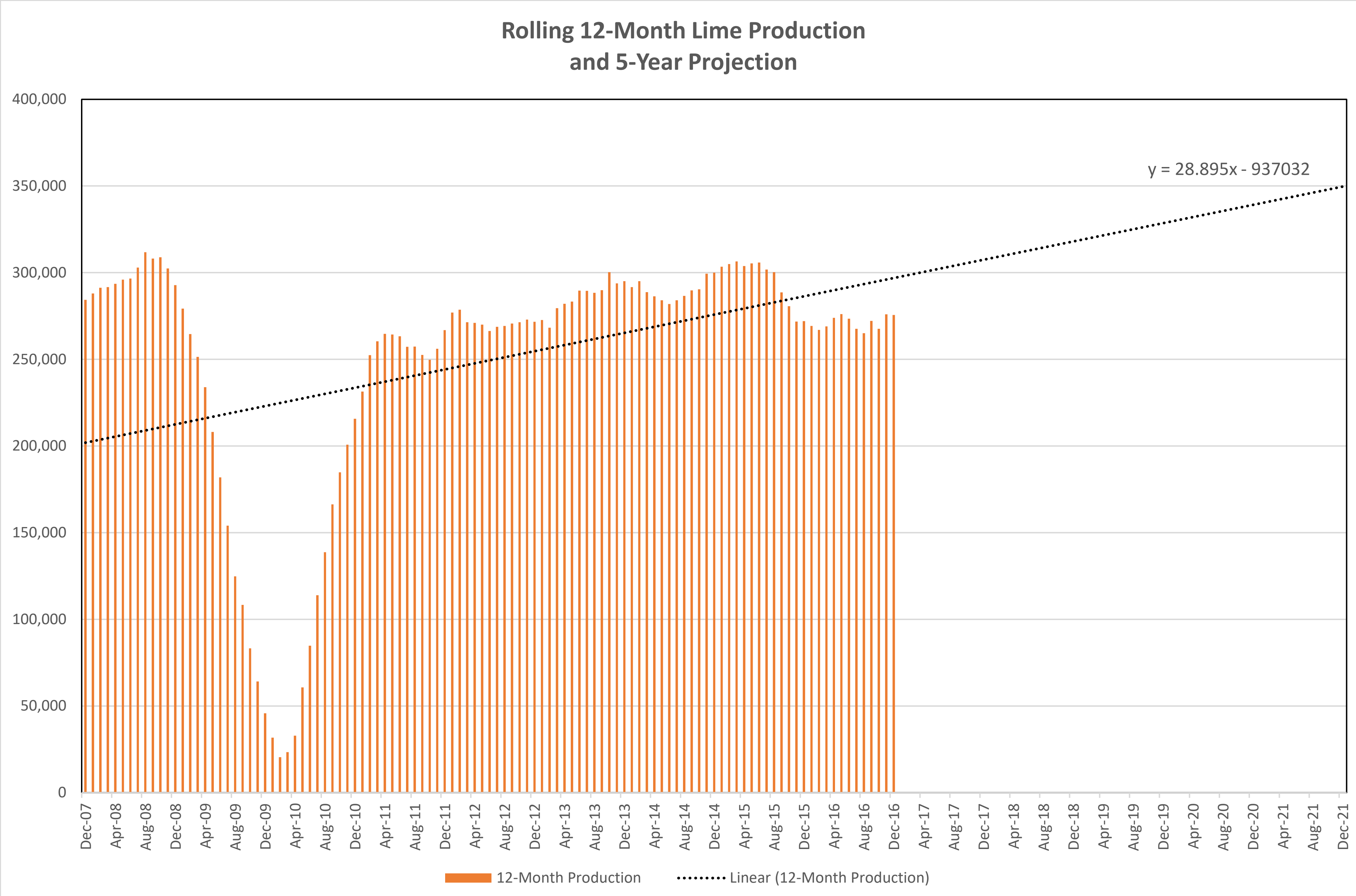
Pollutant	2013 MAERS Data			2014 MAERS Data			2015 MAERS Data			2016 MAERS Data		
	Production (tons Lime)	Emissons (lb)	Emission Factor (lb/ton Lime)	Production (tons Lime)	Emissons (lb)	Emission Factor (lb/ton Lime)	Production (tons Lime)	Emissons (lb)	Emission Factor (lb/ton Lime)	Production (tons Lime)	Emissons (lb)	Emission Factor (lb/ton Lime)
CO	295,119	156,413	0.530	300,095	159,050	0.530	272,061	144,193	0.530	275,594	146,065	0.530
NO_X	295,119	1,209,984	4.100	300,095	1,230,388	4.100	272,061	1,115,452	4.100	275,594	1,129,935	4.100
SO_2	295,119	1,518,677	5.146	300,095	1,544,287	5.146	272,061	1,400,028	5.146	275,594	876,389	3.180
PM_{10}, filterable	295,119	73,780	0.250	300,095	45,014	0.150	272,061	40,809	0.150	275,594	41,339	0.150
$PM_{2.5}$, filterable	295,119	10,919	0.037	300,095	11,104	0.037	272,061	13,875	0.051	275,594	10,197	0.037

Pollutant	MAERS Baseline				
	Production (tons Lime)	MAERS E.F. (lb/ton Lime)	Total Tons	TPY	Period
CO	600,103	0.530	159.0	79.5	Mar 2013 - Feb 2015
NO_X	600,103	4.100	1,230.2	615.1	Mar 2013 - Feb 2015
SO_2	600,103	5.146	1,544.1	772.0	Mar 2013 - Feb 2015
PM, filterable	NA	NA	NA	NA	Not MAERS Reportable
PM_{10}, filterable	560,904	0.150	42.1	21.0	Oct 2014 - Sep 2016
$PM_{2.5}$, filterable	80,287	0.037	1.5	0.7	Oct 2014 - Dec 2014
$PM_{2.5}$, filterable	272,061	0.051	6.9	3.5	Jan 2015 - Dec 2015
$PM_{2.5}$, filterable	208,556	0.037	3.9	1.9	Jan 2016 - Sep 2016
$PM_{2.5}$, filterable (total)	560,904	---	12.3	6.1	Oct 2014 - Sep 2016

Pollutant	MAERS v. Baseline Actual Emissions			Explanation
	MAERS (TPY)	BAE (TPY)	Difference (TPY)	
CO	79.5	84.3	4.8	Except for SO_2, MAERS emissions are based on emission factors for which the source is unknown. BAE emissions are based on monthly production and the most recent stack test. For CO, NO_X and PM condensables, the only stack test was in September 2007. For PM filterables and SO_2, stack tests were held in July 2010, October 2011, November 2012, August 2016 and November 2016. Because calculated BAE are based on site-specific, contemporaneous stack test data, these values are considered more accurate than a baseline calculated from MAERS.
NO_X	615.1	650.7	35.6	
SO_2	772.0	772.3	0.3	
PM, filterable	NA	17.7	NA	
PM_{10}, filterable	21.0	16.8	-4.3	
$PM_{2.5}$, filterable	6.1	16.8	10.6	

Capable of Accomodating

Pollutant	Capable of Accommodating		
	Tons/month	TPY	Period
CO	8.1	97.3	Sep-14
NO_X	62.6	750.8	Sep-14
SO_2	74.3	891.6	Sep-14
VOC	0.31	3.7	Sep-14
Pb	3.6E-05	4.4E-04	Sep-14
PM, filterable	2.0	23.6	Sep-16
PM_{10}	4.7	56.9	Sep-16
$PM_{2.5}$	4.7	56.9	Sep-16


Rolling 12-Month Lime Production
and 5-Year Projection
y = 28.895x - 937032
400,000
350,000
300,000
250,000
200,000
150,000
100,000
50,000
0
Dec-07
Apr-08
Aug-08
Dec-08
Apr-09
Aug-09
Dec-09
Apr-10
Aug-10
Dec-10
Apr-11
Aug-11
Dec-11
Apr-12
Aug-12
Dec-12
Apr-13
Aug-13
Dec-13
Apr-14
Aug-14
Dec-14
Apr-15
Aug-15
Dec-15
Apr-16
Aug-16
Dec-16
Apr-17
Aug-17
Dec-17
Apr-18
Aug-18
Dec-18
Apr-19
Aug-19
Dec-19
Apr-20
Aug-20
Dec-20
Apr-21
Aug-21
Dec-21
12-Month Production
Linear (12-Month Production)

2022 Projected Actual Production

Trendline Equation: $y = 28.895x - 937032$

Where:
y = 12-month Lime Production in Tons
x = End date for each 12-month period

Because the use of Used Oil does not increase the Design Capacity or Potential to Emit for the Kilns, the project period is 5-years:

x = December 31, 2021
In Excel, December 31, 2012 = 44561

Projected Production, $y = 28.895 \times 44{,}561 - 937{,}032$

$y =$ 350,558

Emission Calculations and PSD Applicability

Projected Operating Parameters			% of Projected Fuel Use
Projected Production	350,558	tons Lime	
Projected Heat Rate	7.63	mmBtu/ton Lime	
Projected Heat Input	2,673,851	mmBtu/yr	100%
Min. Available from COG	857,143	mmBtu/yr	32.06%
Max. Available from COG	2,250,000	mmBtu/yr	84.15%

Pollutant[6]	**Projected Emission Factors* (lb/mmBtu)**					
	Coal [1]	Natural Gas [2]	Syn Gas [3]	Used Oil [4]	Max Non-COG	Coke Oven Gas[5]
CO	0.074	0.082	0.082	0.035	0.082	0.103
NO_X	0.569	0.275	0.186	0.168	0.569	0.569
SO_2	0.493	0.001	0.079	0.397	0.493	0.661
Lead	3.3E-07	4.9E-07	4.9E-07	9.0E-06	9.0E-06	3.4E-06
VOC	0.003	0.011	0.005	0.007	0.011	0.015
PM, filt	0.022	0.005	0.005	0.023	0.023	0.026
PM_{10}, filt + cond	0.041	0.007	0.007	0.023	0.041	0.040
$PM_{2.5}$, filt + cond	0.041	0.007	0.007	0.023	0.041	0.040

* Emission factor for current fuels taken from PTI 128-17 application (see footnotes below for additional information and variations from that application)

Pollutant	Projected Emission Factors (lb/mmBtu)		Projected Emissions (ton/yr)	
	Min COG	Max COG	Min COG	Max COG
CO	0.089	0.099	118.7	132.8
NO_X	0.569	0.569	760.4	760.6
SO_2	0.547	0.635	731.4	848.4
Lead	7.2E-06	4.2E-06	0.010	0.006
VOC	0.012	0.014	16.2	19.2
PM, filt	0.024	0.025	32.0	34.0
PM_{10}, filt + cond	0.041	0.040	54.2	53.6
$PM_{2.5}$, filt + cond	0.041	0.040	54.2	53.6

Footnotes:

[1] based on average of Kiln1 and Kiln 2 stack test data

[2] CO and NO_X from AP-42 Table 1.4-1 for uncontrolled large wall fired boilers. All others from AP-42 Table 1.4-2. Conversion to lb/mmBtu based

[3] from 2011 PTI application, except PMf - equal to AP-42 for natural gas combustion

[4] from AP-42 Chapter 1.3. NO_X, SO_2, Filterable PM and CO from Table 1.3-1 for No. 2 oil fired boilers > 100mmBtu/hr, Condensable PM from Table

[5] from EES Coke Underfire MAERS emission factor for PM, filterable

[6] Other regulated NSR pollutants such as HF, H2S, TRS, and H2SO4 are not included because they are not anticipated to be emitted from the lime kilns' combustion of COG. There is no source of fluorine in the COG or the kilns to generate HF. The other pollutants are generated in oxygen lean conditions. The lime kilns are an oxygen rich environment.

Significant Emissions Increase for NSR Applicability

Pollutant	*Baseline Emissions (TPY)*	*Maximum Projected Emissions (TPY)*	*Emissions Capable of Being Accommodated (TPY)*	*Excluded Emissions (TPY)*	*Major NSR Emissions Increase (TPY)*	*PSD Threshold (TPY)*	*Threshold Status*
CO	84.3	132.8	97.3	13.0	35.5	100	Below Threshold
NO_x	650.7	760.6	750.8	100.1	9.8	40	Below Threshold
SO_2	772.3	848.4	891.6	119.3	-43.2	40	Below Threshold
Lead	3.8E-04	9.6E-03	4.4E-04	5.8E-05	9.2E-03	0.6	Below Threshold
VOC	3.24	19.2	3.74	0.50	15.4	40	Below Threshold
PM	8.9	34.0	23.6	14.7	10.4	25	Below Threshold
PM_{10}	40.2	54.2	56.9	16.7	-2.7	15	Below Threshold
$PM_{2.5}$	40.2	54.2	56.9	16.7	-2.7	10	Below Threshold

Stack Test Data

KILN 1

Pollutant	September 2007 Test Results			July 2010 Test Results			October 2011 Test Results			November 2012 Test Results			August 2016 Test Results			November 2016 Test Results		
	lb/hr	ton Lime/hr	lb/ton Lime	lb/hr	ton Lime/hr	lb/ton Lime	lb/hr	ton Lime/hr	lb/ton Lime	lb/hr	ton Lime/hr	lb/ton Lime	lb/hr	ton Lime/hr	lb/ton Lime	lb/hr	ton Lime/hr	lb/ton Lime
CO	10.39	18.5	0.562	Not Tested	Not Tested	0.562	Not Tested	Not Tested	0.562	Not Tested	Not Tested	0.562	Not Tested	Not Tested	0.562	Not Tested	Not Tested	0.562
NO_X	80.24	18.5	4.337	Not Tested	Not Tested	4.337	Not Tested	Not Tested	4.337	Not Tested	Not Tested	4.337	Not Tested	Not Tested	4.337	Not Tested	Not Tested	4.337
SO_2			1.390	60.7	18.3	3.317	85.1	17.46	4.874	103.2	18.93	5.452	70.49	19.19	3.673	Not Tested	Not Tested	3.673
Lead	4.7E-05	18.5	2.5E-06	Not Tested	Not Tested	2.5E-06	Not Tested	Not Tested	2.5E-06	Not Tested	Not Tested	2.5E-06	Not Tested	Not Tested	2.5E-06	Not Tested	Not Tested	2.5E-06
THC	0.4	18.5	0.022	Not Tested	Not Tested	0.022	Not Tested	Not Tested	0.022	Not Tested	Not Tested	0.022	Not Tested	Not Tested	0.022	Not Tested	Not Tested	0.022
PM_{filt}	0.72	18.5	0.039	1.8	18.3	0.098	1.87	17.46	0.107	1.19	18.93	0.063	1.19	19.19	0.062	Not Tested	Not Tested	0.062
PM_{cond}	4.2	18.5	0.227	Not Tested	Not Tested	0.227	Not Tested	Not Tested	0.227	Not Tested	Not Tested	0.227	Not Tested	Not Tested	0.227	Not Tested	Not Tested	0.227
$PM/PM_{10}/PM_{2.5}$	4.92	18.5	0.266	Not Tested	Not Tested	0.325	Not Tested	Not Tested	0.334	Not Tested	Not Tested	0.290	Not Tested	Not Tested	0.289	Not Tested	Not Tested	0.289

KILN 2

Pollutant	September 2007 Test Results			July 2010 Test Results			October 2011 Test Results			November 2012 Test Results			August 2016 Test Results			November 2016 Test Results		
	lb/hr	ton Lime/hr	lb/ton Lime	lb/hr	ton Lime/hr	lb/ton Lime	lb/hr	ton Lime/hr	lb/ton Lime	lb/hr	ton Lime/hr	lb/ton Lime	lb/hr	ton Lime/hr	lb/ton Lime	lb/hr	ton Lime/hr	lb/ton Lime
CO	10.39	18.5	0.562	Not Tested	Not Tested	0.562	Not Tested	Not Tested	0.562	Not Tested	Not Tested	0.562	Not Tested	Not Tested	0.562	Not Tested	Not Tested	0.562
NO_X	80.24	18.5	4.337	Not Tested	Not Tested	4.337	Not Tested	Not Tested	4.337	Not Tested	Not Tested	4.337	Not Tested	Not Tested	4.337	Not Tested	Not Tested	4.337
SO_2			4.000	86.6	18.47	4.689	68.1	18	3.783	97.6	20.09	4.858	56.44	20.79	2.715	Not Tested	Not Tested	2.715
Lead	4.7E-05	18.5	2.5E-06	Not Tested	Not Tested	2.5E-06	Not Tested	Not Tested	2.5E-06	Not Tested	Not Tested	2.5E-06	Not Tested	Not Tested	2.5E-06	Not Tested	Not Tested	2.5E-06
THC	0.4	18.5	0.022	Not Tested	Not Tested	0.022	Not Tested	Not Tested	0.022	Not Tested	Not Tested	0.022	Not Tested	Not Tested	0.022	Not Tested	Not Tested	0.022
PM_{filt}	0.72	18.5	0.039	1.34	18.47	0.073	0.86	18	0.048	0.8	20.09	0.040	5.37	20.79	0.259	2.36	20.43	0.116
PM_{cond}	4.2	18.5	0.227	Not Tested	Not Tested	0.227	Not Tested	Not Tested	0.227	Not Tested	Not Tested	0.227	Not Tested	Not Tested	0.227	Not Tested	Not Tested	0.227
$PM/PM_{10}/PM_{2.5}$	4.92	18.5	0.266	Not Tested	Not Tested	0.300	Not Tested	Not Tested	0.275	Not Tested	Not Tested	0.267	Not Tested	Not Tested	0.486	Not Tested	Not Tested	0.343

Combined Kilns 1 & 2

Pollutant	Oil Fired (with Coal) February 2019 Test Results					Coal Only February 2019 Test Results				
	lb/hr	ton Lime/hr	mmBtu/hr	lb/ton Lime	lb/mmBtu	lb/hr	ton Lime/hr	mmBtu/hr	lb/ton Lime	lb/mmBtu
CO	Not Tested	Not Tested	Not Tested	Not Tested	Not Tested	Not Tested	Not Tested	Not Tested	Not Tested	Not Tested
NO_X	Not Tested	Not Tested	Not Tested	Not Tested	Not Tested	Not Tested	Not Tested	Not Tested	Not Tested	Not Tested
SO_2	193	36.7	331.4	5.259	0.582	Not Tested	Not Tested	Not Tested	Not Tested	Not Tested
Lead	Not Tested	Not Tested	Not Tested	Not Tested	Not Tested	Not Tested	Not Tested	Not Tested	Not Tested	Not Tested
THC	Not Tested	Not Tested	Not Tested	Not Tested	Not Tested	Not Tested	Not Tested	Not Tested	Not Tested	Not Tested
PM_{cond}	3.2164	36.7	331.4	0.088	0.010	2.658	35.6	368.4	0.075	0.007
PMf	1.362	36.7	331.4	0.037	0.0041	1.574	35.6	368.4	0.044	0.0043
PMf_{10}	0.86	36.7	331.4	0.023	0.003	0.99	35.6	368.4	0.028	0.003
PMf2.5	0.35	36.7	331.4	0.010	0.001	0.387	35.6	368.4	0.011	0.001
PM	4.5784	36.7	331.4	0.125	0.014	4.232	35.6	368.4	0.119	0.011
PM_{10}	4.0764	36.7	331.4	0.111	0.012	3.648	35.6	368.4	0.102	0.010
$PM_{2.5}$	3.5664	36.7	331.4	0.097	0.011	3.045	35.6	368.4	0.086	0.008

Short-Term Emissions Changes Associated with the COG Project

Hourly Operating Parameters			% of Projected Fuel Use
Projected Production	48	tons Lime	
Projected Heat Rate	7.63	mmBtu/ton Lime	
Projected Heat Input	368	mmBtu/yr	100%
Min. Available from COG	0	mmBtu/yr	0%
Max. Available from COG	368	mmBtu/yr	100%

Pollutant	**Emission Factors* (lb/mmBtu)**					
	Coal [1]	Natural Gas [2]	Syn Gas [3]	Used Oil [4]	Non-COG	Coke Oven Gas[5]
CO	0.074	0.082	0.082	0.035	0.074	0.103
NO_X	0.569	0.275	0.186	0.168	0.569	0.569
SO_2[7]	1.276	0.001	0.079	0.397	1.276	0.842
Lead	3.3E-07	4.9E-07	4.9E-07	9.0E-06	9.0E-06	3.4E-06
VOC	0.003	0.011	0.005	0.007	0.007	0.015
PM	0.064	0.007	0.007	0.023	0.064	0.040
PM_{10}	0.064	0.007	0.007	0.023	0.064	0.040
$PM_{2.5}$	0.064	0.007	0.007	0.023	0.064	0.040

* Emission factor for current fuels taken from PTI 128-17 application for Coal and Used Oil. NG and SynGas not used as a single fuel.

Pollutant	Emission Factors (lb/mmBtu)		Hourly Emissions (lb/hr)		Emissions Change[6]	
	Non-COG	COG	Non-COG	COG	lb/hr	g/sec
CO	0.074	0.103	27.1	37.8	10.6	1.34
NO_X	0.569	0.569	209.5	209.5	0.0	0.00
SO_2	1.276	0.842	470.0	310.3	0.0	0.00
Lead	9.0E-06	3.4E-06	3.3E-03	1.2E-03	0.0E+00	0.0E+00
VOC	0.007	0.015	2.7	5.5	2.8	0.36
PM	0.064	0.040	23.5	14.7	0.0	0.00
PM_{10}	0.064	0.040	23.5	14.7	0.0	0.00
$PM_{2.5}$	0.064	0.040	23.5	14.7	0.0	0.00

Footnotes:

[1] based on average of Kiln 1 & Kiln 2 stack test data except for PM and SO2. PM based on permit limit lb/hr divided by mmBtu/hr. SO2 based on emission limit established through 1-Hr SO2 SIP Modeling.

[2] CO and NO_X from AP-42 Table 1.4-1 for uncontrolled large wall fired boilers. All others from AP-42 Table 1.4-2. Conversion to lb/mmBtu based on 1020 Btu/scf.

[3] from 2011 PTI application

[4] from AP-42 Chapter 1.3. NO_X, SO_2, Filterable PM and CO from Table 1.3-1 for No. 2 oil fired boilers > 100mmBtu/hr, Condensable PM from Table 1.3-2 for No. 2 oil fired

[5] Set equal to the hourly EES Coke permit limit (1.404 lb/mmBtu) with a 40% control efficiency due to Carmeuse's lime baghouse

[6] Zero values represent negative emissions values (decreases in emission rates)

[7] Compliance with SO2 emission limits is proposed to be demonstrated by emission calculations based on a monthly report of COG sulfur content provided by the COG supplier.

Modeled Impacts ($\mu g/m^3$)
For Unit Emission Rate (1 g/sec)

Carmeuse
River Rouge, MI

Unit Impact Results

Averaging Period	Unit Impact ($\mu g/m^3$ per g/s)					
	2017	**2018**	**2019**	**2020**	**2021**	**Max**
1-hr	2.88	2.58	2.61	2.58	2.59	2.88
3-hr	2.63	2.07	2.19	2.26	2.29	2.63
8-hr	1.69	1.72	1.79	1.83	1.59	1.83
24-hr	0.76	0.76	0.72	0.74	0.77	0.77
Annual	0.07	0.07	0.07	0.08	0.08	0.08

SIL Modeling Results
Carmeuse Lime and Stone

Averaging Period	Unit Impact	Short-Term Emission Increases and Modeled Impacts[1]									
		CO		NO_X		SO_2		Lead		$PM_{10}/PM_{2.5}$	
	($\mu g/m^3$ / g/sec)	SIL	$\mu g/m^3$	SIL	$\mu g/m^3$	SIL	$\mu g/m^3$	SIL	$\mu g/m^3$	SIL	$\mu g/m^3$
1-Hour	2.88387	2000	3.858	10	0.00	10	0.00	---	---	1.20	0.00
3-Hour	2.62698	---	---	---	---	25	0.00	---	---	---	---
8-Hour	1.8349	500	2.455	---	---	---	---	---	---	---	---
24-Hour	0.77137	---	---	---	---	---	---	---	---	5.00	0.00
3-Month[2]	0.77137	---	---	---	---	---	---	NA	0.00	---	---
Annual	0.08127	---	---	1	0.00	1	0.00	---	---	0.30	0.00

1. Dashes (---) represent pollutant/avg period combinations for which there is no standard. Zero values indicate a negative or zero emissions increase.
2. Quarterly model impacts were not run. Conservatively used 24-hour impacts to approximate quarterly impacts.

Pollutant	CAS Number	Toxics from Existing Fuels (Coal, NatGas, SynGas, Used Oil)	AP42 Coke Making Emission Factors			Max TAC Emission Rate at Max Heat Input
		Emission Rate	Table No.	Emission Factor[1]		
		Lb/hr		lb/ton coal	lb/mmBtu	Lb/hr
Formaldehyde	50-00-0	9.81E-02				9.81E-02
Benzo(a)pyrene	50-32-8	7.53E-05	12.2-17	1.63E-05	6.15E-06	2.27E-03
Dibenzo(a,h)anthracene	53-70-3	7.85E-05	12.2-17	2.96E-08	1.12E-08	7.85E-05
3-Methylchoranthene	56-49-5	9.68E-04				9.68E-04
Benz(a)anthracene	56-55-3	8.38E-05	12.2-17	9.28E-08	3.50E-08	8.38E-05
Cyanide	57-12-5	3.61E-02				3.61E-02
7,12-Dimethylbenz(a)anthracene	57-97-6	8.69E-07				8.69E-07
Methyl hydrazine	60-34-4	2.45E-03				2.45E-03
Benzoic Acid	65-85-0	0.00E+00	12.2-16	8.27E-05	3.12E-05	1.15E-02
Acetone	67-64-1	0.00E+00	12.2-16	5.90E-02	2.23E-02	8.20E+00
Chloroform	67-66-3	8.52E-04				8.52E-04
Benzene	71-43-2	1.88E-02	12.2-16	1.50E-02	5.66E-03	2.09E+00
1,1,1-Trichloroethane	71-55-6	6.16E-04				6.16E-04
Methyl bromide	74-83-9	2.31E-03				2.31E-03
Methyl chloride	74-87-3	7.65E-03	12.2-16	6.40E-03	2.42E-03	8.90E-01
Ethyl chloride	75-00-3	6.07E-04				6.07E-04
Acetaldehyde	75-07-0	8.23E-03				8.23E-03
Methylene chloride	75-09-2	4.19E-03				4.19E-03
Carbon Disulfide	75-15-0	1.88E-03				1.88E-03
Bromoform	75-25-2	5.63E-04				5.63E-04
Dimethyl sulfate	77-78-1	6.93E-04				6.93E-04
Isophorone	78-59-1	8.38E-03				8.38E-03
Methyl ethyl ketone	78-93-3	5.63E-03				5.63E-03
Methyl methacrylate	80-62-6	2.89E-04				2.89E-04
Acenaphthene	83-32-9	1.23E-04	12.2-17	2.26E-07	8.53E-08	1.23E-04
Diethyl Phthalate	84-66-2	0.00E+00	12.2-16	1.98E-05	7.47E-06	2.75E-03
Phenanthrene	85-01-8	1.10E-04	12.2-17	7.79E-06	2.94E-06	1.08E-03
Fluorene	86-73-7	8.78E-05	12.2-17	8.81E-07	3.32E-07	1.22E-04
Naphthalene	91-20-3	4.88E-02	12.2-17	8.29E-05	3.13E-05	4.88E-02
2-Methylnaphthalene	91-57-6	1.30E-06	12.2-17	2.91E-06	1.10E-06	4.05E-04
Biphenyl	92-52-4	2.45E-05				2.45E-05

Pollutant	CAS Number	Toxics from Existing Fuels (Coal, NatGas, SynGas, Used Oil) Emission Rate Lb/hr	AP42 Coke Making Emission Factors Table No.	Emission Factor[1] lb/ton coal	Emission Factor[1] lb/mmBtu	Max TAC Emission Rate at Max Heat Input Lb/hr
Cumene	98-82-8	7.65E-05				7.65E-05
Acetophenone	98-86-2	2.17E-04				2.17E-04
Ethylbenzene	100-41-4	1.36E-03				1.36E-03
Styrene	100-42-5	3.61E-04				3.61E-04
Benzyl Chloride	100-44-7	1.01E-02				1.01E-02
2,4-Dimethyl Phenol	105-67-9	0.00E+00	12.2-16	8.33E-06	3.14E-06	1.16E-03
Ethylene dibromide	106-93-4	1.73E-05				1.73E-05
Butane	106-97-8	1.14E-01				1.14E-01
Acrolein	107-02-8	4.19E-03				4.19E-03
Ethylene dichloride	107-06-2	5.78E-04				5.78E-04
Vinyl acetate	108-05-4	1.10E-04				1.10E-04
Toluene	108-88-3	1.48E-02	12.2-16	6.60E-03	2.49E-03	9.18E-01
Chlorobenzene	108-90-7	3.18E-04				3.18E-04
Phenol	108-95-2	2.31E-04	12.2-16	5.11E-06	1.93E-06	7.10E-04
Pentane	109-66-0	1.41E-01				1.41E-01
Hexane	110-54-3	9.79E-02				9.79E-02
Bis(2-ethylhexyl)phthalate	117-81-7	1.05E-03	12.2-16	6.79E-06	2.56E-06	1.05E-03
Anthracene	120-12-7	7.82E-05	12.2-17	2.02E-07	7.62E-08	7.82E-05
2,4-Dinitrotoluene	121-14-2	4.04E-06				4.04E-06
Propionaldehyde	123-38-6	5.49E-03				5.49E-03
Tetrachloroethylene	127-18-4	6.21E-04				6.21E-04
Pyrene	129-00-0	8.94E-05	12.2-17	4.64E-06	1.75E-06	6.45E-04
Benzo(g,h,i)perylene	191-24-2	7.98E-05	12.2-17	5.55E-08	2.09E-08	7.98E-05
Benzo(e)pyrene1	192-97-2	0.00E+00	12.2-17	3.38E-07	1.28E-07	4.70E-05
Indeno(1,2,3-cd)pyrene	193-39-5	7.97E-05	12.2-17	4.11E-08	1.55E-08	7.97E-05
Perylene1	198-55-0	0.00E+00	12.2-17	2.96E-08	1.12E-08	4.12E-06
Benzo(j)fluoranthene	205-82-3	1.59E-06				1.59E-06
Benzo(b)fluoranthene	205-99-2	7.84E-05	12.2-17	1.94E-07	7.32E-08	7.84E-05
Fluoranthene	206-44-0	8.79E-05	12.2-17	3.52E-06	1.33E-06	4.89E-04
Benzo(k)fluoranthene	207-08-9	7.84E-05	12.2-17	6.70E-08	2.53E-08	7.84E-05
Acenaphthylene	208-96-8	7.80E-05	12.2-17	1.08E-05	4.08E-06	1.50E-03

Pollutant	CAS Number	Toxics from Existing Fuels (Coal, NatGas, SynGas, Used Oil)	AP42 Coke Making Emission Factors			Max TAC Emission Rate at Max Heat Input
		Emission Rate	Table No.	Emission Factor[1]		
		Lb/hr		lb/ton coal	lb/mmBtu	Lb/hr
Chrysene	218-01-9	8.04E-05	12.2-17	3.28E-07	1.24E-07	8.04E-05
2-Chloroacetophenone	532-27-4	1.01E-04				1.01E-04
Dichlorobenzene	541-73-1	6.51E-05				6.51E-05
Vanadium	1314-62-1	5.62E-05				5.62E-05
Xylene	1330-20-7	5.34E-04				5.34E-04
Methyl tert butyl ether	1634-04-4	5.05E-04				5.05E-04
2,3,7,8-TCDD	1746-01-6	2.07E-10				2.07E-10
Total OCDD	3268-87-9	9.29E-06				9.29E-06
5-Methylchrysene	3697-24-3	3.18E-07				3.18E-07
Manganese	7439-96-5	1.33E-04	12.2-15	2.52E-06	9.51E-07	3.50E-04
Mercury	7439-97-6	6.43E-04				6.43E-04
Molybdenum	7439-98-7	1.44E-06				1.44E-06
Nickel	7440-02-0	7.19E-03	12.2-15	1.87E-06	7.06E-07	7.19E-03
Thallium	7440-28-0	0.00E+00	12.2-15	6.71E-07	2.53E-07	9.33E-05
Antimony	7440-36-0	3.68E-05				3.68E-05
Arsenic	7440-38-2	1.16E-04	12.2-15	3.27E-06	1.23E-06	4.55E-04
Barium	7440-39-3	4.73E-06	12.2-15	4.71E-06	1.78E-06	6.55E-04
Beryllium	7440-41-7	2.41E-05	12.2-15	3.94E-08	1.49E-08	2.41E-05
Cadmium	7440-43-9	4.40E-05	12.2-15	1.99E-07	7.51E-08	4.40E-05
Chromium	7440-47-3	2.69E-04	12.2-15	7.19E-06	2.71E-06	1.00E-03
Cobalt	7440-48-4	1.12E-04				1.12E-04
Copper	7440-50-8	4.90E-04	12.2-15	3.41E-06	1.29E-06	4.90E-04
Hydrogen Chloride	7647-01-0	1.73E+01	12.2-16	2.60E-02	9.81E-03	1.73E+01
Hydrogen Fluoride	7664-39-3	2.17E+00				2.17E+00
Ammonia	7664-41-7	2.23E+00				2.23E+00
Phosphorus	7723-14-0	1.67E-05	12.2-15	2.80E-05	1.06E-05	3.89E-03
Selenium	7782-49-2	2.44E-04	12.2-15	3.52E-06	1.33E-06	4.89E-04
Hydrogen Sulfide	7783-06-4	7.62E-02				7.62E-02
Chromium VI	18540-29-9	7.26E-07				7.26E-07
Total TCDF	30402-14-3	5.83E-09				5.83E-09
Total PeCDF	30402-15-4	5.10E-09				5.10E-09

Pollutant	CAS Number	Toxics from Existing Fuels (Coal, NatGas, SynGas, Used Oil)	AP42 Coke Making Emission Factors			Max TAC Emission Rate at Max Heat Input
		Emission Rate	Table No.	Emission Factor[1]		
		Lb/hr		lb/ton coal	lb/mmBtu	Lb/hr
Total HxCDD	34465-46-8	4.14E-10				4.14E-10
Total PeCDD	36088-22-9	6.46E-10				6.46E-10
Total HpCDD	37871-00-4	1.20E-09				1.20E-09
Total HpCDF	38998-75-3	1.11E-09				1.11E-09
Total OCDF	39001-02-0	9.57E-10				9.57E-10
Total TCDD	41903-57-5	1.34E-09				1.34E-09
2,3,7,8-TCDF	51207-31-9	7.36E-10				7.36E-10
Total HxCDF	55684-94-1	2.77E-09				2.77E-09
Total B(a)P-eq PAH[2]	130498-29-2	5.52E-03	NA	1.64E-05	6.18E-06	5.52E-03

1. AP-42 emission factors provided as lb/ton of coal charged to the coke battery. EES Coke generates approximately 2.65 mmBtu per ton of coal charged. This value was used to convert AP-42 from lb/ton coal to lb/mmBtu.
2. Total PAH potential equivalency factors determined per Footnote 5 of ITSL/IRSL Toxics Screening Level Query and MDEQ Interoffice Communication "Screening Levels for Polycyclic Aromatic Hydrocarbons", dated February 7, 2017

TAC	CAS Number	Emission Rate		Primary ITSL		Secondary ITSL		IRSL	AQD Footnote	Primary ITSL Compliance		Secondary ITSL Compliance		IRSL Compliance	
		lb/hr	g/sec	Value	Period	Value	Period			Impact	% of ITSL	Impact	% of ITSL	Impact	% of ITSL
Formaldehyde	50-00-0	9.81E-02	1.24E-02	30	24 hr			0.08		9.53E-03	0.03%			1.00E-03	1.26%
Benzo(a)pyrene	50-32-8	2.27E-03	2.86E-04	0.002	24 hr			0.001	5	2.20E-04	11.01%			2.32E-05	2.32%
Dibenzo(a,h)anthracene	53-70-3	7.85E-05	9.89E-06						5						
3-Methylchoranthene	56-49-5	9.68E-04	1.22E-04						5						
Benz(a)anthracene	56-55-3	8.38E-05	1.06E-05						5						
Cyanide	57-12-5	3.61E-02	4.55E-03	0.8	annual	50	1 hr		13	3.70E-04	0.05%	1.31E-02	0.03%		
7,12-Dimethylbenz(a)anthracene	57-97-6	8.69E-07	1.09E-07						5						
Methyl hydrazine	60-34-4	2.45E-03	3.09E-04	0.03	annual			0.0087		2.51E-05	0.08%			2.51E-05	0.29%
Benzoic Acid	65-85-0	1.15E-02	1.45E-03	12	annual	15	24 hr		26	1.18E-04	0.00%	1.12E-03	0.01%		
Acetone	67-64-1	8.20E+00	1.03E+00	5900	8 hr					1.90E+00	0.03%				
Chloroform	67-66-3	8.52E-04	1.07E-04					0.4						8.73E-06	0.00%
Benzene	71-43-2	2.09E+00	2.63E-01	30	annual	30	24 hr	0.1		2.14E-02	0.07%	2.03E-01	0.68%	2.14E-02	21.36%
1,1,1-Trichloroethane	71-55-6	6.16E-04	7.76E-05	6000	24 hr					5.98E-05	0.00%				
Methyl bromide	74-83-9	2.31E-03	2.91E-04	5	annual					2.37E-05	0.00%				
Methyl chloride	74-87-3	8.90E-01	1.12E-01	90	annual				21	9.11E-03	0.01%				
Ethyl chloride	75-00-3	6.07E-04	7.64E-05	10000	24 hr					5.90E-05	0.00%				
Acetaldehyde	75-07-0	8.23E-03	1.04E-03	9	annual			0.5		8.43E-05	0.00%			8.43E-05	0.02%
Methylene chloride	75-09-2	4.19E-03	5.28E-04	2000	annual	14000	1 hr	60	13	4.29E-05	0.00%	1.52E-03	0.00%	4.29E-05	0.00%
Carbon Disulfide	75-15-0	1.88E-03	2.37E-04	700	annual					1.92E-05	0.00%				
Bromoform	75-25-2	5.63E-04	7.10E-05					0.9						5.77E-06	0.00%
Dimethyl sulfate	77-78-1	6.93E-04	8.73E-05	0.5	8 hr					1.60E-04	0.03%				
Isophorone	78-59-1	8.38E-03	1.06E-03	280	1 hr			3.7		3.04E-03	0.00%			8.58E-05	0.00%
Methyl ethyl ketone	78-93-3	5.63E-03	7.10E-04	5000	24 hr					5.47E-04	0.00%				
Methyl methacrylate	80-62-6	2.89E-04	3.64E-05	700	annual					2.96E-06	0.00%				
Acenaphthene	83-32-9	1.23E-04	1.55E-05	210	annual					1.26E-06	0.00%				
Diethyl Phthalate	84-66-2	2.75E-03	3.47E-04	2800	annual					2.82E-05	0.00%				
Phenanthrene	85-01-8	1.08E-03	1.36E-04	0.1	annual					1.11E-05	0.01%				
Fluorene	86-73-7	1.22E-04	1.54E-05	140	annual					1.25E-06	0.00%				
Naphthalene	91-20-3	4.88E-02	6.14E-03	3	annual	520	8 hr	0.08		4.99E-04	0.02%	1.13E-02	0.00%	4.99E-04	0.62%
2-Methylnaphthalene	91-57-6	4.05E-04	5.10E-05	10	annual					4.14E-06	0.00%				
Biphenyl	92-52-4	2.45E-05	3.09E-06	13	8 hr			0.43		5.68E-06	0.00%			2.51E-07	0.00%
Cumene	98-82-8	7.65E-05	9.64E-06	400	annual			0.1		7.84E-07	0.00%			7.84E-07	0.00%
Acetophenone	98-86-2	2.17E-04	2.73E-05	490	8 hr					5.01E-05	0.00%				
Ethylbenzene	100-41-4	1.36E-03	1.71E-04	1000	24 hr			0.4		1.32E-04	0.00%			1.39E-05	0.00%
Styrene	100-42-5	3.61E-04	4.55E-05	1000	annual			2		3.70E-06	0.00%			3.70E-06	0.00%
Benzyl Chloride	100-44-7	1.01E-02	1.27E-03					0.02						1.04E-04	0.52%
2,4-Dimethyl Phenol	105-67-9	1.16E-03	1.46E-04	70	annual					1.19E-05	0.00%				
Ethylene dibromide	106-93-4	1.73E-05	2.18E-06	9	annual			0.002		1.78E-07	0.00%			1.78E-07	0.01%
Butane	106-97-8	1.14E-01	1.44E-02	23800	8 hr				22	2.64E-02	0.00%				
Acrolein	107-02-8	4.19E-03	5.28E-04	0.16	annual	5	1 hr		13	4.29E-05	0.03%	1.52E-03	0.03%		
Ethylene dichloride	107-06-2	5.78E-04	7.28E-05					0.04						5.92E-06	0.01%
Vinyl acetate	108-05-4	1.10E-04	1.38E-05	200	annual					1.12E-06	0.00%				
Toluene	108-88-3	9.18E-01	1.16E-01	5000	24 hr					8.92E-02	0.00%				
Chlorobenzene	108-90-7	3.18E-04	4.00E-05	50	annual	4400	8 hr			3.25E-06	0.00%	7.35E-05	0.00%		

TAC	CAS Number	Emission Rate		Primary ITSL		Secondary ITSL		IRSL	AQD Footnote	Primary ITSL Compliance		Secondary ITSL Compliance		IRSL Compliance	
		lb/hr	g/sec	Value	Period	Value	Period			Impact	% of ITSL	Impact	% of ITSL	Impact	% of ITSL
Phenol	108-95-2	7.10E-04	8.95E-05	190	8 hr					1.64E-04	0.00%				
Pentane	109-66-0	1.41E-01	1.78E-02	17700	8 hr					3.26E-02	0.00%				
Hexane	110-54-3	9.79E-02	1.23E-02	700	annual					1.00E-03	0.00%				
Bis(2-ethylhexyl)phthalate	117-81-7	1.05E-03	1.33E-04	70	annual			0.61		1.08E-05	0.00%			1.08E-05	0.00%
Anthracene	120-12-7	7.82E-05	9.85E-06	1000	annual					8.01E-07	0.00%				
2,4-Dinitrotoluene	121-14-2	4.04E-06	5.09E-07	2	8 hr			0.009		9.35E-07	0.00%			4.14E-08	0.00%
Propionaldehyde	123-38-6	5.49E-03	6.91E-04	8	annual					5.62E-05	0.00%				
Tetrachloroethylene	127-18-4	6.21E-04	7.82E-05	40	annual	1400	24 hr	4	13	6.36E-06	0.00%	6.04E-05	0.00%	6.36E-06	0.00%
Pyrene	129-00-0	6.45E-04	8.13E-05	100	annual					6.61E-06	0.00%				
Benzo(g,h,i)perylene	191-24-2	7.98E-05	1.01E-05	13	annual					8.18E-07	0.00%				
Benzo(e)pyrene	192-97-2	4.70E-05	5.92E-06	0.1	annual					4.81E-07	0.00%				
Indeno(1,2,3-cd)pyrene	193-39-5	7.97E-05	1.00E-05						5						
Perylene	198-55-0	4.12E-06	5.18E-07	0.1	annual					4.22E-08	0.00%				
Benzo(j)fluoranthene	205-82-3	1.59E-06	2.00E-07						5						
Benzo(b)fluoranthene	205-99-2	7.84E-05	9.88E-06						5						
Fluoranthene	206-44-0	4.89E-04	6.17E-05	140	annual					5.01E-06	0.00%				
Benzo(k)fluoranthene	207-08-9	7.84E-05	9.88E-06						5						
Acenaphthylene	208-96-8	1.50E-03	1.89E-04	35	annual					1.54E-05	0.00%				
Chrysene	218-01-9	8.04E-05	1.01E-05						5						
2-Chloroacetophenone	532-27-4	1.01E-04	1.27E-05	0.03	annual					1.04E-06	0.00%				
Dichlorobenzene	541-73-1	6.51E-05	8.21E-06	3	annual					6.67E-07	0.00%				
Vanadium	1314-62-1	5.62E-05	7.08E-06	0.5	1 hr					2.04E-05	0.00%				
Xylene	1330-20-7	5.34E-04	6.73E-05	390	annual				2	5.47E-06	0.00%				
Methyl tert butyl ether	1634-04-4	5.05E-04	6.37E-05	3000	annual					5.18E-06	0.00%				
2,3,7,8-TCDD	1746-01-6	2.07E-10	2.60E-11	0.000002	annual			2.3E-08	33	2.12E-12	0.00%			2.12E-12	0.01%
Total OCDD	1746-01-6	2.07E-10	2.60E-11	0.000002	annual			2.3E-08	33	2.12E-12	0.00%			2.12E-12	0.01%
5-Methylchrysene	3697-24-3	3.18E-07	4.00E-08						5						
Manganese	7439-96-5	3.50E-04	4.41E-05	0.3	annual				29	3.59E-06	0.00%				
Mercury	7439-97-6	6.43E-04	8.10E-05	0.3	annual	1	24 hr		7	6.59E-06	0.00%	6.25E-05	0.01%		
Molybdenum	7439-98-7	1.44E-06	1.81E-07	30	8 hr					3.32E-07	0.00%				
Nickel	7440-02-0	7.19E-03	9.06E-04					0.006						7.37E-05	1.23%
Thallium	7440-28-0	9.33E-05	1.18E-05	0.1	annual	0.2	8 hr			9.56E-07	0.00%	2.16E-05	0.01%		
Antimony	7440-36-0	3.68E-05	4.63E-06	0.2	annual					3.76E-07	0.00%				
Arsenic	7440-38-2	4.55E-04	5.73E-05					0.0002						4.66E-06	2.33%
Barium	7440-39-3	6.55E-04	8.25E-05	5	8 hr				35	1.51E-04	0.00%				
Beryllium	7440-41-7	2.41E-05	3.04E-06	0.02	24 hr			0.0004		2.35E-06	0.01%			2.47E-07	0.06%
Cadmium	7440-43-9	4.40E-05	5.55E-06					0.0006						4.51E-07	0.08%
Chromium (see 18540-29-9)	7440-47-3	1.00E-03	1.26E-04						17						
Cobalt	7440-48-4	1.12E-04	1.41E-05	0.2	8 hr			0.00013	42	2.59E-05	0.01%			1.15E-06	0.88%
Copper	7440-50-8	4.90E-04	6.17E-05	2	8 hr					1.13E-04	0.01%				
Hydrogen Chloride	7647-01-0	1.73E+01	2.18E+00	20	annual	2100	1 hr		13	1.78E-01	0.89%	6.30E+00	0.30%		
Hydrogen Fluoride	7664-39-3	2.17E+00	2.73E-01	14	annual	240	1 hr		13	2.22E-02	0.16%	7.87E-01	0.33%		
Ammonia	7664-41-7	2.23E+00	2.81E-01	350	1 hr				39	8.09E-01	0.23%				
Phosphorus	7723-14-0	3.89E-03	4.90E-04	20	24 hr				32	3.78E-04	0.00%				
Selenium	7782-49-2	4.89E-04	6.17E-05	2	8 hr				34	1.13E-04	0.01%				

TAC	CAS Number	Emission Rate		Primary ITSL		Secondary ITSL		IRSL	AQD Footnote	Primary ITSL Compliance		Secondary ITSL Compliance		IRSL Compliance	
		lb/hr	g/sec	Value	Period	Value	Period			Impact	% of ITSL	Impact	% of ITSL	Impact	% of ITSL
Hydrogen Sulfide	7783-06-4	7.62E-02	9.61E-03	10	annual	100	24 hr			7.81E-04	0.01%	7.41E-03	0.01%		
Chromium VI	18540-29-9	7.26E-07	9.15E-08	0.008	annual			0.000083		7.44E-09	0.00%			7.44E-09	0.01%
Total TCDF	30402-14-3	5.83E-09	7.35E-10						33						
Total PeCDF	30402-15-4	5.10E-09	6.42E-10						33						
Total HxCDD	34465-46-8	4.14E-10	5.22E-11						33						
Total PeCDD	36088-22-9	6.46E-10	8.13E-11						33						
Total HpCDD	37871-00-4	1.20E-09	1.52E-10						33						
Total HpCDF	38998-75-3	1.11E-09	1.40E-10						33						
Total OCDF	39001-02-0	9.57E-10	1.21E-10						33						
Total TCDD	41903-57-5	1.34E-09	1.69E-10						33						
2,3,7,8-TCDF	51207-31-9	7.36E-10	9.28E-11						33						
Total HxCDF	55684-94-1	2.77E-09	3.49E-10						33						
Total B(a)P-eq PAH[1]	130498-29-2	5.52E-03	6.95E-04	0.002	24 hr			0.001	5	5.36E-04	26.82%			5.65E-05	5.65%

1. Total PAH potential equivalency factors determined per Footnote 5 of ITSL/IRSL Toxics Screening Level Query and MDEQ Interoffice Communication "Screening Levels for Polycyclic Aromatic Hydroc

ID	CAS Number	Chemical Name	Molecular Weight	Screening Level Review Status	AQD footnote	AQD ITSL	AQD Averaging Time	AQD Calculation Date	AQD ITSL Basis	AQD Secondary ITSL	AQD Secondary ITSL Averaging Time	AQD Secondary ITSL Basis	AQD IRSL	AQD SRSL	AQD Carcinogenicity Averaging Time	AQD Carcinogenicity Calculation Date	AQD IRSL Basis
585282	-00-0	n-chloro-2,6-difluorobenzamide		FINAL		0.1	annual	10/17/2003	AQD								
585283	-00-0	heptamethyl-1-vinyl-1,7-dichlorotetrasilazane		FINAL		0.1	annual	11/10/1998	AQD								
585284	-00-0	biosam tp-1.5		FINAL	4	0.02	1 hr	1/8/1997	TLV								
585285	-00-0	triethylammonium suleptanate		FINAL		17	annual	10/19/1994	AQD								
585286	-00-0	atlox 848		FINAL		0.1	annual	11/10/1998	AQD								
585287	-00-0	epoxy resin solution		FINAL		6	annual	8/11/1999	AQD								
585288	-00-0	trichloroethylene		FINAL		0.1	annual	10/17/2003	AQD								
585289	-00-0	amyl acetate (mixture)	130	FINAL		1100	annual	4/22/2016	AQD								
585290	-00-0	jet fuels	170	FINAL	44	200	annual	11/22/2021	AQD	2000	8 hr	TLV/REL					
585291	-00-0	n-butylglucamine		FINAL		6.4	annual	10/12/1993	AQD								
585292	-00-0	ad acid		FINAL		17	annual	10/19/1994	AQD								
585293	50-00-0	formaldehyde	30.03	FINAL		30	24 hr	2/18/2014	AQD				0.08	0.8	annual	2/3/1988	EPA
585294	50-03-3	hydrocortisone acetate	404.55	FINAL		15	annual	12/8/1994	AQD/SAP								
585295	50-21-5	lactic acid	90.09	FINAL		7	annual	6/29/1999	AQD								
585296	50-28-2	estradiol	272.42	FINAL		0.1	annual	11/10/1998	AQD								
585297	50-29-3	ddt	354.48	FINAL	12								0.01	0.1	annual	6/24/1987	EPA
585298	50-32-8	benzo(a)pyrene	252.32	FINAL	5	0.002	24 hr	2/7/2017	EPA				0.001	0.01	annual	2/7/2017	EPA
585299	51-28-5	2,4-dinitrophenol	184.1	FINAL		7	annual	12/29/2015	AQD								
585300	53-36-1	methyl predisolone acetate	416.56	FINAL		43	annual	12/8/1994	AQD/SAP								
585301	53-70-3	dibenz(a,h)anthracene	278.36	FINAL	5										annual	11/4/2015	AQD/SAP
585302	56-23-5	carbon tetrachloride	153.81	FINAL		480	annual	8/12/2015	EPA				0.17	1.7	annual	4/1/2010	EPA
585303	56-49-5	3-methylcholanthrene		FINAL	5											11/2/2015	
585304	56-55-3	benz(a)anthracene	228.3	FINAL	5										annual	11/4/2015	
585305	56-81-5	glycerol	92.11	FINAL		100	8 hr	7/9/1996	TLV								
585306	57-11-4	stearic acid	284.54	FINAL		100	8 hr	1/25/1995	TLV								
585307	57-12-5	cyanide	26.02	FINAL	13	0.8	annual	8/19/2015	EPA	50	1 hr	TLV/REL					
585308	57-15-8	chlorobutanol	177.46	FINAL		0.1	annual	11/10/1998	AQD								
585309	57-41-0	phenytoin	252.29	FINAL									0.07	0.7	annual	10/19/2010	AQD
585310	57-74-9	chlordane (technical)		FINAL		0.7	annual	3/17/1998	EPA				0.01	0.1	annual	11/3/1997	EPA
585311	57-83-0	progesterone	314.51	FINAL		0.1	annual	11/10/1998	AQD								
585312	57-97-6	7,12-dimethylbenz(a)anthracene		FINAL	5											11/2/2015	
585313	58-36-6	10,10'-oxybisphenoxarsine oxide	502	FINAL		0.2	annual	7/16/2003	AQD								
585314	60-29-7	ethyl ether	74.14	FINAL		12000	8 hr	9/11/1996	TLV								
585315	60-34-4	methyl hydrazine	46.09	FINAL		0.03	annual	12/29/2015	AQD				0.0087	0.087	annual	5/15/2008	AQD
585316	60-57-1	dieldrin	380.9	FINAL									0.0002	0.002	annual	10/15/1992	EPA
585317	62-53-3	aniline	93.14	FINAL		1	annual	4/17/2012	EPA	76	8 hr	TLV/REL	0.6	6	annual	4/17/2012	EPA
585318	62-73-7	dichlorvos	220.98	FINAL	3	0.5	annual	6/1/1994	EPA								
585319	62-75-9	n-nitrosodimethylamine	74.1	FINAL									0.00007	0.0007	annual	3/13/2006	EPA
585320	63-05-8	androstenedione	286.45	FINAL		17	annual	10/19/1994	AQD								
585321	64-02-8	ethylenediamine tetra-acetic acid, tetrasodium salt	380	FINAL		0.1	annual	8/31/2000	AQD								
585322	64-04-0	beta phenylethylamine	121.2	FINAL		0.1	annual	11/10/1998	AQD								
585323	64-17-5	ethyl alcohol	46.08	FINAL		19000	1 hr	2/9/2017	TLV								
585324	64-18-6	formic acid	46.03	FINAL		2	annual	12/29/2015	AQD								
585325	64-19-7	acetic acid	60.06	FINAL		1200	1 hr	12/28/2016	AQD								
585326	64-67-5	diethyl sulfate	154.2	FINAL		1	annual	5/7/1993	AQD								
585327	65-85-0	benzoic acid	122.12	FINAL	26			7/23/2012	NAAQS								
585328	66-25-1	hexanaldehyde	100.2	FINAL		2	annual	12/3/2004	AQD								
585329	67-56-1	methanol	32.05	FINAL		20000	24 hr	11/26/2013	EPA	28000	1 hr	AQD					
585330	67-63-0	isopropyl alcohol	60.11	FINAL		220	annual	8/19/1993	AQD/SAP								
585331	67-64-1	acetone	58.09	FINAL		5900	8 hr	6/18/1992	NIOSH								
585332	67-66-3	chloroform	119.37	FINAL									0.4	4	annual	3/27/1991	AQD
585333	67-68-5	dimethylsulfoxide		FINAL		20	annual	12/13/2005	AQD								
585334	67-72-1	hexachloroethane	236.72	FINAL	13	30	annual	9/19/2012	EPA	1600	8 hr	AQD	0.1	1	annual	9/19/2012	EPA
585335	68-12-2	N,N-dimethylformamide	73.11	FINAL		30	annual	8/13/2015	EPA								
585336	71-23-8	n-propyl alcohol	60.11	FINAL		2500	8 hr	5/8/2019	TLV								
585337	71-36-3	n-butanol	74.14	FINAL		350	annual	7/22/1992	EPA								
585338	71-41-0	amyl alcohol	88.17	FINAL		120	annual	1/4/1993	AQD								
585339	71-43-2	benzene	78.12	FINAL		30	annual	2/6/2012	EPA	30	24 hr	EPA/RfD	0.1	1	annual	10/9/1987	EPA
585340	71-55-6	methyl chloroform		FINAL		6000	24 hr	9/28/2007	EPA								
585341	72-54-8	DDD (TDE)		FINAL	12								0.01	0.1	annual	8/31/1999	EPA
585342	72-55-9	DDE, p,p'-		FINAL	12								0.01	0.1	annual	8/31/1999	EPA

ID	CAS Number	Chemical Name	Molecular Weight	Screening Level Review Status	AQD footnote	AQD ITSL	AQD Averaging Time	AQD Calculation Date	AQD ITSL Basis	AQD Secondary ITSL	AQD Secondary ITSL Averaging Time	AQD Secondary ITSL Basis	AQD IRSL	AQD SRSL	AQD Carcinogenicity Averaging Time	AQD Carcinogenicity Calculation Date	AQD IRSL Basis
585343	74-83-9	methyl bromide	94.95	FINAL		5	annual	12/29/2015	EPA								
585344	74-85-1	ethylene	28.06	FINAL		6240	annual	11/1/1994	AQD								
585345	74-87-3	methyl chloride	50.49	FINAL	21	90	annual	9/3/2013	EPA								
585346	74-88-4	methyl iodide	141.94	FINAL		120	8 hr	8/19/2015	TLV								
585347	74-89-5	methylamine	31.07	FINAL		64	8 hr	8/1/1995	TLV								
585348	74-93-1	methyl mercaptan	48.11	FINAL		10	1 hr	8/4/1995	NIOSH								
585349	74-97-5	chlorobromomethane	129.39	FINAL		10600	8 hr	11/15/1995	TLV								
585350	74-99-7	methyl acetylene	40.07	FINAL		16500	8 hr	10/16/1995	TLV								
585351	75-00-3	ethyl chloride	64.52	FINAL		10000	24 hr	12/20/1990	EPA								
585352	75-01-4	vinyl chloride	62.5	FINAL		100	annual	8/19/2015	EPA				0.11	1.1	annual	8/7/2000	EPA
585353	75-04-7	ethylamine		FINAL		92	8 hr	7/22/1998	TLV								
585354	75-05-8	acetonitrile	41.06	FINAL		200	annual	8/21/2015	EPA								
585355	75-07-0	acetaldehyde	44.06	FINAL		9	annual	8/18/2015	EPA				0.5	5	annual	1/13/1988	EPA
585356	75-08-1	ethyl mercaptan	62.13	FINAL		13	1 hr	5/22/2017	NIOSH								
585357	75-09-2	methylene chloride	84.93	FINAL	13	2000	annual	3/26/2012	EPA	14000	1 hr	EPA/RfD	60	600	annual	3/26/2012	EPA
585358	75-12-7	formamide	45.04	FINAL		600	annual	9/8/2015	NIOSH				0.2	2	annual	7/28/2011	NIOSH
585359	75-15-0	carbon disulfide	76.13	FINAL		700	annual	8/1/1995	EPA								
585360	75-18-3	dimethylsulfide	62.14	FINAL		7	annual	12/2/1992	AQD								
585361	75-21-8	ethylene oxide	44.06	FINAL									0.0002	0.002	annual	1/17/2017	EPA
585362	75-25-2	bromoform	252.75	FINAL									0.9	9	annual	10/27/1992	EPA
585363	75-27-4	bromodichloromethane	163.83	FINAL									0.06	0.6	annual	3/6/2009	
585364	75-28-5	isobutane	58.123	FINAL	22	23800	8 hr	3/12/2007	TLV								
585365	75-29-6	2-chloropropane	78.55	FINAL		100	24 hr	7/28/1993	AQD								
585366	75-31-0	isopropylamine	59.13	FINAL		120	8 hr	7/13/1998	TLV								
585367	75-34-3	1,1-dichloroethane	98.96	FINAL		500	annual	12/6/2016	EPA								
585368	75-35-4	vinylidene chloride (1,1-dichloroethylene)	96.94	FINAL		200	annual	8/15/2002	EPA								
585369	75-36-5	acetyl chloride	78.5	FINAL		0.1	annual	11/10/1998	AQD								
585370	75-37-6	1,1-difluoroethane	66	FINAL		400000	annual	12/8/2016	EPA								
585371	75-38-7	vinylidene fluoride	64	FINAL		30	annual	9/8/2015	AQD								
585372	75-44-5	phosgene	98.91	FINAL		0.3	annual	10/30/2015	EPA								
585373	75-45-6	chlorodifluoromethane	86.47	FINAL		50000	annual	12/14/2016	EPA								
585374	75-50-3	trimethylamine	59.13	FINAL		120	8 hr	4/29/1993	TLV								
585375	75-52-5	nitromethane	61.05	FINAL		70	annual	9/9/2015	AQD				0.1	1	annual	5/30/2008	AQD
585376	75-54-7	methyldichlorosilane	115.04	FINAL		4	annual	8/4/2005	AQD								
585377	75-55-8	1,2-propylenimine	57.11	FINAL		5	8 hr	2/11/2013	TLV								
585378	75-56-9	propylene oxide	58.09	FINAL		30	annual	9/9/2015	EPA				0.3	3	annual	4/5/1990	EPA
585379	75-64-9	t-butylamine	73.16	FINAL		60	annual	1/3/1994	AQD								
585380	75-65-0	t-butanol	74.14	FINAL		1890	annual	4/15/1998	AQD								
585381	75-68-3	1-chloro-1,1-difluoroethane	100.5	FINAL		50000	annual	7/1/1995	EPA								
585382	75-69-4	trichlorofluoromethane	137.36	FINAL		130	annual	12/11/1996	EPA	56200	1 hr	TLV/REL					
585383	75-71-8	dichlorodifluoromethane	120.91	FINAL		330	annual	7/5/2001	EPA	49500	8 hr	TLV/REL					
585384	75-75-2	methane sulfonic acid	96.1	FINAL		1.4	annual	10/2/2003	AQD								
585385	75-76-3	tetramethylsilane		FINAL		1300	annual	8/9/2010	AQD								
585386	75-77-4	trimethylchlorosilane	108.66	FINAL		6	annual	1/6/1994	AQD								
585387	75-78-5	dimethyldichlorosilane	129.07	FINAL		1	annual	8/7/2015	AQD	3700	1 hr	AQD					
585388	75-79-6	methyltrichlorosilane	149.48	FINAL		109	annual	9/13/1989	AQD								
585389	75-94-5	vinyltrichlorosilane	161	FINAL		7	annual	8/8/2007	AQD								
585390	76-05-1	trifluoroacetic acid	114.03	FINAL		8	annual	5/11/1993	AQD								
585391	76-13-1	1,1,2-trichloro-1,2,2-trifluoroethane	187.37	FINAL		19140	24 hr	3/23/2006	AQD								
585392	76-14-2	dichlorotetrafluoroethane	170.92	FINAL		69000	8 hr	2/27/1995	AQD								
585393	76-44-8	heptachlor	373.3	FINAL									0.0008	0.008	annual	11/30/1994	EPA
585394	77-47-4	hexachlorocyclopentadiene		FINAL		0.2	annual	10/30/2015	EPA								
585395	77-48-5	1,3-dibromo-5,5-dimethylhydantoin	285.95	FINAL		2	8 hr	5/5/1993	TLV								
585396	77-58-7	dibutyl tin dilaurate	631	FINAL		5	8 hr	3/23/2009	AQD								
585397	77-73-6	dicyclopentadiene	132.2	FINAL		1	annual	9/14/2015	AQD								
585398	77-76-9	2,2-dimethoxypropane	104	FINAL		0.1	annual	3/13/2008	AQD								
585399	77-78-1	dimethyl sulfate	126.14	FINAL		0.5	8 hr	4/27/1993	TLV								
585400	77-93-0	triethyl citrate	276	FINAL		290	annual	10/3/2006	AQD								
585401	78-07-9	ethyltriethoxysilane	192.37	FINAL		44	annual	6/29/1995	AQD								
585402	78-10-4	ethyl silicate	208.37	FINAL		850	8 hr	9/14/1992	TLV								
585403	78-59-1	isophorone	138.23	FINAL		280	1 hr	11/23/1992	TLV				3.7	37	annual	6/2/1998	EPA

ID	CAS Number	Chemical Name	Molecular Weight	Screening Level Review Status	AQD footnote	AQD ITSL	AQD Averaging Time	AQD Calculation Date	AQD ITSL Basis	AQD Secondary ITSL	AQD Secondary ITSL Averaging Time	AQD Secondary ITSL Basis	AQD IRSL	AQD SRSL	AQD Carcinogenicity Averaging Time	AQD Carcinogenicity Calculation Date	AQD IRSL Basis
585404	78-78-4	2-methyl butane	72.17	FINAL		17700	8 hr	4/6/2001	TLV								
585405	78-79-5	isoprene	68.12	FINAL									0.02	0.2	annual	2/11/1997	AQD
585406	78-83-1	isobutyl alcohol	74.14	FINAL		1500	8 hr	11/6/1996	NIOSH								
585407	78-84-2	isobutyraldehyde	72.1	FINAL		160	annual	3/11/2005	AQD								
585408	78-87-5	propylene dichloride	112.99	FINAL		4	annual	9/15/2015	EPA				0.2	2	annual	9/18/2013	AQD
585409	78-92-2	sec-butyl alcohol	74.14	FINAL		3000	8 hr	6/6/2011	TLV								
585410	78-93-3	methyl ethyl ketone	72.12	FINAL		5000	24 hr	9/26/2003	EPA								
585411	78-96-6	monoisopropanolamine	75	FINAL		15	annual	1/4/2008	AQD								
585412	79-00-5	1,1,2-trichloroethane	133.4	FINAL		11	annual	10/6/2020	AQD	160	24 hr	AQD	0.063	0.63	annual	10/6/2020	EPA
585413	79-01-6	trichloroethylene	131.38	FINAL		2	24 hr	1/27/2015	EPA				0.2	2	annual	11/15/2011	AQD
585414	79-06-1	acrylamide	71.09	FINAL		6	24 hr	3/22/2010	EPA				0.005	0.05	annual	5/8/2013	EPA
585415	79-09-4	propionic acid	74.09	FINAL		300	8 hr	7/12/2000	TLV								
585416	79-10-7	acrylic acid	72.07	FINAL		1	annual	10/30/2015	EPA								
585417	79-11-8	chloroacetic acid	94.5	FINAL		20	8 hr	10/30/2015	TLV								
585418	79-14-1	hydroxyacetic acid/ glycolic acid	76.06	FINAL		4	annual	6/3/1999	AQD								
585419	79-20-9	methyl acetate	74.09	FINAL		6100	8 hr	1/31/1995	TLV								
585420	79-24-3	nitroethane	75	FINAL		60	annual	12/17/2015	AQD								
585421	79-29-8	2,3-dimethylbutane	86.2	FINAL		3500	8 hr	1/30/1995	TLV								
585422	79-31-2	isobutyric acid	88.106	FINAL		0.9	annual	7/3/2000	AQD								
585423	79-34-5	1,1,2,2-tetrachloroethane	167.84	FINAL									0.02	0.2	annual	9/30/2010	EPA
585424	79-41-4	methacrylic acid	86.1	FINAL		30	annual	12/23/2015	AQD								
585425	79-43-6	Dichloroacetic acid		FINAL		0.5	annual	10/2/2018	AQD				0.07	0.7	annual	10/2/2018	AQD
585426	79-46-9	2-nitropropane	89.11	FINAL		20	annual	12/23/2015	EPA				0.00037	0.0037	annual	7/30/2012	AQD
585427	79-92-5	camphene		FINAL		80	annual	6/23/2009	AQD								
585428	80-15-9	cumene hydroperoxide	152	FINAL		6	annual	12/23/2015	AQD								
585429	80-43-3	dicumyl peroxide	270	FINAL		0.1	annual	6/9/2006	AQD								
585430	80-56-8	pinene, alpha	136.26	FINAL	18	1120	8 hr	4/16/2003	TLV								
585431	80-62-6	methyl methacrylate	100.13	FINAL		700	annual	3/16/1998	EPA								
585432	80-73-9	n,n'-dimethylethyleneurea	114.14	FINAL		0.1	annual	3/22/2004	AQD								
585433	82-68-8	pentachloronitrobenzene	295.32	FINAL		11	annual	12/23/2015	AQD								
585434	83-32-9	acenaphthene	154.22	FINAL		210	annual	7/19/1993	EPA								
585435	84-66-2	diethyl phthalate	222.26	FINAL		2800	annual	11/23/2015	EPA								
585436	84-74-2	dibutyl phthalate	278.83	FINAL		50	8 hr	9/20/1999	TLV								
585437	85-01-8	phenanthrene	178.24	FINAL		0.1	annual	5/19/2020	AQD								
585438	85-44-9	phthalic anhydride	148.12	FINAL		20	annual	1/28/2015	EPA								
585439	85-68-7	butyl benzyl phthalate	312.39	FINAL		700	annual	2/10/1992	EPA								
585440	86-73-7	fluorene	166.23	FINAL		140	annual	7/19/1993	EPA								
585441	86-74-8	carbazole		FINAL									0.4	4	annual	9/3/2009	AQD
585442	87-61-6	1,2,3-trichlorobenzene		FINAL		27	annual	12/23/2015	AQD								
585443	87-62-7	2,6-xylidine	121.2	FINAL									0.78	7.8	annual	2/8/1984	AQD
585444	87-65-0	2,6-dichlorophenol	163	FINAL		3.8	annual	1/13/2015	AQD								
585445	87-68-3	hexachlorobutadiene	260.74	FINAL									0.05	0.5	annual	2/27/1995	EPA
585446	87-86-5	pentachlorophenol	266.32	FINAL		20	annual	9/30/2010	AQD				0.009	0.09	annual	9/30/2010	AQD
585447	87-90-1	1,3,5-trichloroisocyanuric acid	232.4	FINAL		2	annual	10/15/2007	AQD								
585448	88-06-2	2,4,6-trichlorophenol	197.44	FINAL									0.3	3	annual	11/5/1992	EPA
585449	88-12-0	n-vinylpyrrolidinone	111.14	FINAL									0.04	0.4	annual	12/5/2003	AQD
585450	88-65-3	o-bromobenzoic acid	201.03	FINAL		0.1	annual	11/10/1998	AQD								
585451	88-73-3	1-chloro-2-nitrobenzene	157.56	FINAL									0.21	2.1	annual	2/8/1982	AQD
585452	88-75-5	2-nitrophenol		FINAL		18	24 hr	8/28/2013	AQD								
585453	88-85-7	dinoseb	240.24	FINAL		4	annual	3/19/2004	EPA								
585454	90-02-8	salicylaldehyde	122.13	FINAL		30	annual	10/30/1996	AQD								
585455	90-12-0	1-methyl naphthalene		FINAL		250	annual	4/28/2008	AQD				0.14	1.4	annual	4/28/2008	AQD
585456	90-43-7	o-phenylphenol	170.22	FINAL									1.1	11	annual	7/23/1990	AQD
585457	90-72-2	2,4,6-tri(dimethylaminomethyl)phenol		FINAL		7	annual	12/17/2007	AQD								
585458	91-01-0	benzhydrol	184.25	FINAL		16	annual	11/29/1993	AQD								
585459	91-08-7	2,6-toluene diisocyanate	174.15	FINAL	13	0.07	annual	1/13/2014	EPA	0.4	8 hr	TLV/REL				1/1/1987	
585460	91-17-8	decahydronaphthalene	138.3	FINAL									0.03	0.3	annual	8/24/2005	AQD
585461	91-20-3	naphthalene	128.18	FINAL		3	annual	9/17/1998	EPA	520	8 hr	TLV/REL	0.08	0.8	annual	10/25/2004	AQD
585462	91-22-5	quinoline	129.17	FINAL									0.001	0.01	annual	9/27/2001	AQD
585463	91-44-1	7-diethylamino-4-methyl coumarin	231.32	FINAL		16	annual	1/14/1997	AQD								
585464	91-57-6	2-methylnaphthalene	142.2	FINAL		10	annual	12/27/2002	AQD								

ID	CAS Number	Chemical Name	Molecular Weight	Screening Level Review Status	AQD footnote	AQD ITSL	AQD Averaging Time	AQD Calculation Date	AQD ITSL Basis	AQD Secondary ITSL	AQD Secondary ITSL Averaging Time	AQD Secondary ITSL Basis	AQD IRSL	AQD SRSL	AQD Carcinogenicity Averaging Time	AQD Carcinogenicity Calculation Date	AQD IRSL Basis
585465	91-59-8	2-naphthylamine	143.2	FINAL									0.00013	0.0013	annual	8/4/1982	AQD
585466	91-94-1	dichlorobenzidine	253.14	FINAL									0.002	0.02	annual	10/4/1983	AQD
585467	92-52-4	biphenyl	154.22	FINAL		13	8 hr	9/12/2013	TLV				0.43	4.3	annual	9/30/2013	EPA
585468	92-87-5	benzidine	184.26	FINAL									0.00002	0.0002	annual	10/15/1992	EPA
585469	93-14-1	guaifenesin	198	FINAL		5	annual	5/22/2007	AQD								
585470	93-58-3	methyl benzoate		FINAL		4	annual	1/10/2002	AQD								
585471	93-59-4	peroxybenzoic acid		FINAL		0.1	annual	1/10/2002	AQD								
585472	93-83-4	oleoyl diethanolamine	369.66	FINAL		3	annual	12/1/1995	AQD								
585473	94-75-7	2,4-D	221.04	FINAL		35	annual	1/13/2015	EPA	100	8 hr	TLV/REL					
585474	94-96-2	2-ethyl-1,3-hexanediol	146.26	FINAL		30	annual	5/10/2000	AQD								
585475	95-16-9	benzothiazole	135.18	FINAL		1	annual	4/21/2001	AQD								
585476	95-38-5	oyel hydroxyethylimidazoline	350.66	FINAL		2	annual	8/8/1997	AQD								
585477	95-47-6	o-xylene	106.18	FINAL	2	390	annual	1/20/2016	EPA								
585478	95-48-7	o-cresol	108.15	FINAL	30	100	8 hr	9/7/1995	NIOSH								
585479	95-49-8	monochlorotoluene	126.59	FINAL		70	annual	4/17/2001	EPA								
585480	95-50-1	1,2-dichlorobenzene	147	FINAL		300	annual	4/9/2004	EPA								
585481	95-51-2	2-chloroaniline		FINAL		10	annual	11/5/2009	AQD								
585482	95-53-4	o-toluidine	107.17	FINAL									0.07	0.7	annual	5/2/1994	AQD
585483	95-57-8	2-chlorophenol		FINAL		18	24 hr	6/2/2006	EPA								
585484	95-63-6	1,2,4-trimethylbenzene	120.2	FINAL	14	185	annual	1/13/2017	AQD	1200	8 hr	TLV/REL					
585485	95-65-8	3,4-dimethyl phenol		FINAL		3.5	annual	1/10/2002	EPA								
585486	95-74-9	3-chloro-p-toluidine	141.61	FINAL	30	2	annual	3/2/1988	AQD								
585487	95-87-4	2,5-dimethylphenol	122.2	FINAL		0.7	annual	1/10/2002	AQD								
585488	95-93-2	1,2,4,5-tetramethyl benzene	134.2	FINAL		20	annual	11/18/2003	AQD								
585489	95-94-3	1,2,4,5-tetrachlorobenzene	216	FINAL		1	annual	6/11/2007	EPA								
585490	95-95-4	2,4,5-trichlorophenol	197.44	FINAL		350	annual	3/25/1996	EPA								
585491	96-12-8	dibromochloropropane	236.35	FINAL		0.2	24 hr	8/15/1991	EPA				0.0001	0.001	annual	6/11/2012	EPA
585492	96-14-0	3-methylpentane	86.18	FINAL		3500	8 hr	1/30/1995	NIOSH								
585493	96-17-3	2-methylbutyraldehyde	86.1323	FINAL		700	annual	7/20/2016	AQD								
585494	96-18-4	1,2,3-trichloropropane		FINAL		0.3	annual	9/30/2009	EPA								
585495	96-23-1	1,3-dichloro-2-propanol	128.99	FINAL		3	annual	7/12/2010	AQD				0.07	0.7	annual	7/12/2010	AQD
585496	96-29-7	methylethylketoxime	87.14	FINAL									2.5	25	annual	1/19/1996	AQD
585497	96-33-3	methyl acrylate	86.1	FINAL		70	annual	4/14/2010	AQD								
585498	96-37-7	methylcyclopentane	84.16	FINAL		700	24 hr	10/4/2010	AQD								
585499	96-45-7	ethylene thiourea	102.17	FINAL		0.28	annual	1/6/1995	EPA				0.01	0.1	annual	1/6/1995	AQD
585500	96-47-9	2-methyltetrahydrofuran	86.13	FINAL		420	annual	5/11/2017	AQD								
585501	96-48-0	gamma-butyrolactone	86.1	FINAL		280	24 hr	8/23/1999	AQD								
585502	96-49-1	ethylene carbonate	88.06	FINAL		30	annual	9/17/2010	AQD								
585503	96-80-0	diisopropylaminoethanol	145.2	FINAL		4	annual	1/15/2002	AQD								
585504	97-64-3	ethyl lactate	118.15	FINAL		20	annual	1/13/2004	AQD								
585505	97-85-8	isobutyl isobutyrate	144.24	FINAL		300	annual	9/5/1991	AQD								
585506	97-86-9	isobutyl methacrylate	142.2	FINAL		600	annual	2/16/2006	AQD								
585507	97-88-1	n-butyl methacrylate	142.22	FINAL		569	annual	12/17/1992	AQD								
585508	97-95-0	2-ethyl butanol	102.2	FINAL		40	annual	7/9/2008	AQD								
585509	97-99-4	tetrahydrofuryl methanol	102.15	FINAL		52	annual	1/22/2004	AQD								
585510	98-00-0	furfuryl alcohol	98.11	FINAL		5	annual	1/17/2017	AQD				0.09	0.9	annual	1/17/2017	AQD
585511	98-01-1	furfural	96.09	FINAL									0.06	0.6	annual	4/1/1993	AQD
585512	98-06-6	tert-butylbenzene		FINAL		10	annual	12/30/2008	AQD								
585513	98-13-5	phenyltrichlorosilane	211.55	FINAL		0.1	annual	11/10/1998	AQD								
585514	98-17-9	m-trifluoromethylphenol	162.1	FINAL		0.08	annual	10/2/2003	AQD								
585515	98-29-3	t-butylcatechol	166.24	FINAL		9	annual	3/4/1994	AQD								
585516	98-56-6	p-chlorobenzotrifluoride	180.56	FINAL		70	annual	12/14/1998	AQD								
585517	98-82-8	cumene	120.21	FINAL		400	annual	1/20/2017	EPA				0.1	1	annual	2/25/2010	AQD
585518	98-83-9	alpha-methyl styrene	118.19	FINAL		230	annual	11/10/1994	AQD								
585519	98-84-0	dl-alpha phenylethylamine	121.2	FINAL		3	annual	6/3/1994	AQD								
585520	98-86-2	acetophenone	120.16	FINAL		490	8 hr	6/8/1994	TLV								
585521	98-95-3	nitrobenzene	123.12	FINAL		9	annual	1/20/2017	EPA				0.025	0.25	annual	2/6/2009	EPA
585522	99-87-6	p-isopropyltoluene	134.2	FINAL		10	annual	12/30/2008	AQD								
585523	99-97-8	n,n-dimethyl-p-toluidine	135.23	FINAL		28	annual	1/30/2004	AQD								
585524	100-02-7	4-nitrophenol		FINAL		0.7	annual	3/8/2007	AQD								
585525	100-06-1	4-methoxyacetophenone	150.19	FINAL		0.1	annual	11/10/1998	AQD								

ID	CAS Number	Chemical Name	Molecular Weight	Screening Level Review Status	AQD footnote	AQD ITSL	AQD Averaging Time	AQD Calculation Date	AQD ITSL Basis	AQD Secondary ITSL	AQD Secondary ITSL Averaging Time	AQD Secondary ITSL Basis	AQD IRSL	AQD SRSL	AQD Carcinogenicity Averaging Time	AQD Carcinogenicity Calculation Date	AQD IRSL Basis
585526	100-36-7	2-diethylaminoethylamine	116.24	FINAL		9	annual	5/3/1994	AQD								
585527	100-37-8	2-diethylaminoethanol (deae)	117.22	FINAL		4	annual	2/27/1996	AQD								
585528	100-40-3	4-vinylcyclohexene	108.2	FINAL		4	8 hr	1/29/2001	TLV								
585529	100-41-4	ethylbenzene	106.18	FINAL		1000	24 hr	12/6/2016	EPA				0.4	4	annual	12/6/2016	AQD
585530	100-42-5	styrene	104.16	FINAL		1000	annual	5/12/2014	EPA				2	20	annual	5/12/2014	EPA
585531	100-44-7	benzyl chloride	126.59	FINAL									0.02	0.2	annual	12/3/1992	
585532	100-46-9	benzylamine	107.17	FINAL		0.1	annual	11/10/1998	AQD								
585533	100-51-6	benzyl alcohol	108.15	FINAL		5000	annual	9/2/1992	AQD								
585534	100-52-7	benzaldehyde	106.13	FINAL									0.4	4	annual	5/2/1994	AQD
585535	100-54-9	3-cyanopyridine	104.1	FINAL		1.5	annual	8/14/2014	AQD								
585536	100-85-6	benzyltrimethylammonium hydroxide	167.28	FINAL		0.1	annual	6/1/1999	AQD								
585537	100-97-0	hexamethylenetetramine	140.22	FINAL		100	annual	5/17/1993	AQD								
585538	101-68-8	methylene diphenyl diisocyanate	250.27	FINAL		0.6	annual	1/23/2017	EPA								
585539	101-77-9	4,4'-methylene dianiline	198.27	FINAL									0.022	0.22	annual	4/29/2016	AQD
585540	101-84-8	diphenyloxide	170.22	FINAL		70	8 hr	9/21/1994	TLV								
585541	102-69-2	tripropylamine	143.31	FINAL		0.2	annual	1/17/1997	AQD								
585542	102-71-6	triethanolamine	149.22	FINAL		50	8 hr	8/11/1997	TLV								
585543	102-76-1	triacetin	218.23	FINAL		20	annual	9/14/1993	AQD								
585544	102-79-4	butyldiethanolamine	161.2	FINAL		14	annual	1/15/2002	AQD								
585545	102-81-8	2-n-dibutylaminoethanol	173.3	FINAL		28	annual	6/22/2001	AQD								
585546	102-82-9	tributylamine	185.4	FINAL		7	annual	2/24/1995	AQD								
585547	103-09-3	2-ethylhexyl acetate	172.3	FINAL		15	annual	1/25/1993	AQD								
585548	103-11-7	2-ethylhexyl acrylate	184.31	FINAL		18	annual	7/9/2001	AQD								
585549	103-23-1	di (2-ethylhexyl) adipate	370.64	FINAL									3	30	annual	5/12/1999	EPA
585550	103-33-3	azobenzene	182.24	FINAL									0.03	0.3	annual	2/3/1988	EPA
585551	103-63-9	2-bromoethyl benzene		FINAL		3	annual	12/6/1994	AQD								
585552	103-65-1	propylbenzene	120.21	FINAL		20	annual	11/10/1994	AQD								
585553	103-83-3	benzyl dimethylamine	135.23	FINAL		30	annual	4/7/1999	AQD								
585554	103-99-1	N-stearoyl-4-aminophenol		FINAL		0.1	annual	11/10/1998	AQD								
585555	104-15-4	p-toluenesulfonic acid	172.21	FINAL	9 13	1.8	annual	11/4/2016	AQD	210	1 hr	AQD					
585556	104-51-8	n-butylbenzene		FINAL		30	annual	12/30/2008	AQD								
585557	104-68-7	diethylene glycol monophenyl ether	182.24	FINAL		7	annual	2/7/1996	AQD								
585558	104-75-6	2-ethylhexylamine	129.28	FINAL		0.1	annual	11/10/1998	AQD								
585559	104-76-7	2-ethylhexanol	130.26	FINAL		70	annual	7/8/1993	AQD								
585560	104-78-9	n,n-diethyl-1,3-propanediamine	130.27	FINAL		140	annual	11/20/2000	AQD								
585561	104-87-0	p-tolualdehyde	120.15	FINAL	20	440	annual	4/6/2016	AQD								
585562	105-39-5	ethyl chloroacetate	122.56	FINAL		0.1	annual	11/10/1998	AQD/SAP								
585563	105-46-4	sec-butyl acetate	116	FINAL	15	2400	8 hr	10/17/2017	TLV								
585564	105-53-3	diethylmalonate	160.19	FINAL		50	annual	7/22/1992	AQD								
585565	105-56-6	ethyl cyanoacetate	113.13	FINAL		0.1	annual	11/10/1998	AQD/SAP								
585566	105-58-8	diethyl carbonate	118.13	FINAL		5000	24 hr	9/8/2010	AQD								
585567	105-59-9	methyldiethanolamine	119.19	FINAL		6	annual	8/7/1998	AQD								
585568	105-60-2	caprolactam	113.18	FINAL		10	8 hr	5/26/1995	NIOSH								
585569	105-67-9	2,4-dimethylphenol	122.18	FINAL		70	annual	5/26/1993	EPA								
585570	106-36-5	propyl propionate	116.18	FINAL		84	annual	8/1/2000	AQD								
585571	106-42-3	p-xylene	106.18	FINAL	2	390	annual	1/20/2016	EPA								
585572	106-44-5	p-cresol		FINAL	30	100	8 hr	2/24/2005	NIOSH								
585573	106-46-7	1,4-dichlorobenzene	147	FINAL		800	annual	12/1/2016	EPA				0.25	2.5	annual	12/1/2016	AQD
585574	106-49-0	p-toluidine	107.17	FINAL		2	annual	3/2/1988	AQD				0.03	0.3	annual	3/2/1988	AQD
585575	106-51-4	quinone	108.1	FINAL		4.4	8 hr	9/30/2014	TLV								
585576	106-65-0	dimethyl succinate	146.16	FINAL	27			8/1/2012									
585577	106-79-6	dimethyl decanedioate	230.3	FINAL		0.1	annual	2/13/2003	AQD								
585578	106-86-5	1,2-epoxy-4-vinylcyclohexane	124.18	FINAL		6	annual	11/28/2016	AQD								
585579	106-88-7	1,2-butylene oxide	72.17	FINAL		20	annual	12/12/1991	EPA				1.2	12	annual	9/9/1987	AQD
585580	106-89-8	epichlorohydrin	92.53	FINAL		1	annual	12/12/1991	EPA				0.8	8	annual	10/29/1986	EPA
585581	106-91-2	glycidyl methacrylate	142.1	FINAL	13	0.8	annual	7/20/2006	AQD	16	24 hr						
585582	106-92-3	allyl glycidyl ether	114.16	FINAL									0.1	1	annual	1/28/1994	AQD
585583	106-93-4	1,2-dibromoethane	187.88	FINAL		9	annual	8/2/2004	EPA				0.002	0.02	annual	8/2/2004	EPA
585584	106-94-5	propyl bromide	123.01	FINAL		32	24 hr	7/15/2015	AQD				1.1	11	annual	9/13/2013	AQD
585585	106-97-8	butane	58.14	FINAL	22	23800	8 hr	3/12/2007	TLV								
585586	106-99-0	1,3-butadiene	54.1	FINAL		33	annual	8/4/2017	EPA				0.03	0.3	annual	11/5/2002	EPA

ID	CAS Number	Chemical Name	Molecular Weight	Screening Level Review Status	AQD footnote	AQD ITSL	AQD Averaging Time	AQD Calculation Date	AQD ITSL Basis	AQD Secondary ITSL	AQD Secondary ITSL Averaging Time	AQD Secondary ITSL Basis	AQD IRSL	AQD SRSL	AQD Carcinogenicity Averaging Time	AQD Carcinogenicity Calculation Date	AQD IRSL Basis
585587	107-00-6	ethylacetylene	54.09	FINAL		0.1	annual	4/10/2001	AQD								
585588	107-02-8	acrolein	56.07	FINAL	13	0.16	annual	6/14/2013	AQD	5	1 hr	AQD					
585589	107-03-9	1-propanethiol	76.16	FINAL		16	1 hr	6/6/2013	NIOSH								
585590	107-05-1	allyl chloride	76.53	FINAL		1	annual	4/17/2012	EPA	31	8 hr	TLV/REL					
585591	107-06-2	1,2-dichloroethane	98.96	FINAL									0.04	0.4	annual	12/4/1986	EPA
585592	107-10-8	propylamine	59.13	FINAL		112	annual	8/5/1998	AQD								
585593	107-13-1	acrylonitrile	53.07	FINAL		2	annual	4/17/2015	EPA				0.01	0.1	annual	4/15/2015	EPA
585594	107-15-3	ethylene diamine	60.12	FINAL		0.03	annual	2/23/2011	AQD								
585595	107-18-6	allyl alcohol	58.09	FINAL		18	annual	8/30/1995	EPA								
585596	107-21-1	ethylene glycol	62.08	FINAL		4700	1 hr	10/17/2017	AQD								
585597	107-31-3	methyl formate	60.06	FINAL		1250	8 hr	2/28/2005	TLV								
585598	107-39-1	diisobutylene	112.2	FINAL		0.1	annual	4/28/2008	AQD								
585599	107-41-5	hexylene glycol	118	FINAL		1210	1 hr	9/7/1999	TLV								
585600	107-46-0	hexamethyldisiloxane	162.42	FINAL		240	annual	1/4/1993	AQD								
585601	107-51-7	octamethyltrisiloxane	236.54	FINAL		0.1	annual	8/13/2001	AQD								
585602	107-54-0	3,5-dimethyl-1-hexyn-3-o	130.2	FINAL		0.1	annual	11/10/1998	AQD								
585603	107-66-4	dibutyl phosphate	210	FINAL		50	8 hr	1/29/2013	TLV								
585604	107-68-6	n-methyl taurine		FINAL		17	annual	10/19/1994	AQD								
585605	107-71-1	t-butyl peroxyacetate	132.18	FINAL		0.06	annual	12/29/1992	AQD								
585606	107-83-5	2-methylpentane	86.2	FINAL		17600	8 hr	5/14/1996	TLV								
585607	107-87-9	methyl propyl ketone	86.15	FINAL		5300	8 hr	8/31/1993	NIOSH								
585608	107-92-6	butyric acid	88.1	FINAL		10	annual	2/7/2007	AQD								
585609	107-98-2	propylene glycol monomethyl ether	90.14	FINAL		3700	1 hr	10/10/2017	TLV								
585610	108-01-0	dimethylethanolamine	89.14	FINAL		5.2	annual	1/18/2013	AQD	220	8 hr	AQD					
585611	108-03-2	1-nitropropane	89.11	FINAL		900	8 hr	9/13/1993	TLV								
585612	108-05-4	vinyl acetate	86.1	FINAL		200	annual	2/7/2017	EPA								
585613	108-08-7	2,4-dimethylpentane	100.2	FINAL		3500	8 hr	1/31/1995	NIOSH								
585614	108-10-1	methyl isobutyl ketone	100.18	FINAL		820	8 hr	6/3/2016	TLV								
585615	108-11-2	methyl amyl alcohol	102.2	FINAL		1000	8 hr	4/28/1999	NIOSH								
585616	108-16-7	dimethylamino-2-propanol	103.19	FINAL		4	annual	8/7/1998	AQD								
585617	108-18-9	diisopropylamine	101.19	FINAL		200	8 hr	8/20/1998	NIOSH								
585618	108-20-3	diisopropyl ether	102.2	FINAL		360	24 hr	2/26/2001	AQD								
585619	108-21-4	isopropyl acetate	102.15	FINAL		4200	8 hr	10/29/1992	TLV								
585620	108-31-6	maleic anhydride	98.06	FINAL		0.1	8 hr	10/10/2012	TLV								
585621	108-32-7	propylene carbonate	102.1	FINAL		700	annual	3/27/1998	AQD								
585622	108-38-3	m-xylene	106.18	FINAL	2	390	annual	1/20/2016	EPA								
585623	108-39-4	3-methylphenol		FINAL	30	100	8 hr	2/24/2005	NIOSH								
585624	108-46-3	resorcinol	110.1	FINAL	26			3/8/2005	AQD								
585625	108-60-1	bis(2-chloroisopropyl)ether	171	FINAL		140	annual	6/9/2006	EPA								
585626	108-65-6	propylene glycol monomethyl ether acetate	132.18	FINAL		5400	1 hr	10/10/2017	AQD								
585627	108-67-8	1,3,5-trimethyl benzene	120.21	FINAL	14	185	annual	1/13/2017	AQD	1200	8 hr	TLV/REL					
585628	108-68-9	3,5-dimethylphenol	122.2	FINAL		0.8	annual	1/10/2002	AQD								
585629	108-78-1	melamine	126.15	FINAL									1.5	15	annual	1/18/1994	AQD
585630	108-82-7	2,6-dimethyl-4-heptanol	144.29	FINAL		30	annual	3/6/2012	AQD								
585631	108-83-8	diisobutyl ketone	142.27	FINAL		1500	8 hr	2/9/2017	TLV								
585632	108-86-1	bromobenzene	157.02	FINAL		60	annual	3/30/2010	EPA								
585633	108-87-2	methylcyclohexane	98.21	FINAL		16000	8 hr	1/22/1993	TLV								
585634	108-88-3	toluene	92.15	FINAL		5000	24 hr	9/27/2005	EPA								
585635	108-90-7	chlorobenzene	112.56	FINAL		50	annual	2/27/2013	EPA	4400	8 hr	AQD					
585636	108-94-1	cyclohexanone	98.16	FINAL		800	8 hr	12/5/2012	TLV								
585637	108-95-2	phenol	94.12	FINAL		190	8 hr	11/7/2012	TLV								
585638	108-99-6	3-picoline	93.14	FINAL		80	annual	11/8/1996	AQD								
585639	109-06-8	alpha-picoline	93.14	FINAL		24	annual	10/19/1993	AQD								
585640	109-56-8	isopropylethanolamine	103.16	FINAL		0.1	annual	11/10/1998	AQD								
585641	109-60-4	n-propyl acetate	102.15	FINAL		8350	8 hr	9/30/1993	TLV								
585642	109-65-9	1-bromobutane	137.04	FINAL		9	annual	5/2/1994	AQD								
585643	109-66-0	pentane	72.17	FINAL		17700	8 hr	5/10/1994	AQD/SAP								
585644	109-69-3	n-butyl chloride	92.57	FINAL		1500	annual	4/18/2005	AQD								
585645	109-70-6	1-bromo-3-chloropropane	157.44	FINAL		0.1	annual	7/3/2000	AQD								
585646	109-83-1	2-methylaminoethanol	75.13	FINAL		38	annual	9/28/1993	AQD								
585647	109-86-4	2-methoxyethanol	76.11	FINAL		20	24 hr	12/19/1990	EPA								

ID	CAS Number	Chemical Name	Molecular Weight	Screening Level Review Status	AQD footnote	AQD ITSL	AQD Averaging Time	AQD Calculation Date	AQD ITSL Basis	AQD Secondary ITSL	AQD Secondary ITSL Averaging Time	AQD Secondary ITSL Basis	AQD IRSL	AQD SRSL	AQD Carcinogenicity Averaging Time	AQD Carcinogenicity Calculation Date	AQD IRSL Basis
585648	109-89-7	diethylamine		FINAL		150	8 hr	7/24/1998	TLV								
585649	109-92-2	ethyl vinyl ether	72.1	FINAL		20	annual	10/2/2003	AQD								
585650	109-94-4	ethyl formate	74	FINAL		3000	8 hr	9/11/2007	TLV								
585651	109-99-9	tetrahydrofuran	72.12	FINAL		8000	annual	8/1/2012	AQD								
585652	110-00-9	furan	68.08	FINAL		4	annual	11/2/1994	AQD				0.0002	0.002	annual	11/2/1994	AQD
585653	110-12-3	methyl isoamy ketone	114.2	FINAL		2300	8 hr	6/6/2011	TLV								
585654	110-16-7	maleic acid	116.07	FINAL		0.1	annual	12/20/2012	AQD								
585655	110-19-0	isobutyl acetate	116.16	FINAL	15	2400	8 hr	10/17/2017	TLV								
585656	110-30-5	n,n'-ethylene bis-octadecanamide	593.9	FINAL		0.1	annual	8/31/2000	AQD								
585657	110-43-0	methyl n-amyl ketone	114.21	FINAL		2330	8 hr	7/30/1992	TLV								
585658	110-49-6	ethylene glycol monomethyl ether acetate	118.1	FINAL		31	24 hr	10/22/1998	AQD								
585659	110-54-3	n-hexane	86.2	FINAL		700	annual	1/4/2006	EPA								
585660	110-58-7	amylamine	87.16	FINAL		1	annual	5/26/1998	AQD								
585661	110-61-2	succinonitrile	80.09	FINAL		0.8	annual	9/17/2010	AQD								
585662	110-62-3	valeraldehyde	86.13	FINAL		1760	8 hr	8/1/2002	TLV								
585663	110-63-4	1,4 butanediol		FINAL		79	annual	4/23/2009	AQD								
585664	110-71-4	ethylene glycol dimethyl ether	90.12	FINAL		24	24 hr	7/15/2005	AQD								
585665	110-73-6	2-ethylaminoethanol	89.14	FINAL		1	annual	2/4/2002	AQD								
585666	110-80-5	2-ethoxyethanol	90.14	FINAL		200	annual	2/7/2017	EPA								
585667	110-82-7	cyclohexane	84.18	FINAL		6000	24 hr	9/11/2003	EPA								
585668	110-83-8	cyclohexene	82.16	FINAL		10000	8 hr	7/25/2011	TLV								
585669	110-83-8	cyclohexene	82.14	FINAL		10000	8 hr	7/25/2011	TLV								
585670	110-86-1	pyridine	79.11	FINAL		3.5	annual	12/13/1996	EPA								
585671	110-89-4	piperidine	85.17	FINAL		140	annual	6/8/1994	AQD								
585672	110-97-4	diisopropanolamine	133.22	FINAL		4	annual	7/7/1997	AQD								
585673	111-13-7	2-octanone	128.24	FINAL		6.9	annual	9/1/1993	AQD								
585674	111-15-9	ethylene glycol monoethyl ether acetate	132.18	FINAL		290	24 hr	4/20/1998	EPA								
585675	111-30-8	glutaraldehyde	100.13	FINAL	13	0.08	annual	1/27/2012	TLV	2	1 hr	TLV/REL					
585676	111-40-0	diethylene triamine	103.17	FINAL		42	8 hr	8/23/1993	TLV								
585677	111-42-2	diethanolamine	105.16	FINAL		5	24 hr	8/16/1999	AQD								
585678	111-44-4	bis-2-chloroethylether	143.02	FINAL									0.003	0.03	annual	7/23/1986	EPA
585679	111-46-6	diethylene glycol	106.14	FINAL		1600	annual	8/31/2017	AQD								
585680	111-75-1	2-butylaminoethanol	117.2	FINAL		4	annual	1/18/2002	AQD								
585681	111-76-2	2-butoxyethanol	118.2	FINAL	10	1600	annual	4/1/2010	EPA								
585682	111-77-3	diethylene glycol monomethyl ether	120.17	FINAL		190	24 hr	2/28/1996	AQD								
585683	111-83-1	1-bromooctane	193	FINAL		16	annual	7/18/2018	AQD								
585684	111-84-2	n-nonane	128	FINAL		550	annual	4/7/2004	AQD								
585685	111-90-0	diethylene glycol monoethyl ether	134.2	FINAL		1750	annual	2/5/1996	EPA								
585686	111-92-2	dibutylamine		FINAL		23	annual	7/27/1998	AQD								
585687	112-06-1	n-heptyl acetate	158.27	FINAL		16	annual	4/8/1999	AQD								
585688	112-07-2	ethylene glycol monobutyl ether acetate	160.24	FINAL	10	2200	annual	2/3/2017	EPA								
585689	112-15-2	diethylene glycol monoethyl ether acetate	176.24	FINAL	10	18	annual	5/31/1994	AQD								
585690	112-24-3	triethylene tetramine	146.28	FINAL		8	annual	7/15/1996	AQD	3700	24 hr	AQD					
585691	112-25-4	ethylene glycol monohexyl ether	146.26	FINAL		8	annual	2/14/1994	AQD								
585692	112-34-5	diethylene glycol monobutyl ether	162.26	FINAL		1	annual	7/11/2016	EPA								
585693	112-41-4	1-dodecene	168.319	FINAL		29	annual	2/25/2014	AQD								
585694	112-48-1	ethylene glycol dibutyl ether	174.32	FINAL		10	annual	1/10/1995	AQD								
585695	112-50-5	triethylene glycol monoethyl ether	178.26	FINAL		100	annual	8/28/2000	AQD								
585696	112-55-0	n-dodecyl mercaptan	202.4	FINAL		8	8 hr	5/6/2008	TLV								
585697	112-80-1	oleic acid	282.52	FINAL		242	annual	4/8/1999	AQD								
585698	115-07-1	propylene	42.09	FINAL		8600	8 hr	9/19/2017	AQD								
585699	115-10-6	dimethyl ether	46.08	FINAL		740	annual	1/30/2015	AQD	1900	24 hr	AQD					
585700	115-11-7	isobutylene	56.12	FINAL		110000	annual	9/12/2017	AQD								
585701	115-19-5	methyl butynol	84.13	FINAL		6.5	annual	7/28/1992	AQD								
585702	116-11-0	2-methoxy-1-propene	72.1	FINAL		6	annual	3/13/2008	AQD								
585703	116-14-3	tetrafluoroethylene	100	FINAL									0.4	4	annual	10/18/2007	AQD
585704	117-81-7	diethyl hexyl phthalate	390.62	FINAL		70	annual	3/3/2014	EPA				0.61	6.1	annual	3/3/2014	AQD
585705	117-84-0	di-n-octyl phthalate		FINAL		470	annual	7/25/2007	AQD								
585706	118-52-5	1,3-dichloro-5,5-dimethylhydantoin	197.03	FINAL		2	8 hr	3/22/1993	TLV								
585707	118-74-1	hexachlorobenzene	284.76	FINAL		0.35	24 hr	10/5/2017					0.0022	0.022	annual	10/28/2015	EPA
585708	118-91-2	o-chlorobenzoic acid	156.57	FINAL		0.1	annual	11/10/1998	AQD/SAP								

ID	CAS Number	Chemical Name	Molecular Weight	Screening Level Review Status	AQD footnote	AQD ITSL	AQD Averaging Time	AQD Calculation Date	AQD ITSL Basis	AQD Secondary ITSL	AQD Secondary ITSL Averaging Time	AQD Secondary ITSL Basis	AQD IRSL	AQD SRSL	AQD Carcinogenicity Averaging Time	AQD Carcinogenicity Calculation Date	AQD IRSL Basis
585709	119-53-9	benzoin	212.26	FINAL		32	annual	2/4/1999	AQD								
585710	119-61-9	benzophenone	182.2	FINAL		100	annual	7/15/2015	AQD				0.2	2	annual	7/10/2015	AQD
585711	119-90-4	3,3'-dimethoxybenzidine	244.28904	FINAL		9.8	annual	8/18/2016	AQD				0.039	0.39	annual	8/18/2016	AQD
585712	120-07-0	phenyldiethanolamine	181.2	FINAL		3	annual	11/26/2001	AQD								
585713	120-12-7	anthracene	178.24	FINAL		1000	annual	5/20/1993	EPA								
585714	120-82-1	1,2,4-trichlorobenzene	181.44	FINAL		4	annual	1/9/2006	AQD								
585715	120-83-2	2,4-dichlorophenol	163	FINAL		11	24 hr	5/5/2015	AQD								
585716	121-14-2	2,4-dinitrotoluene	182.15	FINAL		2	8 hr	9/27/1999	TLV				0.009	0.09	annual	9/27/1999	AQD
585717	121-43-7	trimethoxyborine	103.93	FINAL	40	770	1 hr	1/18/2019	AQD								
585718	121-44-8	triethylamine	101.19	FINAL		7	annual	12/20/1990	EPA	21	8 hr	TLV/REL					
585719	121-69-7	dimethylaniline	121.2	FINAL									0.085	0.85	annual	9/21/1993	AQD
585720	121-93-7	isopropyldiethanolamine		FINAL		0.1	annual	11/10/1998	AQD								
585721	122-20-3	triisopropanolamine (tipa)	191	FINAL		19	annual	6/8/2005	AQD								
585722	122-60-1	phenyl glycidyl ether	150.1	FINAL									0.1	1	annual	5/7/2008	AQD
585723	122-79-2	phenyl acetate	136.16	FINAL		0.1	annual	11/10/1998	AQD								
585724	122-99-6	ethylene glycol monophenyl ether	138.18	FINAL		8	annual	2/7/1996	AQD								
585725	123-03-5	cetylpyridinium chloride	340.05	FINAL		1.8	annual	6/21/1993	AQD								
585726	123-05-7	2-ethylhexanal	128.21	FINAL		10	annual	4/21/2001	AQD								
585727	123-19-3	dipropyl ketone	114	FINAL		250	annual	10/28/2009	AQD								
585728	123-31-9	hydroquinone	110.11	FINAL		140	annual	8/29/2016	EPA				0.058	0.58	annual	8/29/2016	EPA
585729	123-38-6	propionaldehyde	58.09	FINAL		8	annual	9/30/2008	EPA								
585730	123-42-2	diacetone alcohol	116.18	FINAL		2375	8 hr	6/5/2001	TLV								
585731	123-51-3	isoamyl alcohol	88.17	FINAL		360	8 hr	2/2/1995	TLV								
585732	123-54-6	2,4-pentanedione	100.13	FINAL		25	annual	2/7/2017	AQD								
585733	123-72-8	butyraldehyde	72.12	FINAL		7	annual	2/6/2017	AQD								
585734	123-86-4	n-butyl acetate	116.18	FINAL	15	2400	8 hr	10/17/2017	TLV								
585735	123-91-1	1,4-dioxane	88.12	FINAL		100	annual	1/29/2014	EPA	7200	1 hr	AQD	0.2	2	annual	1/29/2014	EPA
585736	123-92-2	isoamyl acetate	130.18	FINAL		2700	8 hr	1/17/2013	TLV	5300	1 hr	TLV/REL					
585737	124-04-9	adipic acid	146.14	FINAL		50	8 hr	7/12/2010	TLV								
585738	124-07-2	octanoic acid	144.24	FINAL		33	annual	3/9/1999	AQD								
585739	124-17-4	diethylene glycol monobutyl ether acetate	204.3	FINAL		1	annual	1/17/2017	AQD								
585740	124-26-5	octadecanamide	283.56	FINAL		0.1	annual	9/22/2000	AQD								
585741	124-28-7	N,N-dimethyl octadecylamine	297.64	FINAL		0.1	annual	11/10/1998	AQD								
585742	124-41-4	sodium methylate	54.03	FINAL		0.1	annual	11/10/1998	AQD								
585743	124-48-1	chlorodibromomethane	208.29	FINAL		70	annual	1/12/2017	EPA				0.042	0.42	annual	1/12/2017	EPA
585744	124-63-0	methyl sulfonyl chloride	114.5	FINAL		2	annual	11/15/2001	AQD								
585745	124-68-5	2-amino-2-methyl-1-propanol	89.16	FINAL		4	annual	1/16/1996	AQD								
585746	124-70-9	methylvinyldichlorosilane	141.08	FINAL		6	annual	9/10/2003	AQD								
585747	126-06-7	3-bromo-1-chloro-5,5-dimethylhydantoin	241.49	FINAL		2	8 hr	5/3/1993	TLV								
585748	126-30-7	neopentyl glycol	104.2	FINAL		0.1	annual	3/25/2008	AQD								
585749	126-71-6	triisobutyl phosphate	266.32	FINAL		22	8 hr	1/3/2014	AQD								
585750	126-72-7	tris(2,3-dibromopropyl) phosphate	697.67	FINAL									0.002	0.02	annual	1/11/1983	AQD
585751	126-73-8	tributyl phosphate	266.36	FINAL		22	8 hr	9/27/2002	TLV								
585752	126-86-3	2,4,7,9-tetramethyl-5-decyn-4,7-diol	226.36	FINAL	26			8/18/2016	AQD								
585753	126-99-8	beta-chloroprene	88.54	FINAL		20	annual	1/15/2016	EPA				0.002	0.02	annual	9/30/2010	AQD
585754	127-18-4	tetrachloroethylene	165.82	FINAL	13	40	annual	3/28/2012	EPA	1400	24 hr	AQD	4	40	annual	3/28/2012	EPA
585755	127-19-5	dimethyl acetamide		FINAL		100	annual	2/3/2017	AQD								
585756	127-91-3	pinene, beta	136.26	FINAL	18	1120	8 hr	4/16/2003	TLV								
585757	128-04-1	sodium dimethyl dithiocarbamate	143.21	FINAL		0.1	annual	8/30/1999	AQD								
585758	128-37-0	2,6-di-tert-butyl-p-cresol	220.39	FINAL									1	10	annual	8/1/1994	AQD
585759	129-00-0	pyrene	202.26	FINAL		100	annual	1/15/2015	EPA								
585760	131-11-3	dimethylphthalate	194.2	FINAL		50	8 hr	8/5/2011	TLV								
585761	131-17-9	diallyl phthalate	246.28	FINAL									0.1	1	annual	9/9/1999	AQD
585762	132-64-9	dibenzofuran	168.2	FINAL		40	annual	1/20/2016	EPA								
585763	134-29-2	o-ansidine hydrochloride	159.63	FINAL									0.04	0.4	annual	2/9/1983	AQD
585764	135-98-8	sec-butylbenzene		FINAL		6	annual	3/4/1994	AQD								
585765	136-47-0	tetracaine hyrochloride	300.87	FINAL		0.3	annual	12/8/1994	AQD/SAP								
585766	136-52-7	cobalt 2-ethylhexanoate	345	FINAL	42	0.2	8 hr	7/23/2019	TLV				0.00013	0.0013	annual	7/23/2019	EPA
585767	137-26-8	thiram	240.44	FINAL		18	annual	1/19/2016	AQD								
585768	137-32-6	2-methyl-1-butanol	88.17	FINAL		13	annual	2/13/2001	AQD								
585769	140-31-8	aminoethylpiperazine	129.24	FINAL		0.1	annual	7/12/2010	AQD								

ID	CAS Number	Chemical Name	Molecular Weight	Screening Level Review Status	AQD footnote	AQD ITSL	AQD Averaging Time	AQD Calculation Date	AQD ITSL Basis	AQD Secondary ITSL	AQD Secondary ITSL Averaging Time	AQD Secondary ITSL Basis	AQD IRSL	AQD SRSL	AQD Carcinogenicity Averaging Time	AQD Carcinogenicity Calculation Date	AQD IRSL Basis
585770	140-88-5	ethyl acrylate	100.13	FINAL		120	annual	3/31/2015	AQD	200	8 hr	TLV/REL					
585771	141-32-2	butyl acrylate	128.19	FINAL		100	8 hr	11/4/2010	TLV								
585772	141-43-5	ethanolamine	61.01	FINAL		80	8 hr	6/4/2013	TLV								
585773	141-62-8	decamethyltetrasiloxane		FINAL		0.1	annual	11/10/1998	AQD								
585774	141-63-9	linear dimethylsiloxanes,MD3M(&higher)	384.93	FINAL		0.1	annual	8/7/2001	AQD								
585775	141-78-6	ethyl acetate	88.12	FINAL		3200	annual	2/6/2017	AQD								
585776	141-79-7	mesityl oxide	98.2	FINAL		400	8 hr	3/17/2008	NIOSH								
585777	141-91-3	2,6-dimethyl morpholine	115.2	FINAL		377	annual	1/17/1997	AQD								
585778	141-97-9	ethyl acetoacetate	130.16	FINAL		46	annual	9/7/1999	AQD								
585779	142-29-0	cyclopentene	68.13	FINAL		5	annual	7/25/1994	AQD								
585780	142-59-6	ethylene bisthiocarbamate disodium	256.34	FINAL		1	annual	8/30/1999	AQD								
585781	142-71-2	cupric acetate	181.64	FINAL		2	8 hr		TLV								
585782	142-82-5	heptane	100.23	FINAL		3500	8 hr	7/14/1992	NIOSH								
585783	142-84-7	di-n-propylamine	101.22	FINAL		1.5	annual	3/9/1993	AQD								
585784	142-96-1	dibutyl ether		FINAL		33	annual	3/28/2003	AQD								
585785	143-22-6	triethylene glycol butyl ether	206	FINAL		18	annual	5/23/2014	AQD								
585786	143-29-3	butylcarbitol formal	336	FINAL		0.1	annual	3/5/2007	AQD								
585787	144-62-7	oxalic acid		FINAL		10	8 hr	12/27/2010	TLV								
585788	144-79-6	diphenylmethylchlorosilane		FINAL		0.1	annual	11/10/1998	AQD								
585789	145-73-3	endothall	186.16	FINAL													
585790	147-14-8	copper phthalocyanine	576.1	FINAL		21	annual	8/6/1999	AQD								
585791	147-94-4	cytarabine	243.25	FINAL		0.1	annual	11/10/1998	AQD								
585792	149-30-4	2-mercaptobenzothiazole	167.2513	FINAL									0.54	5.4	annual	5/13/2016	AQD
585793	149-57-5	2-ethylhexanoic acid	144.24	FINAL		70	annual	3/14/2016	AQD								
585794	149-73-5	trimethylorthoformate	106.14	FINAL		800	annual	10/11/1994	AQD/SAP								
585795	156-59-2	cis-1,2-dichloroethylene	96.94	FINAL		18	annual	9/30/2010	EPA								
585796	156-60-5	trans-1-2-dichloroethylene	96.94	FINAL		200	annual	1/20/2016	EPA								
585797	189-55-9	dibenzo(a,i)pyrene		FINAL	5										annual	11/4/2015	AQD
585798	189-64-0	dibenzo(a,h)pyrene		FINAL	5										annual	11/4/2015	AQD
585799	191-24-2	benzo(g,h,i)perylene	276.34	FINAL		13	annual	7/19/1993	AQD								
585800	191-30-0	dibenzo(a,l)pyrene		FINAL	5										annual	11/4/2015	AQD
585801	192-65-4	dibenzo(a,e)pyrene		FINAL	5										annual	11/4/2015	AQD
585802	193-39-5	Indeno(1,2,3-cd)pyrene	276.34	FINAL	5											11/2/2015	AQD
585803	205-82-3	benzo(j)fluoranthene		FINAL	5										annual	11/4/2015	AQD
585804	205-99-2	Benzo(b)fluoranthene	252.32	FINAL	5										annual	11/4/2015	AQD
585805	206-44-0	fluoranthene	202.26	FINAL		140	annual	4/7/2015	EPA								
585806	207-08-9	Benzo(k)fluoranthene	252.32	FINAL	5										annual	11/4/2015	AQD
585807	208-96-8	acenaphthylene	152.2	FINAL		35	annual	1/20/2016	AQD								
585808	218-01-9	chrysene	228.3	FINAL	5										annual	11/2/2015	AQD
585809	280-57-9	triethylenediamine	112	FINAL		6	annual	5/16/2005	AQD								
585810	287-92-3	cyclopentane	70.15	FINAL		17200	8 hr	2/6/1995	TLV								
585811	300-57-2	allyl benzene	118.19	FINAL		5	annual	11/10/1994	AQD								
585812	302-01-2	hydrazine	32.06	FINAL									0.0002	0.002	annual	6/3/1987	EPA
585813	302-22-7	chlormadinone acetate	404.97	FINAL		0.1	annual	8/25/1993	AQD								
585814	303-81-1	novobiocin	612.69	FINAL		40	annual	11/2/2015	AQD								
585815	309-00-2	aldrin	364.9	FINAL									0.0002	0.002	annual	10/15/1992	EPA
585816	313-06-4	estradiol cypionate	396.62	FINAL		0.1	annual	11/10/1998	AQD								
585817	319-84-6	alpha-hexachlorocyclohexane	290.82	FINAL									0.0006	0.006	annual	7/1/1993	EPA
585818	330-54-1	diuron	233.11	FINAL		7	annual	11/2/2015	EPA								
585819	335-67-1	perfluorooctanoic acid (pfoa)		FINAL	37	0.07	24 hr	2/2/2018	EPA								
585820	338-98-7	isoflupredone acetate	420.52	FINAL		0.01	annual	10/13/1994	AQD/SAP								
585821	353-50-4	carbonyl fluoride	66	FINAL		54	8 hr	6/26/2003	TLV								
585822	358-67-8	trifluoropropylmethyl dimethoxysilane	202	FINAL		100	annual	5/28/2009	AQD								
585823	359-07-9	2-bromo-1,1- difluoro ethane	144.9	FINAL		0.1	annual	6/12/2003	AQD								
585824	363-51-9	2-chloro-6-fluorobenzenamine	145.5	FINAL		0.1	annual	6/12/2003	AQD								
585825	363-72-4	pentafluorobenzene	168.07	FINAL		10	annual	1/7/2011	AQD								
585826	366-18-7	2,2'-bipyridyl	156.2	FINAL		0.8	annual	2/5/1998	AQD								
585827	382-21-8	perfluoroisobutylene	200.04	FINAL		0.8	1 hr	8/1/2003	TLV								
585828	385-00-2	2,6-difluorobenzoic acid	158.1	FINAL		0.1	annual	6/12/2003	AQD								
585829	431-89-0	hfc-227ea	170	FINAL	13	130000	annual	3/27/2006	AQD	5560000	1 hr						
585830	460-73-1	1,1,1,3,3-pentafluoropropane	134.1	FINAL		2000	annual	2/6/2017	AQD								

ID	CAS Number	Chemical Name	Molecular Weight	Screening Level Review Status	AQD footnote	AQD ITSL	AQD Averaging Time	AQD Calculation Date	AQD ITSL Basis	AQD Secondary ITSL	AQD Secondary ITSL Averaging Time	AQD Secondary ITSL Basis	AQD IRSL	AQD SRSL	AQD Carcinogenicity Averaging Time	AQD Carcinogenicity Calculation Date	AQD IRSL Basis
585831	461-58-5	cyanoguanidine	84.1	FINAL		0.1	annual	11/10/1998	AQD								
585832	463-58-1	carbonyl sulfide	60.07	FINAL		9	annual	7/6/1995	AQD								
585833	505-48-6	suberic acid	114.04	FINAL		17	annual	10/19/1994	AQD								
585834	509-14-8	tetranitromethane	196.05	FINAL		0.4	8 hr	12/4/2000	TLV				0.000066	0.00066	annual	12/4/2000	AQD
585835	513-35-9	amylene		FINAL		106	annual	10/1/2001	AQD								
585836	513-37-1	dimethylvinyl chloride	90.56	FINAL									0.008	0.08	annual	11/26/1986	AQD
585837	513-85-9	2,3-butanediol		FINAL		15	annual	8/31/2006	AQD								
585838	526-73-8	1,2,3-trimethylbenzene	120.21	FINAL	14	185	annual	1/13/2017	AQD	1200	8 hr	TLV/REL					
585839	526-75-0	2,3-dimethyl phenol	122.2	FINAL		2	annual	1/10/2002	AQD								
585840	532-27-4	alpha chloroacetophenone	154.6	FINAL		0.03	annual	11/2/2015	EPA								
585841	533-74-4	dazomet		FINAL		19	annual	11/4/2021	AQD								
585842	534-52-1	dinitro-o-cresol		FINAL		2	8 hr	6/23/2011	TLV								
585843	540-49-8	1,2-dibromoethylene	185.86	FINAL		0.1	annual	5/10/2011	AQD								
585844	540-59-0	1,2-dichloroethylene	96.94	FINAL		35	24 hr	8/29/2006	EPA								
585845	540-84-1	2,2,4-Trimethyl Pentane	114.26	FINAL	1	3500	8 hr	3/8/2005	NIOSH								
585846	540-88-5	tert-butyl acetate	116.16	FINAL	15	2400	8 hr	10/17/2017	TLV								
585847	540-97-6	dodecamethylcyclohexasiloxane		FINAL		400	annual	11/14/1994	AQD								
585848	541-02-6	decamethylcyclopentasiloxane	370.85	FINAL		200	annual	2/6/2017	AQD								
585849	541-05-9	hexamethylcyclotrisiloxane		FINAL		50	annual	8/6/1992	AQD								
585850	541-73-1	1,3-dichlorobenzene		FINAL		3	annual	8/2/2006	AQD								
585851	541-85-5	ethyl amyl ketone	128.21	FINAL		220	annual	2/6/2017	AQD								
585852	542-75-6	1,3-dichloropropene	110.97	FINAL		20	annual	10/14/2015	EPA				0.2	2	annual	5/25/2000	EPA
585853	542-88-1	bis(chloromethyl)ether	114.96	FINAL									0.000016	0.00016	annual	10/16/1992	EPA
585854	544-25-2	1,3,5-cycloheptatriene	92.14	FINAL		0.18	annual	3/4/2014	AQD								
585855	546-93-0	magnesium carbonate	84.32	FINAL		50	8 hr	9/29/1994	NIOSH								
585856	552-45-4	alpha-chloro-ortho-xylene	140.6	FINAL		0.1	annual	3/12/2004	AQD								
585857	556-67-2	octamethylcyclotetrasilo	296.68	FINAL		75	annual	1/21/2016	AQD								
585858	557-04-0	magnesium stearate	591.37	FINAL		100	8 hr	10/28/1993	TLV								
585859	557-05-1	zinc stearate	632.43	FINAL		50	8 hr	7/23/1997	NIOSH								
585860	563-47-3	3-chloro-2-methylpropene	90.56	FINAL									0.03	0.3	annual	9/25/1986	AQD
585861	565-59-3	2,3-dimethylpentane	100.23	FINAL		3500	8 hr	1/31/1995	NIOSH								
585862	576-26-1	2,6-dimethyl phenol	122.2	FINAL		2	annual	11/2/2015	EPA								
585863	584-84-9	2,4-toluene diisocyanate	174.15	FINAL	13	0.07	annual	1/13/2014	EPA	0.4	8 hr	TLV/REL				11/5/2009	
585864	589-34-4	3-methylhexane		FINAL		3500	8 hr	1/31/1995	NIOSH								
585865	590-01-2	n-butyl propionate	130.21	FINAL		102	annual	3/29/1996	AQD								
585866	590-86-3	isovaleraldehyde	86.13	FINAL		800	annual	6/20/2002	AQD								
585867	591-22-0	3,5-lutidine	107	FINAL		0.1	annual	8/4/2006	AQD								
585868	591-27-5	m-aminophenol	109.14	FINAL		390	annual	6/11/1993	AQD								
585869	591-76-4	2-methylhexane	100.23	FINAL		3500	8 hr	1/31/1995	NIOSH								
585870	591-78-6	methyl n-butyl ketone	100.18	FINAL		30	annual	11/17/2015	EPA								
585871	592-09-6	trifluoropropyltrichlorosilane		FINAL		0.1	annual	11/10/1998	AQD								
585872	592-42-7	1,5-hexanediene	82.15	FINAL		264	annual	6/12/1996	AQD								
585873	592-76-7	1-heptene	98.19	FINAL		24	annual	4/13/2004	AQD								
585874	592-84-7	butyl formate	102	FINAL		0.1	annual	9/10/2007	AQD								
585875	593-51-1	methylamine hydrochloride	109.16	FINAL		140	8 hr	4/23/2014	TLV								
585876	593-60-2	vinyl bromide	106.96	FINAL	3	30	annual	11/19/2015	EPA								
585877	606-46-2	n,n-diethyl-o-toluine		FINAL		0.1	annual	5/13/2003	AQD								
585878	608-31-1	2,6-dichlorobenzenamine	162	FINAL		0.1	annual	9/4/2003	AQD								
585879	611-14-3	1-ethyl-2-methylbenzene	120.21	FINAL		0.1	annual	11/10/1998	AQD								
585880	612-00-0	1,1-diphenylethane	182.3	FINAL		7	annual	8/3/2015	AQD								
585881	613-48-9	n,n-diethyl-p-toludine		FINAL		0.1	annual	5/13/2003	AQD								
585882	616-38-6	dimethyl carbonate	90.08	FINAL		300	annual	9/17/2010	AQD								
585883	617-94-7	phenyl isopropanol (2-phenyl-2-propanol)	136	FINAL		4	annual	3/14/2006	AQD								
585884	620-23-5	m-tolualdehyde	120.15	FINAL	20	440	annual	1/31/2006	AQD								
585885	621-64-7	n-nitroso-di-n-propylamine	130.22	FINAL									0.0005	0.005	annual	8/22/1995	AQD
585886	621-77-2	triamylamine	227.44	FINAL		0.1	annual	11/10/1998	AQD								
585887	622-96-8	p-ethyl toluene	120	FINAL		350	annual	4/5/2016	AQD								
585888	622-97-9	4-methylstyrene	118.2	FINAL		2	annual	8/2/2006	AQD								
585889	624-41-9	2-methyl butyl acetate	130	FINAL		1100	annual	4/22/2016	AQD								
585890	624-54-4	n-pentyl propionate	144.24	FINAL		21	annual	4/1/1993	AQD								
585891	624-83-9	methyl isocyanate	57.06	FINAL		1	annual	3/6/2017	EPA								

ID	CAS Number	Chemical Name	Molecular Weight	Screening Level Review Status	AQD footnote	AQD ITSL	AQD Averaging Time	AQD Calculation Date	AQD ITSL Basis	AQD Secondary ITSL	AQD Secondary ITSL Averaging Time	AQD Secondary ITSL Basis	AQD IRSL	AQD SRSL	AQD Carcinogenicity Averaging Time	AQD Carcinogenicity Calculation Date	AQD IRSL Basis
585892	624-92-0	dimethyl disulfide	94.2	FINAL		16	annual	11/20/2015	AQD	1200	24 hr	AQD					
585893	626-38-0	2-pentyl acetate	130.2	FINAL		2600	8 hr	8/30/2011	TLV								
585894	626-67-5	n-methylpiperidine	99.2	FINAL		8	annual	12/19/1996	AQD								
585895	627-20-3	cis-2-pentene	70.13	FINAL		0.1	annual	4/23/2001	AQD								
585896	627-30-5	3-chloro-1-propanol	94.55	FINAL		0.1	annual	11/10/1998	AQD								
585897	627-83-8	octadecanoic acid, 1,2-ethanediyl ester	594	FINAL		0.1	annual	9/22/2000	AQD								
585898	627-93-0	dimethyl adipate	174.22	FINAL	27			8/1/2012									
585899	628-63-7	n-amyl acetate	130.21	FINAL		1100	annual	4/22/2016	AQD								
585900	629-11-8	1,6-hexanediol	118.2	FINAL		14	annual	4/26/1994	AQD								
585901	629-73-2	1-hexadecene		FINAL		17	annual	1/17/1997	AQD								
585902	630-20-6	1,1,1,2-tetrachloroethane	167.84	FINAL									0.1	1	annual	5/4/1988	EPA
585903	632-22-4	tetramethyl urea		FINAL	13	0.8	annual	10/5/2006	AQD	230	24 hr	EPA/RfD					
585904	634-66-2	1,2,3,4-tetrachlorobenzene	215.88	FINAL		120	annual	4/5/2016	AQD								
585905	634-90-2	1,2,3,5-tetrachlorobenzene	216	FINAL		12	annual	1/22/2016	AQD								
585906	637-92-3	ethyl tertiary butyl ether	102.2	FINAL		9000	annual	8/3/2017	AQD								
585907	644-62-2	meclofenamic acid	296.16	FINAL		0.1	annual	11/10/1998	AQD								
585908	646-06-0	1,3-dioxolane	74.09	FINAL		10	annual	5/14/1992	AQD								
585909	668-45-1	chlorofluorobenzonitrile		FINAL		0.1	annual	11/10/1998	AQD								
585910	677-21-4	3,3,3-trifluoropropene	96.05	FINAL		280	annual	12/15/1999	AQD								
585911	684-93-5	n-nitroso-n-methylurea	103.1	FINAL									0.000001	0.00001	annual	5/17/1993	EPA
585912	694-83-7	1,2-Diaminocyclohexane	114.2	FINAL		2	annual	6/26/2018	AQD								
585913	694-87-1	benzocyclobutene		FINAL		220	annual	2/8/1991	AQD								
585914	696-82-2	2,4,6-trifluoropyrimidine	134.1	FINAL		0.1	annual	6/12/2003	AQD								
585915	701-64-4	monophenyl phosphoric acid	142	FINAL		3	annual	9/7/2000									
585916	756-79-6	dimethyl methyl phosphonate	124.09	FINAL		700	annual	4/7/2016	EPA								
585917	763-69-9	ethyl-3-ethyloxypropionate	146.21	FINAL		134	annual	4/6/2016	AQD/SAP								
585918	770-35-4	propylene glycol phenyl ether	152.07	FINAL		8	annual	7/2/1997	AQD								
585919	778-25-6	diphenylmethylsilanol	214.36	FINAL		6	annual	8/28/1996	AQD								
585920	807-28-3	tetraphenyldimethyldisiloxane		FINAL		0.1	annual	11/10/1998	AQD								
585921	811-97-2	1,1,1,2-tetrafluoroethane	101.62	FINAL		80000	annual	4/1/2016	EPA								
585922	814-68-6	acryloyl chloride		FINAL		0.3	annual	12/7/1993	AQD								
585923	818-61-1	hydroxyethyl acrylate	116.1	FINAL		1	annual	2/3/2017	AQD								
585924	822-06-0	hexamethylene diisocyanate	168.22	FINAL		0.2	annual	9/27/2013	AQD	0.3	8 hr	TLV/REL					
585925	827-52-1	cyclohexylbenzene	160.28	FINAL		0.1	annual	6/17/2010	AQD								
585926	836-30-6	n-nitrodiphenylamine	214	FINAL		1	annual	6/2/2006	AQD								
585927	838-85-7	diphenyl phosphoric acid	250	FINAL		0.1	annual	9/7/2000	AQD								
585928	859-18-7	lincomycin hydrochloride	443.06	FINAL		75	annual	11/3/2015	AQD								
585929	868-77-9	2-hydroxyethyl methacrylate	130.1	FINAL		10	annual	7/13/2004	AQD								
585930	872-36-6	vinylene carbonate	86.0462	FINAL		0.1	annual	9/10/2010	AQD								
585931	872-50-4	N-methylpyrrolidone	99.15	FINAL		5600	24 hr	10/10/2017	AQD								
585932	947-19-3	1-hydroxcyclohexyl phenyl ketone	206.03	FINAL		0.1	annual	10/26/2001	AQD								
585933	981-34-0	betamethasone 11		FINAL		17	annual	10/19/1994	AQD								
585934	992-94-9	methylsilane		FINAL		30	24 hr	8/9/2010	AQD								
585935	993-07-7	trimethylsilane	74.2	FINAL		340	annual	8/4/2005	AQD								
585936	994-05-8	tertiary amyl methyl ether	102.2	FINAL		62	24 hr	4/26/2001	AQD								
585937	996-35-0	dimethylisopropylamine	87.16	FINAL		200	annual	2/8/2010	AQD								
585938	999-97-3	hexamethyldisilazane	161.44	FINAL		206	annual	6/11/1993	AQD								
585939	1009-93-4	hexamethylcyclotrisilazane	219.57	FINAL		0.1	annual	11/10/1998	AQD								
585940	1047-16-1	quinacridone pigment	312.34	FINAL		0.1	annual	3/9/1994	AQD								
585941	1066-35-9	dimethylchlorosilane		FINAL	36	52	annual	8/10/2015	AQD	5400	1 hr	AQD					
585942	1066-40-6	trimethylsilanol		FINAL		65	annual	6/25/1993	AQD								
585943	1067-25-0	propyltrimethoxysilane	164	FINAL		1000	annual	6/11/2009	AQD								
585944	1070-10-6	2-ethylhexyltitanate		FINAL		0.1	annual	11/10/1998	AQD								
585945	1072-53-3	1,3,2-dioxathiolane,2,2-dioxide	124.11136	FINAL		0.1	annual	3/10/2011	AQD								
585946	1072-63-5	1-vinylimidazol		FINAL		180	24 hr	8/11/2015	AQD								
585947	1074-40-4	4,6-dichloro-2-methoxypyrimidine		FINAL		0.1	annual	6/12/2003	AQD								
585948	1111-74-6	dimethylsilane		FINAL		30	annual	1/14/2016	AQD								
585949	1112-39-6	dimethyldimethoxysilane		FINAL		90	annual	12/17/1991	AQD								
585950	1116-54-7	n-nitrosodiethanolamine	134.13	FINAL									0.0012	0.012	annual	2/8/2001	EPA
585951	1119-40-0	dimethyl glutarate		FINAL	27			8/1/2012									
585952	1120-36-1	1-tetradecene	196.37212	FINAL		29	annual	8/19/2014	AQD								

ID	CAS Number	Chemical Name	Molecular Weight	Screening Level Review Status	AQD footnote	AQD ITSL	AQD Averaging Time	AQD Calculation Date	AQD ITSL Basis	AQD Secondary ITSL	AQD Secondary ITSL Averaging Time	AQD Secondary ITSL Basis	AQD IRSL	AQD SRSL	AQD Carcinogenicity Averaging Time	AQD Carcinogenicity Calculation Date	AQD IRSL Basis
585953	1120-71-4	1,3-propane sultone	122.15	FINAL		2	annual	9/7/2010	AQD								
585954	1122-82-3	cyclohexyl isothiocyanate	141.23	FINAL		0.1	annual	4/21/2001	AQD								
585955	1156-19-0	tolazamide	311.44	FINAL		17	annual	10/19/1994	AQD								
585956	1163-19-5	decabromodiphenyl oxide	959.22	FINAL		25	24 hr	11/25/2015	EPA				5	50	annual	6/30/2008	EPA
585957	1184-85-6	methyl methane sulfonamide	109.16	FINAL		0.1	annual	6/22/2001	AQD								
585958	1185-55-3	trimethoxymethylsilane	136.25	FINAL		80	annual	11/15/1988	AQD								
585959	1194-02-1	p-fluorobenzonitrile		FINAL		0.5	annual	1/27/2004	AQD								
585960	1300-72-7	sodium xylenesulfonate	208.2	FINAL	26			11/27/2000	AQD								
585961	1302-42-7	sodium aluminate	81.97	FINAL	43			12/27/2018									
585962	1303-86-2	boron oxide	69.62	FINAL	40	520	1 hr		AQD								
585963	1306-38-3	cerium oxide	172.1	FINAL		0.9	annual	11/10/2015	EPA								
585964	1308-14-1	chromium (+3) hydroxide	103.03	FINAL		0.5	annual	11/5/2015	AQD								
585965	1308-38-9	chromium 3 oxide	152	FINAL		0.5	annual	11/5/2015	AQD								
585966	1309-42-8	magnesium hydroxide	58.33	FINAL	38	100	8 hr	9/7/1994	TLV								
585967	1309-48-4	magnesium oxide	40.31	FINAL	38	100	8 hr	9/7/1994	TLV								
585968	1309-64-4	antimony trioxide	291.5	FINAL		0.2	annual	9/1/1995	EPA								
585969	1310-53-8	germanium dioxide	104.59	FINAL		7	annual	1/27/1997	AQD								
585970	1310-58-3	potassium hydroxide	56.11	FINAL		20	1 hr	6/12/1996	TLV								
585971	1310-66-3	lithium hydroxide	23.95	FINAL		0.25	8 hr	6/10/2010	TLV								
585972	1310-73-2	sodium hydroxide	40	FINAL		8	1 hr	3/30/2017	AQD								
585973	1313-27-5	molybdenum trioxide	143.94	FINAL		5	8 hr	5/26/2009	TLV				0.12	1.2	annual	6/9/2009	AQD
585974	1313-96-8	niobium oxide		FINAL		0.1	annual	6/16/2010	AQD								
585975	1313-99-1	Nickel Oxide	74.7	FINAL									0.006	0.06	annual	9/17/2019	AQD
585976	1314-13-2	zinc oxide	81.37	FINAL		20	8 hr	12/1/2017	TLV								
585977	1314-28-9	rhenium oxide	123	FINAL		0.1	annual	9/4/2007	AQD								
585978	1314-62-1	vanadium pentoxide	181.88	FINAL		0.5	1 hr	9/24/1999	NIOSH								
585979	1317-33-5	molybdenum disulfide	160.07	FINAL		30	8 hr	5/26/2009	TLV								
585980	1317-38-0	Copper oxide	79.55	FINAL		2	8 hr	12/2/2009	TLV								
585981	1317-95-9	silica tripoli		FINAL	31	3	annual	7/3/2014	AQD								
585982	1319-77-3	cresol (mixed isomers)	108.15	FINAL	30	100	8 hr	2/24/2005	NIOSH								
585983	1320-67-8	propylene glycol monomethyl ether	90.14	FINAL		2000	annual	6/1/2016	EPA								
585984	1328-53-6	phthalocyanine pigment green		FINAL		0.1	annual	11/10/1998	AQD								
585985	1330-20-7	mixed xylenes	106.18	FINAL	2	390	annual	1/20/2016	EPA								
585986	1330-86-5	adipate plasticizer		FINAL		0.1	annual	11/10/1998	AQD								
585987	1332-21-4	asbestos		FINAL	16								0.000022	0.00022	annual	10/27/2000	EPA
585988	1332-58-7	kaolin		FINAL		20	8 hr	3/10/1998	TLV								
585989	1333-13-7	tert-butyl-m-cresol	164	FINAL		0.1	annual	9/7/1999	AQD								
585990	1333-86-4	carbon black		FINAL		30	8 hr	12/19/2012	TLV								
585991	1336-21-6	ammonium hydroxide	35.06	FINAL	39	720	1 hr	1/31/2017	AQD								
585992	1336-36-3	polychlorinated biphenyls		FINAL	8								0.01	0.1	annual	10/30/2015	EPA
585993	1338-23-4	methyl ethyl ketone peroxide	176.24	FINAL		15	1 hr	3/13/2007	TLV								
585994	1345-04-6	antimony trisulfide	339.72	FINAL		0.2	annual	11/9/2015	EPA								
585995	1345-05-7	lithopone		FINAL		0.1	annual	6/1/1999	AQD								
585996	1445-45-0	trimethyl-o-acetate		FINAL		24	annual	7/29/1993	AQD								
585997	1477-55-0	1,3-bis(aminomethyl)benzenen	136.2	FINAL		1	1 hr	3/30/2009	TLV								
585998	1559-35-9	ethylene glycol mono-2-ethylhexyl ether	174.32	FINAL		37	annual	7/23/1999	AQD								
585999	1559-36-0	diethylene glycol mono-2-ethylhexyl ether	218.34	FINAL		22	annual	7/26/1999	AQD								
586000	1559-37-1	triethylene glycol mono-2-ethyhexyl ether		FINAL		0.1	annual	6/1/1999	AQD								
586001	1569-01-3	1-propoxy-2-propanol	118.2	FINAL		86	annual	11/9/2015	AQD/SAP								
586002	1569-02-4	propylene glycol monoethyl ether (beta)	104.17	FINAL		240	annual	10/16/2000	AQD								
586003	1589-47-5	2-methoxy-1-propanol	90.14	FINAL		660	annual	5/26/2016	AQD								
586004	1590-87-0	disilane	62	FINAL		0.1	annual	2/4/2002	AQD								
586005	1623-15-0	monobutyl phosphoric acid	154	FINAL		15	annual	9/7/2000	AQD								
586006	1634-04-4	methyl t-butyl ether	88.17	FINAL		3000	annual	5/26/2016	EPA								
586007	1643-19-2	t-n-butyl ammonium bromide		FINAL		0.1	annual	11/10/1998	AQD								
586008	1702-17-6	clopyralid	192	FINAL		500	annual	1/27/2016	AQD								
586009	1717-00-6	1,1-dichloro-1-fluoroethane		FINAL		12800	annual	5/31/2016	AQD								
586010	1719-58-0	dimethylvinylchlorosilane		FINAL		0.1	annual	11/10/1998	AQD								
586011	1746-01-6	2,3,7,8-tetrachlorodibenzo(p)dioxin	321.96	FINAL	33	0.000002	annual	4/5/2012	EPA				0.000000023	0.00000023	annual	5/29/1992	EPA
586012	1758-88-9	2-ethyl-1,4-dimethyl benzene	134.2	FINAL		0.1	annual	11/6/2003	AQD								
586013	1760-24-3	n-(3-(trimethoxysilyl)propyl)-ethylenediamine	222.41	FINAL		8	annual	12/17/2007	AQD								

ID	CAS Number	Chemical Name	Molecular Weight	Screening Level Review Status	AQD footnote	AQD ITSL	AQD Averaging Time	AQD Calculation Date	AQD ITSL Basis	AQD Secondary ITSL	AQD Secondary ITSL Averaging Time	AQD Secondary ITSL Basis	AQD IRSL	AQD SRSL	AQD Carcinogenicity Averaging Time	AQD Carcinogenicity Calculation Date	AQD IRSL Basis
586014	1761-71-3	4,4'-diaminodicyclohexylmethane	210.41	FINAL		6	annual	3/9/2011	AQD								
586015	1763-23-1	perfluorooctane sulfonic acid (pfos)	500	FINAL	37	0.07	24 hr	2/16/2018	EPA								
586016	1873-88-7	heptamethyltrisiloxane		FINAL		0.1	annual	11/10/1998	AQD								
586017	1897-52-5	2,6-difluorobenzonitrile		FINAL		0.2	annual	8/11/1993	AQD								
586018	1912-83-0	stannous octoate	407.17	FINAL		3	8 hr	1/26/2016	TLV								
586019	2031-67-6	methyltriethoxysilane		FINAL		23	annual	12/6/1995	AQD								
586020	2050-92-2	diamylamine	157.34	FINAL		9	annual	6/24/1998	AQD								
586021	2157-45-1	tetra-2-methoxyethoxy-silane		FINAL		0.1	annual	11/10/1998	AQD								
586022	2160-93-2	t-butyldiethanolamine	161.2	FINAL		9	annual	1/18/2002	AQD								
586023	2238-07-5	diglycidyl ether	130.1	FINAL		0.5	8 hr	12/3/2012	TLV								
586024	2370-88-9	2,4,6,8-tetramethylcyclotetrasiloxane	240.5	FINAL		100	annual		AQD								
586025	2374-14-3	cyclic methyltrifluoropropylsiloxane, d3	468.6	FINAL		0.6	annual	8/28/1996	AQD								
586026	2403-89-6	1,2,2,6,6-pentamethyl-4-piperidinol	171.28	FINAL		0.1	annual	2/13/2003	AQD								
586027	2406-33-9	cyclopentyldichlorosilane		FINAL		0.1	annual	11/10/1998	AQD								
586028	2426-08-6	n-butyl glycidyl ether	130.21	FINAL		300	1 hr	1/15/2013	NIOSH	160	8 hr	TLV/REL					
586029	2467-02-9	bisphenol f	200.2	FINAL		0.1	annual	8/9/2005	AQD								
586030	2476-74-6	flumethasone 6		FINAL		0.1	annual	11/10/1998	AQD								
586031	2627-86-3	L-alpha-phenylethylamine		FINAL		0.1	annual	11/10/1998	AQD								
586032	2627-95-4	tetramethyldivinyldisiloxane		FINAL		38	annual	5/10/1993	AQD								
586033	2627-97-6	dimethyldiphenydivinylsiloxane		FINAL		0.1	annual	11/10/1998	AQD								
586034	2634-33-5	1,2-Benzisothiazol-3(2H)-one	151.183	FINAL	43			12/21/2018									
586035	2682-20-4	2-methyl-4-isothiazolin-3-one	115.1	FINAL		0.1	annual	8/31/1999	AQD								
586036	2687-91-4	1-ethyl-2-pyrrolidone	113.16	FINAL		4.9	annual	5/28/2013	AQD								
586037	2768-02-7	vinyltrimethoxysilane	148.26	FINAL		10	annual	11/15/1988	AQD								
586038	2807-30-9	ethylene glycol monopropyl ether	104.17	FINAL		30	annual	4/6/1993	AQD								
586039	2837-89-0	2-chloro-1,1,1,2-tetrafluoroethane	137.43	FINAL		5000	annual	6/22/2016	AQD								
586040	2919-66-6	melengesterol acetate	396.57	FINAL		2	annual	11/10/2015	AQD								
586041	2921-88-2	chlorpyrifos	350.59	FINAL		1	annual	1/15/2016	EPA	1	8 hr	TLV/REL					
586042	2958-75-0	1-methyldecahydronaphthalene	152.28	FINAL		0.1	annual	11/30/2018	AQD								
586043	2981-10-4	piperdinocyclohexene	165.31	FINAL		2	annual	9/26/1996	AQD								
586044	2996-92-1	phenyltrimethoxysilane	198.32	FINAL		60	annual	9/17/1999	AQD								
586045	3006-82-4	t-butylperoxy-2-ethylhexanoate	216.3	FINAL		0.1	annual	11/10/1998	AQD								
586046	3006-86-8	1,1-di-(tert-buytlperoxy)cyclohexane		FINAL		0.1	annual	4/1/2004	AQD								
586047	3033-62-3	bis (2-dimethylaminoethyl) ether	160	FINAL		0.3	annual	8/10/2015	AQD								
586048	3052-70-8	(1-methylethylidene)bis(1,1-dimethylpropyl)peroxide	388.6	FINAL		0.1	annual	9/2/2009	AQD								
586049	3081-01-4	santoflex 14	282.47	FINAL		0.1	annual	1/23/2004	AQD								
586050	3144-09-0	methanesulfonamide	95.12	FINAL		44	annual	11/15/2001	AQD								
586051	3153-26-2	vanadium oxide bis (2,4-pentanedionate)	265.16	FINAL		0.1	annual	2/13/2003	AQD								
586052	3236-53-1	trimethyl hexamethylenediamine		FINAL		0.1	annual	11/10/1998	AQD								
586053	3277-26-7	tetramethyldihydrogendisiloxane	134.36	FINAL		120	annual	3/27/1995	AQD								
586054	3282-30-2	pivaloyl chloride	120	FINAL		8	annual	7/18/2018	AQD								
586055	3290-92-4	trimethylolpropane trimethacrylate	338.44	FINAL		20	annual	1/5/1994	AQD								
586056	3390-61-2	tetraphenyldimethyl-2-phenylmethyltrisiloxane		FINAL		0.1	annual	11/10/1998	AQD								
586057	3399-73-3	cyclohexenylethylamine		FINAL		0.1	annual	11/10/1998	AQD								
586058	3697-24-3	5-methylchrysene		FINAL	5										annual	11/4/2015	AQD
586059	3731-51-9	2-(aminomethyl)pyridine	108.14	FINAL		0.1	annual	4/28/2006	AQD								
586060	3764-01-0	2,4,6-trichloropyrimidine	183.1	FINAL		0.1	annual	6/12/2003	AQD								
586061	3779-63-3	aliphatic polyisocyanate-1		FINAL		0.1	annual	11/10/1998	AQD								
586062	3814-34-4	2-ethylbutyl bromide	165.1	FINAL		0.1	annual	5/28/2008	AQD								
586063	3843-16-1	distearyldimethylammonium methosulfate		FINAL		0.1	annual	11/10/1998	AQD								
586064	3982-82-9	tetraphenyldimethyl-2-dimethyltrisiloxane		FINAL		0.1	annual	11/10/1998	AQD								
586065	3986-89-8	progesterone 4		FINAL		0.1	annual	11/10/1998	AQD								
586066	4098-71-9	isophorone diisocyanate	222.3	FINAL		0.45	8 hr	4/15/2013	TLV								
586067	4109-96-0	dichlorosilane	101.01	FINAL	36	28	annual	7/28/2015	AQD	2900	1 hr	AQD					
586068	4170-30-3	crotonaldehyde	70.1	FINAL		9	1 hr	9/16/2002	AQD								
586069	4221-98-1	p-mentha-1,5-diene	136.2	FINAL		0.1	annual	6/23/2009	AQD								
586070	4253-34-3	methyltriacetoxysilane	220.28	FINAL		0.1	annual	8/21/2001	AQD								
586071	4420-74-0	3-mercaptopropyltrimethoxysilane	196.3	FINAL		2.4	annual	10/25/2004	AQD								
586072	4435-53-4	butoxyl	146.21	FINAL		14	annual	8/19/1993	AQD								
586073	4444-67-1	di-sec-butylamine		FINAL		417	annual	5/26/1998	AQD								
586074	4620-70-6	t-butylaminoethanol	117.2	FINAL		5	annual	2/11/2002	AQD								

ID	CAS Number	Chemical Name	Molecular Weight	Screening Level Review Status	AQD footnote	AQD ITSL	AQD Averaging Time	AQD Calculation Date	AQD ITSL Basis	AQD Secondary ITSL	AQD Secondary ITSL Averaging Time	AQD Secondary ITSL Basis	AQD IRSL	AQD SRSL	AQD Carcinogenicity Averaging Time	AQD Carcinogenicity Calculation Date	AQD IRSL Basis
586075	4652-27-1	4-methoxy-3-buten-2-one	100.1	FINAL		0.1	annual	6/12/2003	AQD								
586076	4719-04-4	1,3,5-triazine-1,3,5(2h,4h,6h)-triethanol	219.28	FINAL		0.015	annual	2/6/2015	AQD								
586077	4994-16-5	4-phenylcyclohexene	158.26	FINAL		33	annual	11/16/2000	AQD								
586078	5131-66-8	propylene glycol n-butyl ether (alpha isomer)	132.23	FINAL	23	77	annual	3/22/2007	AQD								
586079	5314-55-6	ethyltrimethoxysilane		FINAL		3	annual	12/2/1993	AQD								
586080	5329-14-6	sulfamic acid	97.1	FINAL		5	annual	7/27/1999	AQD								
586081	5436-21-5	4,4-dimethoxy-2-butanone	132	FINAL		20	annual	9/25/2003	AQD								
586082	5507-44-8	vinylmethyldiethoxysilane	160.29	FINAL		0.1	annual	7/16/2001	AQD								
586083	5509-65-9	2,6-difluoroaniline		FINAL		2	annual	8/11/1993	AQD								
586084	5779-94-2	2,5-dimethylbenzaldehyde		FINAL		0.1	annual	6/23/2009	AQD								
586085	5888-33-5	iso-bornyl acrylate	208.3	FINAL		14	annual	7/13/2004	AQD								
586086	5906-75-2	vinyl dimethylsilanol		FINAL		0.1	annual	11/10/1998	AQD								
586087	5989-27-5	d-limonene	136.26	FINAL		6250	annual	7/19/1996	AQD								
586088	6004-24-6	cetylpyridinium chloride monohydrate	358.07	FINAL		1.8	annual	6/21/1993	AQD								
586089	6166-86-5	cyclic methylhydrogensiloxane, d5		FINAL		0.1	annual	11/10/1998	AQD								
586090	6192-52-5	p-toluenesulfonic acid monohydrate	190	FINAL	9 13	1.9	annual	11/4/2016	AQD	230	1 hr	AQD					
586091	6408-78-2	C.I. acid blue 25		FINAL		0.1	annual	11/10/1998	AQD								
586092	6419-19-8	aminotrimethylene phosphonic acid		FINAL		0.1	annual	8/25/1999	AQD								
586093	6574-99-8	3,4-dichlorobenzonitrile	172	FINAL		2	annual	9/25/2003	AQD								
586094	6674-22-2	1,8-diazabicyclo[5.4.0]undec-7-ene	152.2	FINAL		25	annual	2/7/2017	AQD								
586095	6700-34-1	dextromethorphan hydrochloride	271.4	FINAL		0.4	annual	5/22/2007	AQD								
586096	6713-03-7	1-(2-hydroxyethylthio)propane		FINAL		0.1	annual	6/1/1999	AQD								
586097	6846-50-0	2,2,4-trimethylpentanediol-1,3-diisobutyrate	286.46	FINAL		106	annual	10/23/1996	AQD								
586098	6864-37-5	bis(4-amino-3-methylcyclohexyl)methane	238.42	FINAL		2	annual	7/16/2018	AQD								
586099	6904-66-1	tetraphenylhexamethyltetrasiloxane		FINAL		0.1	annual	11/10/1998	AQD								
586100	6915-15-7	malic acid	134.1	FINAL		5	annual	4/12/2004	AQD								
586101	6975-71-9	cyclohexenylacetonitrile		FINAL		3.5	annual	1/13/1994	AQD								
586102	7085-85-0	ethyl 2-cyanoacrylate	125.1	FINAL		10	8 hr	7/13/2004	TLV								
586103	7439-93-2	lithium		FINAL		35	24 hr	6/6/2011	AQD								
586104	7439-95-4	magnesium	24.31	FINAL	38	100	8 hr	9/7/1994	TLV								
586105	7439-96-5	manganese and manganese compounds	54.94	FINAL	29	0.3	annual	5/12/2014	AQD								
586106	7439-97-6	mercury and mercury compounds		FINAL	7	0.3	annual	5/28/2015	EPA	1	24 hr	AQD					
586107	7439-98-7	molybdenum	95.94	FINAL		30	8 hr	4/6/2009	TLV								
586108	7440-02-0	nickel	58.71	FINAL									0.006	0.06	annual	9/17/2019	AQD
586109	7440-05-3	palladium	106	FINAL		0.1	annual	7/27/2005	AQD								
586110	7440-06-4	platinum soluble salt	195.09	FINAL		0.02	8 hr	5/10/1993	TLV								
586111	7440-22-4	silver - soluble	107.87	FINAL		0.1	8 hr	7/9/1997	NIOSH								
586112	7440-24-6	strontium		FINAL	26												
586113	7440-28-0	thallium and thallium compounds		FINAL		0.1	annual	11/17/2015	EPA	0.2	8 hr	TLV/REL					
586114	7440-31-5	tin	118.69	FINAL		20	8 hr	11/8/1996	TLV								
586115	7440-32-6	Titanium		FINAL		24	8 hr	2/22/2019	AQD								
586116	7440-36-0	antimony	121.75	FINAL		0.2	annual	4/27/1998	EPA								
586117	7440-38-2	arsenic	74.92	FINAL									0.0002	0.002	annual	1/13/1988	EPA
586118	7440-39-3	barium and soluble barium compounds	137.34	FINAL	35	5	8 hr	3/26/2015	TLV								
586119	7440-41-7	beryllium	9.01	FINAL		0.02	24 hr	3/26/1998	EPA				0.0004	0.004	annual	3/26/1998	EPA
586120	7440-43-9	cadmium	112.4	FINAL									0.0006	0.006	annual	6/4/1992	EPA
586121	7440-45-1	cerium	140.12	FINAL		6	annual	10/6/1994	AQD								
586122	7440-47-3	chromium	52	FINAL	17												
586123	7440-48-4	cobalt and cobalt compounds that release cobalt ions	58.93	FINAL	42	0.2	8 hr	5/15/1995	TLV				0.00013	0.0013	annual	7/23/2019	EPA
586124	7440-50-8	copper	63.54	FINAL		2	8 hr	12/2/2009	TLV								
586125	7440-65-5	yttrium	88.90585	FINAL		10	8 hr	9/8/2011	NIOSH								
586126	7446-08-4	selenium dioxide	110.96	FINAL	34	2	8 hr	3/24/1998	TLV								
586127	7446-11-9	sulfur trioxide	80.06	FINAL	9,13	1	annual	12/1/2011	AQD	120	1 hr	AQD					
586128	7446-34-6	selenium sulfide	143.09	FINAL		2	8 hr	3/12/2015	TLV								
586129	7446-70-0	aluminum chloride	133.33	FINAL		0.1	annual	2/7/2017	AQD								
586130	7473-98-5	2-hydroxy-2-methyl-1-phenyl-1-propanone		FINAL		0.1	annual	11/10/1998	AQD								
586131	7488-56-4	selenium disulfide	143.09	FINAL	34	2	8 hr	3/24/1998	TLV								
586132	7525-62-4	ethylvinyl benzene	132.22	FINAL		0.1	annual	3/4/1994	AQD								
586133	7553-56-2	iodine	253.8	FINAL		1	8 hr	12/3/2012	TLV								
586134	7558-79-4	disodium hydrogen phosphate	114	FINAL		10	annual	8/1/2012	AQD								
586135	7580-85-0	2-tert-butoxyethanol	118.18	FINAL		7	annual	3/22/2006	AQD								

ID	CAS Number	Chemical Name	Molecular Weight	Screening Level Review Status	AQD footnote	AQD ITSL	AQD Averaging Time	AQD Calculation Date	AQD ITSL Basis	AQD Secondary ITSL	AQD Secondary ITSL Averaging Time	AQD Secondary ITSL Basis	AQD IRSL	AQD SRSL	AQD Carcinogenicity Averaging Time	AQD Carcinogenicity Calculation Date	AQD IRSL Basis
586136	7631-90-5	sodium bisulfite	104.06	FINAL		50	8 hr	6/28/1996	TLV								
586137	7631-95-0	sodium molybdate	205.92	FINAL		5	8 hr	5/26/2009	TLV								
586138	7632-00-0	sodium nitrite	69	FINAL		10	annual	2/3/1994	AQD								
586139	7632-04-4	sodium perborate	82.81	FINAL	40	610	1 hr	1/18/2019	AQD								
586140	7637-07-2	boron trifluoride	67.82	FINAL		0.7	24 hr	5/7/1997	EPA								
586141	7647-01-0	hydrogen chloride	36.46	FINAL	13	20	annual	10/28/2009	EPA	2100	1 hr	AQD					
586142	7647-15-6	sodium bromide	102.9	FINAL		140	annual	2/3/1994	AQD								
586143	7664-38-2	phosphoric acid	98	FINAL		10	annual	8/1/1995	EPA								
586144	7664-39-3	hydrogen fluoride	20.01	FINAL	13	14	annual	11/24/2009	AQD	240	1 hr	AQD					
586145	7664-41-7	ammonia	17.04	FINAL	39	350	1 hr	1/31/2017	AQD			AQD					
586146	7664-93-9	sulfuric acid	98.08	FINAL	9,13	1	annual	12/1/2011	AQD	120	1 hr	AQD					
586147	7681-49-4	sodium fluoride	41.99	FINAL	41	60	8 hr	3/18/1994	TLV								
586148	7681-52-9	sodium hypochlorite	74.44	FINAL		16	8 hr	6/28/1996	AQD								
586149	7681-82-5	sodium iodide	149.89	FINAL		0.1	annual	11/10/1998	AQD								
586150	7691-02-3	tetramethyldivinyldisila		FINAL		30	annual	8/21/2001	AQD								
586151	7697-37-2	nitric acid	63.02	FINAL		50	8 hr	2/1/1993	NIOSH								
586152	7704-34-9	sulfur (elemental)	32	FINAL	26			10/30/2003									
586153	7722-64-7	potassium permanganate	158.04	FINAL	29	0.6	8 hr	11/20/2015	AQD								
586154	7722-76-1	ammonium dihydrogen phosphate		FINAL		0.1	annual	4/27/2010	AQD								
586155	7722-84-1	hydrogen peroxide	34.02	FINAL		14	8 hr	1/17/2018	TLV								
586156	7723-14-0	phosphorus	123.9	FINAL	32	20	24 hr	11/30/2016	EPA			EPA/RfD					
586157	7726-95-6	bromine	159.82	FINAL		7	8 hr	1/10/2012	TLV								
586158	7727-43-7	barium sulfate	233.4	FINAL		50	8 hr	1/21/2010	NIOSH								
586159	7757-83-7	sodium sulfite	126.04	FINAL		0.028	annual	10/5/1993	AQD								
586160	7758-05-6	potassium iodate	214	FINAL		1	annual	4/27/1994	AQD								
586161	7758-98-7	copper sulfate, anhydrous	159.6	FINAL		10	8 hr	10/25/2000	TLV								
586162	7758-99-8	copper sulfate pentahydrate	249.68	FINAL		10	8 hr	10/14/2000	TLV								
586163	7782-49-2	selenium and inorganic selenium compounds	78.96	FINAL	34	2	8 hr	3/24/1998	TLV								
586164	7782-50-5	chlorine	70.9	FINAL	13	0.3	annual	11/1/2010	AQD	500	8 hr	AQD					
586165	7782-65-2	germanium tetrahydride	76.63	FINAL		6	8 hr	1/18/2002	TLV								
586166	7783-00-8	selenious acid	128.97	FINAL	34	2	8 hr	3/24/1998	TLV								
586167	7783-06-4	hydrogen sulfide	34.08	FINAL		10	annual	1/25/2018	EPA	100	24 hr	AQD					
586168	7783-28-0	diammonium hydrogen phosphate		FINAL		0.1	annual	4/27/2010									
586169	7783-54-2	nitrogen trifluoride	71.01	FINAL		290	8 hr	10/17/1995	TLV								
586170	7783-61-1	silicon tetrafluoride	104	FINAL		0.2	annual	12/3/2007	AQD								
586171	7784-42-1	arsine	77.95	FINAL		0.05	annual	3/1/1994	EPA								
586172	7786-30-3	magnesium chloride		FINAL		5	annual	5/14/1996	AQD								
586173	7786-81-4	Nickel Sulfate	154.8	FINAL									0.006	0.06	annual	9/17/2019	AQD
586174	7789-23-3	potassium fluoride	58.1	FINAL		76	8 hr	9/21/1994	TLV								
586175	7789-82-4	calcium molybdate	200.02	FINAL		5	8 hr	5/26/2009	TLV								
586176	7803-51-2	phosphine	34	FINAL		0.3	annual	7/1/1995	EPA								
586177	7803-52-3	stibine	124.78	FINAL		5	8 hr	4/27/1998	TLV								
586178	7803-62-5	silicon tetrahydride	32.13	FINAL		30	annual	7/2/2015	AQD								
586179	8001-35-2	toxaphene	413.8	FINAL									0.003	0.03	annual	3/5/1987	EPA
586180	8001-79-4	castor oil		FINAL		50	8 hr	8/2/1999	NIOSH								
586181	8002-09-3	yarmor pine oil		FINAL		10	annual	8/26/2003	AQD								
586182	8002-74-2	paraffin wax fume	375	FINAL		20	8 hr	11/8/1999	TLV								
586183	8005-02-5	solvent black		FINAL		0.1	annual	11/10/1998	AQD								
586184	8006-61-9	gasoline		FINAL									2	20	annual	11/10/2004	EPA
586185	8006-64-2	turpentine	136.26	FINAL	18	1120	8 hr	4/16/2003	TLV								
586186	8007-45-2	coke oven emissions		FINAL									0.001	0.01	annual	10/27/2015	EPA
586187	8008-20-6	kerosene	170	FINAL	44	200	annual	11/22/2021	AQD	2000	8 hr	TLV/REL					
586188	8012-95-1	mineral oil		FINAL	11	50	8 hr	7/19/1993	TLV								
586189	8014-95-7	oleum	178.14	FINAL	9,13	1	annual	12/1/2011	AQD	120	1 hr	AQD					
586190	8020-83-5	deodorized kerosene	170	FINAL	44	200	annual	11/22/2021	AQD	2000	8 hr	TLV/REL					
586191	8030-30-6	naphtha		FINAL	1	4000	8 hr	2/27/2013	NIOSH								
586192	8032-32-4	VM & P naphtha		FINAL	1	3500	8 hr	12/10/1992	NIOSH								
586193	8042-47-5	white mineral oil		FINAL	11	50	8 hr	7/19/1993	TLV								
586194	8050-09-7	colophony		FINAL		1	1 hr	2/12/1996	NIOSH								
586195	8052-41-3	stoddard solvent		FINAL	1	3500	8 hr	12/10/1992	NIOSH								
586196	8052-42-4	asphalt fumes		FINAL	5										annual	11/4/2015	AQD

ID	CAS Number	Chemical Name	Molecular Weight	Screening Level Review Status	AQD footnote	AQD ITSL	AQD Averaging Time	AQD Calculation Date	AQD ITSL Basis	AQD Secondary ITSL	AQD Secondary ITSL Averaging Time	AQD Secondary ITSL Basis	AQD IRSL	AQD SRSL	AQD Carcinogenicity Averaging Time	AQD Carcinogenicity Calculation Date	AQD IRSL Basis
586197	9000-90-2	alpha-amylase		FINAL	4	0.02	1 hr	1/14/1997	TLV								
586198	9001-92-7	bacillus subtilis neutral protease		FINAL	4	0.02	1 hr	1/14/1997	TLV								
586199	9002-86-2	polyvinyl chloride		FINAL		5	annual	8/27/1997	AQD								
586200	9002-92-0	polyoxyethylene lauryl ether		FINAL		12	annual	3/29/2004	AQD								
586201	9002-93-1	triton x100	250.4	FINAL		0.15	annual	11/19/2003	AQD								
586202	9003-11-6	methyl oxirane (pluronic p103)		FINAL		0.1	annual	11/10/1998	AQD								
586203	9003-13-8	polyalkylene glycol monobutyl ether/ butoxypolypropylene glycol		FINAL		160	annual	8/20/1999	AQD								
586204	9003-22-9	polyvinylchloride/polyvinylacetate		FINAL	26												
586205	9003-39-8	polyvinyl pyrrolidone		FINAL		4	annual	10/29/1993	AQD								
586206	9003-55-8	styrene-butadiene polymer		FINAL		0.1	annual	9/27/2001	AQD								
586207	9004-32-4	carboxymethyl cellulose		FINAL		300	annual	8/22/1991	AQD								
586208	9004-58-4	ethylhydroxyethyl cellulose		FINAL	26												
586209	9004-74-4	polyethylene glycol methyl ether		FINAL		13	annual	12/17/1996	AQD								
586210	9005-70-3	witconol al 69-66		FINAL		0.1	annual	11/10/1998	AQD								
586211	9011-17-0	polyvinylidine fluoride		FINAL		0.1	annual	9/2/2010	AQD								
586212	9014-01-1	subtilisin		FINAL	4	0.02	1 hr	1/8/1997	TLV								
586213	9014-85-1	tetramethyl decyndiol		FINAL		0.1	annual	1/29/2001	AQD								
586214	9014-92-0	t-det dd-14		FINAL		0.1	annual	11/10/1998	AQD								
586215	9016-45-9	igepal co-630	527.87	FINAL		18	annual	2/7/1995	AQD								
586216	9016-87-9	polmeric methylene diphenyl diisocyanate		FINAL		0.6	annual	1/23/2017	EPA								
586217	9036-19-5	polyethylene glycol mono(octylphenyl)ether	294.432	FINAL		1.9	annual	7/8/2021	AQD								
586218	9063-06-3	oxirane, methyl-, polymer with oxirane, monomethyl ether		FINAL		0.1	annual	11/10/1998	AQD								
586219	10025-78-2	trichlorosilane	135.45	FINAL		8	annual	12/5/1994	AQD								
586220	10025-91-9	antimony trichloride	228.13	FINAL		5	8 hr	4/27/1998	TLV								
586221	10026-04-7	silicon tetrachloride	169.89	FINAL		1100	annual	10/27/1988	AQD								
586222	10034-93-2	hydrazine sulfate	130.14	FINAL									0.0008	0.008	annual	12/23/1992	EPA
586223	10034-96-5	manganese sulfate monohydrate	169.02	FINAL	29												
586224	10035-10-6	hydrogen bromide	80.92	FINAL		70	1 hr	1/10/2012	TLV								
586225	10039-56-2	sodium hypophosphite monohydrate	106	FINAL		0.1	annual	11/10/1998	AQD								
586226	10043-35-3	boric acid		FINAL	40	460	1 hr	1/18/2019	AQD								
586227	10049-04-4	chlorine dioxide	67.45	FINAL		0.2	24 hr	10/12/2000	EPA								
586228	10096-91-0	hydroxyphenylbenzotriazole		FINAL		0.1	annual	2/13/2001	AQD								
586229	10097-09-3	bis-urea accelerator		FINAL		0.1	annual	6/28/2000	AQD								
586230	10102-18-8	sodium selenite	172.95	FINAL	34	2	8 hr	3/24/1998	TLV								
586231	10215-30-2	2-propoxy-1-propanol	118	FINAL		0.1	annual	6/20/2006	AQD								
586232	10377-60-3	magnesium nitrate		FINAL	38			8/30/1999									
586233	10431-98-8	2-ethyl-2-oxazoline		FINAL		53	annual	6/18/1986	AQD								
586234	10469-09-7	tetrachloropicolinic acid		FINAL		21	annual	3/14/1995	AQD								
586235	10482-56-1	alpha-terpineol	154.25	FINAL		0.1	annual	5/10/2011	AQD								
586236	10551-21-0	phenethyl alpha picolinium bromide		FINAL		0.1	annual	11/10/1998	AQD								
586237	12021-95-3	hexafluorozirconium acid	207.2	FINAL		0.1	annual	2/16/2006	AQD								
586238	12035-72-2	nickel subsulfide	240.25	FINAL									0.0021	0.021	annual	5/9/1991	AQD
586239	12037-29-5	praseodymium oxide	1021.4	FINAL		0.1	annual	7/27/2005	AQD								
586240	12054-85-2	ammonium molybdate	1235.86	FINAL		5	8 hr	3/31/2009	TLV								
586241	12070-12-1	tungsten carbide	195.86	FINAL	6	50	8 hr	9/6/1995	NIOSH								
586242	12136-45-7	potassium oxide		FINAL		0.1	annual	7/13/2007	AQD								
586243	12262-58-7	cyclohexanone peroxide	244	FINAL		0.1	annual	4/28/2006	AQD								
586244	12401-86-4	sodium monoxide	61.89	FINAL		0.1	annual	7/29/2005	AQD								
586245	12789-03-6	chlordane (technical)		FINAL		0.7	annual	3/17/1998	EPA				0.01	0.1	annual	11/3/1997	EPA
586246	13007-85-7	sodium glucoheptonate	284	FINAL		0.1	annual	11/10/1998	AQD								
586247	13209-41-1	17,21-dihydroxy-16 alpha-methylpregna-1,4,9(11)-triene-3,20-dione		FINAL		0.1	annual	11/10/1998	AQD								
586248	13410-01-0	selenic acid	144.97	FINAL	34	2	8 hr	3/24/1998	TLV								
586249	13463-67-7	titanium dioxide	79.9	FINAL		24	8 hr	7/28/2015	NIOSH								
586250	13465-77-5	hexachlorodisilane		FINAL		0.1	annual	11/10/1998	AQD								
586251	13466-78-9	carene, delta	136.26	FINAL	18	1120	8 hr	4/16/2003	TLV								
586252	13528-93-3	bis(me2clsilyl)ethane		FINAL		0.1	annual	11/10/1998	AQD								
586253	13597-73-4	disiloxane		FINAL		0.1	annual	11/10/1998	AQD								
586254	13701-59-2	barium metaborate monohydrate	222.96	FINAL		0.1	annual	11/10/1998	AQD								
586255	13879-32-8	1,1'[methylenebis(oxyethane-1,2-diloxy)]bisbenzene	288.3383	FINAL		0.1	annual	11/19/2010	AQD								
586256	13952-84-6	sec-butylamine	73.16	FINAL		5	annual	6/24/1998	AQD								
586257	14464-46-1	silica cristobalite	60.09	FINAL	31	3	annual	7/3/2014	AQD								

ID	CAS Number	Chemical Name	Molecular Weight	Screening Level Review Status	AQD footnote	AQD ITSL	AQD Averaging Time	AQD Calculation Date	AQD ITSL Basis	AQD Secondary ITSL	AQD Secondary ITSL Averaging Time	AQD Secondary ITSL Basis	AQD IRSL	AQD SRSL	AQD Carcinogenicity Averaging Time	AQD Carcinogenicity Calculation Date	AQD IRSL Basis
586258	14579-03-4	cyclopentyltrichlorosilane		FINAL		0.1	annual	11/10/1998	AQD								
586259	14807-96-6	talc	96.33	FINAL									0.8	8	annual	4/14/1995	AQD/SAP
586260	14808-60-7	silica quartz	60.09	FINAL	31	3	annual	7/3/2014	AQD								
586261	14960-06-6	sodium lauriminodipropionate	351	FINAL		0.1	annual	9/6/2000	AQD								
586262	15096-52-3	sodium aluminum fluoride	209.95	FINAL		270	8 hr	3/18/1994	TLV								
586263	15245-12-2	nitric acid, ammonium calcium salt	244.13	FINAL		0.1	annual	11/7/2011	AQD								
586264	15321-61-6	iron oxalate		FINAL		0.1	annual	4/28/2010	AQD								
586265	15468-32-3	silica tridymite	60.09	FINAL	31	3	annual	7/3/2014	AQD								
586266	15821-83-7	propylene glycol n-butyl ether (beta isomer)	132	FINAL	23	77	annual	3/22/2007									
586267	15956-58-8	manganese 2-ethylhexanoate	341	FINAL	29												
586268	16065-83-1	Chromium, trivalent	52	FINAL		5	8 hr	12/26/1995	TLV								
586269	16079-88-2	1-bromo-3-chloro-5,5-dimethylhydantoin	241.49	FINAL		2	8 hr	5/3/1993	AQD								
586270	16369-21-4	n-propylethanolamine	103.16	FINAL		28	annual	7/2/2001	AQD								
586271	16691-43-3	3-amino-5-mercapto-1,2,4-triazole	116.16	FINAL		7	annual	9/21/1994	AQD								
586272	16753-62-1	methylvinyldimethoxysilane	132	FINAL		100	annual	6/2/2009	AQD								
586273	16881-77-9	methyldimethoxysilane	106.22	FINAL		92	annual	2/13/2003	AQD								
586274	16883-83-3	1,3-pentanediol-2,2,4-trimethyl-3-(benzyl phthalate)-isobutyrate		FINAL		0.1	annual	11/8/1999	AQD								
586275	16893-85-9	sodium silicofluoride	188.07	FINAL		250	8 hr	3/18/1994	TLV								
586276	16919-31-6	ammonium hexafluorozirconate	241.2	FINAL		0.1	annual	2/16/2006	AQD								
586277	17557-23-2	neopentyl glycol diglycidyl ether	216	FINAL		0.1	annual	5/8/2008	AQD								
586278	17639-93-9	methyl chloroproprionate	122.56	FINAL		6	annual	4/24/1985	AQD								
586279	18063-03-1	2,6-difluorobenzamide	157.12	FINAL		11	annual	5/5/2003	AQD								
586280	18300-89-5	cinnamate	215.27	FINAL		0.1	annual	11/10/1998	AQD								
586281	18387-19-4	1,1,2,4-tetramethyl-1-1-sila-2-aza-cyclopentane		FINAL		0.7	annual	7/25/1994	AQD								
586282	18395-30-7	isobutyltrimethoxysilane		FINAL		200	annual	12/17/1991	AQD								
586283	18540-29-9	chromium, hexavalent - mist	52	FINAL		0.008	annual	9/3/2015	EPA				0.000083	0.00083	annual	4/28/1998	EPA
586284	18540-29-9	chromium, hexavalent - particulate	52	FINAL		0.1	annual		EPA				0.000083	0.00083	annual	4/28/1998	EPA
586285	18868-43-4	molybdenum dioxide	127.94	FINAL		30	8 hr	5/26/2009	TLV								
586286	19089-47-5	propylene glycol monoethyl ether (alpha)	104.1	FINAL		23	annual	12/10/2002	AQD								
586287	19430-93-4	perfluorobutylethylene	246.09	FINAL		2600	annual	7/9/2021	AQD	10000	8 hr	TLV/REL					
586288	19549-80-5	4,6-dimethyl-2-heptanone	142	FINAL	19	0.1	annual	6/28/2000	AQD								
586289	19666-30-9	oxadiazon	345.2	FINAL									0.05	0.5	annual	3/20/2008	EPA
586290	20324-33-8	tripropylene glycol methyl ether, dowanol 62b	206.3	FINAL		10	annual	7/9/1997	AQD								
586291	20536-16-7	tetrachlorodisilane		FINAL		0.1	annual	11/10/1998	AQD								
586292	21324-40-3	lithium hexafluorophosphate	151.9	FINAL		0.1	annual	9/7/2010	AQD								
586293	21348-59-4	niobium oxalate		FINAL		0.1	annual	6/17/2010	AQD								
586294	22407-51-8	tetramethylchlorovinyldisiloxane		FINAL		0.1	annual	11/10/1998	AQD								
586295	22431-89-6	3,3,6,6-tetramethyl-1,2-dioxane	144	FINAL		0.1	annual	8/19/2009	AQD								
586296	23410-40-4	1,2-ethanediamine, n-(3-(dimethoxymethylsilyl)-2-methylpropyl)	220	FINAL		0.1	annual	11/10/1998	AQD								
586297	24304-00-5	aluminum nitride		FINAL		0.03	annual	2/14/1996	AQD								
586298	24510-87-0	flumethasone 5		FINAL		0.1	annual	11/10/1998	AQD								
586299	24729-96-2	clindamycin phosphate	505.02	FINAL		6	annual	2/24/1993	AQD								
586300	24801-88-5	triethoxy(3-isocyanatopropyl)silane	247.4	FINAL		0.08	annual	7/18/2018	AQD								
586301	24937-79-9	polyvinylidene fluoride		FINAL		0.1	annual	9/2/2010	AQD								
586302	24938-91-8	polyglycol 59-13		FINAL		8	annual	2/11/1994	AQD								
586303	25013-15-4	vinyl toluene	118.19	FINAL		5	annual	5/25/1993	AQD								
586304	25036-25-3	diglycidyl ether of bisphenol a		FINAL		0.1	annual	11/10/1998	AQD								
586305	25068-38-6	bisphenol a/epichlorohydrin resin		FINAL	26			2/11/1998									
586306	25085-99-8	bisphenol epoxy resin		FINAL		0.1	annual	11/10/1998	AQD								
586307	25154-52-3	nonyl phenol (mixed isomers)	220.4	FINAL		30	24 hr	7/6/2006	AQD								
586308	25168-26-7	2,4-D, isooctyl ester	333.28	FINAL		3	annual	2/11/1994	AQD								
586309	25265-77-4	texanol	216.36	FINAL		55	annual	7/14/1994	AQD								
586310	25322-68-3	polyethylene glycol		FINAL		8	annual	6/29/2007	AQD								
586311	25322-69-4	polypropylene glycol		FINAL		49	annual	10/4/2000	AQD								
586312	25340-17-4	diethylbenzene mixture	134.24	FINAL		6	annual	2/4/2004	AQD								
586313	25498-49-1	tripropylene glycol methyl ether	206.32	FINAL		20	annual	10/18/2017	AQD								
586314	25550-14-5	ethyl toluene -mixture	120.19	FINAL		0.1	annual	2/6/2001	AQD								
586315	25551-13-7	trimethylbenzenes (mixed isomers)	120.21	FINAL	14	185	annual	1/13/2017	AQD	1200	8 hr	TLV/REL					
586316	25584-83-2	hydroxypropyl acrylate	130.1	FINAL		28	8 hr	6/6/2016	TLV								
586317	25882-44-4	Butanedioic acid, sulfo-, 1-ester with N-(2-hydroxyethyl)	467.488	FINAL		0.1	annual	12/16/2016	AQD								
586318	25973-55-1	bdtp	351.49	FINAL		5.3	annual	5/6/2014	AQD								

ID	CAS Number	Chemical Name	Molecular Weight	Screening Level Review Status	AQD footnote	AQD ITSL	AQD Averaging Time	AQD Calculation Date	AQD ITSL Basis	AQD Secondary ITSL	AQD Secondary ITSL Averaging Time	AQD Secondary ITSL Basis	AQD IRSL	AQD SRSL	AQD Carcinogenicity Averaging Time	AQD Carcinogenicity Calculation Date	AQD IRSL Basis
586319	25988-97-0	dimethylamine-epichlorohydrin polymer		FINAL		0.1	annual	9/6/2000	AQD								
586320	26062-79-3	polydimethyl diallyl ammonium chloride		FINAL		1000	annual	8/30/1999	AQD								
586321	26142-30-3	diglycidyl ether of polyglycol		FINAL		0.1	annual	11/10/1998	AQD								
586322	26172-55-4	5-chloro-2-methyl-4-isothiazolin-3-one	149.6	FINAL		0.1	annual	9/1/1999	AQD								
586323	26447-40-5	1,1'-methylene bisisocyanatobenzene	250	FINAL		0.6	24 hr	2/4/1998	EPA								
586324	26471-62-5	toluene diisocyanate	174.17	FINAL	13	0.07	annual	1/13/2014	EPA	0.4	8 hr	TLV/REL				4/9/1987	
586325	26530-20-1	octylisothiazolone	213.37	FINAL		2	annual	1/22/2004	AQD								
586326	26544-20-7	mcpa 2-ehe (2-methyl-4-chlorophenoxyacetic acid 2-ethylhexyl ester)	313	FINAL		90	annual	6/8/2005	AQD								
586327	26761-40-0	diisodecyl ester phthalate	446.74	FINAL		30	annual	6/25/1994	AQD								
586328	26780-96-1	poly(1,2-dihydro-2,2,4-trimethylquinoline)		FINAL		35	24 hr	4/14/2004	AQD								
586329	26952-20-5	picloram, isooctyl ester	353.7	FINAL		0.1	annual	11/10/1998	AQD								
586330	26952-21-6	isooctanol	130.23	FINAL		2700	8 hr	7/12/2001	TLV								
586331	27078-75-7	4,6-difluoro-2-methoxypyrimidine		FINAL		0.1	annual	6/13/2003	AQD								
586332	27253-31-2	cobalt neodecanoate	401	FINAL		1.4	8 hr	9/29/1998	AQD								
586333	27274-31-3	polyethylene glycol monoallyl ether		FINAL		6	annual	12/17/1996	AQD								
586334	27619-97-2	6:2 fluorotelomer sulfonic acid	428	FINAL		1	annual	9/24/2020	AQD								
586335	27646-80-6	2-methylamino-2-methyl-1-propanol	103	FINAL		0.1	annual	10/28/2002	AQD								
586336	27668-52-6	octadecyldimethyl (3-(trimethoxysilyl)propyl) ammonium chloride	496.39	FINAL		170	annual	12/20/1994	AQD								
586337	28300-74-5	antimony potassium tartrate	324.92	FINAL		5	8 hr	4/27/1998	TLV								
586338	28476-83-7	2-butenedioic acid (z)-dibutyl ester, polymer with chloroethene		FINAL		0.1	annual	4/6/2004	AQD								
586339	28553-12-0	diisononyl phthalate	418.68	FINAL		75	annual	7/14/1995	AQD								
586340	28729-52-4	dimethylcyclopentane		FINAL		0.1	annual	11/10/1998	AQD								
586341	28729-54-6	m-propyl toluene	134.2	FINAL		0.1	annual	11/6/2003	AQD								
586342	28961-43-5	triacrylate ester		FINAL		0.1	annual	9/24/2002	AQD								
586343	28984-69-2	4,4-(5h)-oxazoledimethanol, 2-(hepadecanyl)	367	FINAL		0.1	annual	9/26/2000	AQD								
586344	29385-43-1	tolyltriazole	159.19	FINAL		2.1	annual		AQD								
586345	29387-86-8	propylene glycol, n-butyl ether (mixed isomers)	132.23	FINAL	23	77	annual	3/22/2007	AQD								
586346	29733-18-4	diisodecyl glutarate		FINAL		0.1	annual	11/10/1998	AQD								
586347	29823-21-0	ethyl-8-bromooctanoate	251.16	FINAL		0.1	annual	2/23/2017	AQD								
586348	29911-27-1	dipropylene glycol monopropyl ether	176.2	FINAL		180	annual	10/3/2017	AQD								
586349	29911-28-2	dipropylene glycol monobutyl ether	190.32	FINAL		800	24 hr	10/10/2017	AQD								
586350	30030-25-2	vinylbenzylchloride	152.6	FINAL		2	annual	3/11/2004	AQD								
586351	30705-14-7	SR 1153		FINAL		0.1	annual	11/10/1998	AQD								
586352	31138-65-5	sodium glucoheptonate	248	FINAL		0.1	annual	9/6/2000	AQD								
586353	31726-34-8	poly(oxy-1,2-ethanediyl),alpha-hexyl-omega-hydroxy	146.228	FINAL		0.1	annual	4/8/2013	AQD								
586354	34375-28-5	hydroxymethylamino ethanol	91.13	FINAL		0.1	annual	5/9/2003	AQD								
586355	34590-94-8	dipropylene glycol methyl ether	148.23	FINAL		720	annual	4/12/2006	AQD								
586356	35176-78-4	polyethylene terephthalate (uncoated)	526.5303	FINAL		0.1	annual	3/31/2011	AQD								
586357	35794-11-7	3,5-dimethylpiperidine	113	FINAL		0.1	annual	4/28/2006	AQD								
586358	35884-42-5	dowanol dpnb	190.32	FINAL		0.1	annual	6/1/1999	AQD								
586359	37251-67-5	polyethylene polypropylene glycol		FINAL		0.1	annual	11/10/1996	AQD								
586360	38436-16-7	perfluorobutylethylmethyldichlorosilane	361.1	FINAL	36	2	annual	7/1/2021	AQD								
586361	39464-66-9	lauryl alcohol, phosphated		FINAL		20	annual	3/2/2008	AQD								
586362	40758-65-4	4,6-dichloro-2-ethoxypyrimidine		FINAL		0.1	annual	6/12/2003	AQD								
586363	41556-26-7	bis(pentamethylpiperdinyl)sebacate		FINAL		0.1	annual	2/16/2001	AQD								
586364	41593-38-8	propylene glycol monophenyl ether	152	FINAL		0.1	annual	6/20/2006	AQD								
586365	42978-66-5	tripropylene glycol diacrylate	300.39	FINAL		22	annual	9/24/2002	AQD								
586366	44992-01-0	acryloyloxyethyltrimethyl ammonium chloride	193.67	FINAL		0.1	annual	8/26/1999	AQD								
586367	46438-39-5	monobutyl monophenyl phosphoric acid	226	FINAL		0.1	annual	8/31/2000	AQD								
586368	50791-87-2	methylvinylbis(N-methylace		FINAL		4	annual	11/12/1992	AQD								
586369	51200-87-4	dimethyloxazolidine	101.5	FINAL		1	annual	11/24/1999	AQD								
586370	51730-94-0	dipropylene glycol phenyl ether	210	FINAL		0.1	annual	8/31/2000	AQD								
586371	51811-38-2	tryfac 5556		FINAL		0.1	annual	11/10/1998	AQD								
586372	52125-53-8	propylene glycol monoethyl ether (mixture)	104.1	FINAL		23	annual	12/10/2002	AQD								
586373	53880-05-0	isophorone diisocyanate polymer		FINAL		0.1	annual	1/3/2006	AQD								
586374	55818-57-0	phenol, 4,4-(1-methylethylidene)bis, polymer with (chloromethyl)oxiran	392.873	FINAL		0.1	annual	12/6/2012	AQD								
586375	55934-93-5	tripropylene glycol n-butyl ether		FINAL		346	annual	12/12/2000	AQD								
586376	56076-20-1	4-chloro-2-ethoxy-6-fluoropyrimidine		FINAL		0.1	annual	10/17/2003	AQD								
586377	56539-66-3	3-methoxy-3methyl-1butanol	118.2	FINAL		13	annual	6/24/2010	AQD								
586378	56741-95-8	bropirimine	266.12	FINAL		15	annual	2/28/1994	AQD								
586379	56780-58-6	2-hydroxy-3-trimethylammoniopropyl ether starch		FINAL		0.1	annual	8/26/1999	AQD								

ID	CAS Number	Chemical Name	Molecular Weight	Screening Level Review Status	AQD footnote	AQD ITSL	AQD Averaging Time	AQD Calculation Date	AQD ITSL Basis	AQD Secondary ITSL	AQD Secondary ITSL Averaging Time	AQD Secondary ITSL Basis	AQD IRSL	AQD SRSL	AQD Carcinogenicity Averaging Time	AQD Carcinogenicity Calculation Date	AQD IRSL Basis
586380	57018-52-7	propylene glycol tert-butyl ether	132.23	FINAL									0.7	7	annual	10/11/2017	AQD
586381	60304-36-1	aluminum potassium fluoride	142	FINAL		0.2	annual	6/12/2006	AQD								
586382	60676-86-0	amorphous silica - fused silica	60.08	FINAL	28	60	8 hr	7/3/2013	NIOSH								
586383	60966-36-1	bisnoralcohol		FINAL		17	annual	10/21/1994	AQD								
586384	61477-94-9	pirmenol hydrochloride	375	FINAL		3	annual	3/7/1994	AQD								
586385	61788-93-0	coco alkyldimethyl amines		FINAL		0.1	annual	11/10/1998	AQD								
586386	61789-52-4	cobalt tallate	531.7	FINAL		6	annual	6/18/2009	AQD								
586387	61790-33-8	tallow alkylamines		FINAL		0.1	annual	11/10/1998	AQD								
586388	61790-53-2	amorphous silica - diatomaceous earth		FINAL	28	60	8 hr	7/3/2013	NIOSH								
586389	61791-12-6	ethoxylated castor oil		FINAL	26		annual	3/15/2007	AQD								
586390	61791-28-4	ethoxy, tallow alcohol		FINAL		0.1	annual	5/4/2010	AQD								
586391	63148-57-2	Dow Corning Fluid 1107		FINAL		30	annual	1/3/1989	AQD								
586392	63148-62-9	high molecular wt. silicon		FINAL		2	annual	12/8/2002	AQD								
586393	63148-65-2	polyvinyl butyral		FINAL		0.1	annual	4/28/2010	AQD								
586394	63449-39-8	chlorinated paraffins		FINAL									0.03	0.3	annual	10/28/1987	AQD
586395	63716-40-5	n-butoxy propanol (mixed isomers)	132	FINAL	23	77	annual	3/22/2007	AQD								
586396	63937-30-4	anhydro-dimethylamino hexose reductone	153.2	FINAL		0.6	annual	10/18/1994	AQD								
586397	64248-62-0	3,4-difluorobenzonitrile	139.1	FINAL		0.6	annual	10/13/2003	AQD								
586398	64265-57-2	crosslinker cx100	467	FINAL		10	annual	7/20/1998	AQD								
586399	64475-85-0	mineral spirits		FINAL	1	3500	8 hr	2/6/1995	NIOSH								
586400	64485-82-1	thiazole ester		FINAL		17	annual	10/21/1994	AQD								
586401	64741-41-9	naphtha heavy straight run		FINAL	1	3500	8 hr	1/6/1993	NIOSH								
586402	64741-42-0	naphtha, full range straight run	99	FINAL		18	annual	7/20/1999	AQD								
586403	64741-44-2	straight run middle distillate		FINAL		36	annual	11/21/2000	AQD								
586404	64741-54-4	naphtha, heavy catalytic cracked	99	FINAL		115	annual	6/11/1999	AQD								
586405	64741-55-5	naphtha (petroleum), light catalytic cracked		FINAL	25	5600	annual	2/7/2017	AQD								
586406	64741-56-6	residues, (petroleum), vacuum		FINAL		16	annual	10/6/2003	AQD								
586407	64741-59-9	distillates, (petroleum), light catalytic cracked		FINAL	24	93	annual	10/7/2003	AQD								
586408	64741-62-4	clarified oils (petroleum), catalytic cracked		FINAL		12	annual	2/3/2004	AQD								
586409	64741-63-5	naphtha, light catalytic reformed	99	FINAL		100	annual	7/20/1999	AQD								
586410	64741-64-6	naphtha, full range alkylate	99	FINAL	1	3500	8 hr	7/20/1999	NIOSH								
586411	64741-65-7	heavy alkylate naphtha		FINAL	1	3500	8 hr	6/1/1999	NIOSH								
586412	64741-66-8	light alkylate naphtha	114	FINAL		138	annual	2/4/2000	AQD								
586413	64741-68-0	heavy catalytic reformed naphtha		FINAL		70	annual	1/10/2002	AQD								
586414	64741-79-3	petroleum coke		FINAL	26			2/18/2014	NAAQS								
586415	64741-81-7	distillates (petroleum), heavy thermal cracked		FINAL		15	annual	6/26/2007	AQD								
586416	64741-82-8	distillates (petroleum), light thermal cracked		FINAL	24	93	annual	6/15/2007	AQD								
586417	64741-83-9	naphtha, heavy thermal cracked		FINAL	25	5600	annual	7/25/2007	AQD								
586418	64741-86-2	sweetened middle distillate		FINAL	1	2	annual	6/13/1994	AQD/SAP								
586419	64741-88-4	solvent refined heavy paraffnic distillate		FINAL	11	50	8 hr	12/3/1997	TLV								
586420	64741-89-5	distillates (petroleum) solvent-refined light paraffinic		FINAL	11	50	8 hr	12/2/1999	TLV								
586421	64742-06-9	extracts (petroleum), middle distillate solvent		FINAL		2	annual	3/31/2004	AQD								
586422	64742-14-9	petroleum distillates, acid treated	170	FINAL	44	200	annual	11/22/2021	AQD	2000	8 hr	TLV/REL					
586423	64742-30-9	distillates (petroleum), chemically neutralized middle		FINAL	1	2	annual	7/5/2000	AQD								
586424	64742-31-0	chemically neutralized light distillates	170	FINAL	44	200	annual	11/22/2021	AQD	2000	8 hr	TLV/REL					
586425	64742-46-7	hydrotreated middle distillate		FINAL	11	50	8 hr	6/30/2012	NIOSH								
586426	64742-47-8	hydrotreated light distillate	170	FINAL	44	200	annual	11/22/2021	AQD	2000	8 hr	TLV/REL					
586427	64742-48-9	hydrotreated heavy napht		FINAL	1	3500	8 hr	1/6/1993	NIOSH								
586428	64742-49-0	hydrotreated light naphtha		FINAL	1	3500	8 hr	2/23/2005	NIOSH								
586429	64742-52-5	hydrotreated heavy naphthenic distillate		FINAL	11	50	8 hr	6/4/2007	TLV								
586430	64742-53-6	hydrotreated light naphthenic distillate		FINAL	11	50	8 hr	6/4/2007	TLV								
586431	64742-54-7	hydrotreated heavy paraffinic mineral oil		FINAL	11	50	8 hr	3/24/1998	TLV								
586432	64742-55-8	hydrotreated light paraffinic distillate		FINAL	11	50	8 hr	7/8/1993	TLV								
586433	64742-62-7	residual oils (petroleum) solvent-dewaxed		FINAL	11	50	8 hr	8/15/2000	TLV								
586434	64742-65-0	dewaxed heavy paraffinic mineral oil		FINAL	11	50	8 hr	3/24/1998	TLV								
586435	64742-80-9	hydrodesulfurized middle distillate		FINAL		2	annual	5/10/1994	AQD/SAP								
586436	64742-81-0	hydrodesulfurized kerosene	170	FINAL	44	200	annual	11/22/2021	AQD	2000	8 hr	TLV/REL					
586437	64742-82-1	naphtha (petroleum) hydrodesulfurized heavy	141	FINAL		14	annual	5/16/2001	AQD								
586438	64742-88-7	solvent naphtha medium aliphatic		FINAL	1	3500	8 hr	1/6/1993	NIOSH								
586439	64742-89-8	solvent naphtha light aliphatic		FINAL	1	3500	8 hr	1/6/1993	NIOSH								
586440	64742-94-5	heavy aromatic solvent naphtha		FINAL	1	70	annual	6/13/1994	AQD/SAP								

ID	CAS Number	Chemical Name	Molecular Weight	Screening Level Review Status	AQD footnote	AQD ITSL	AQD Averaging Time	AQD Calculation Date	AQD ITSL Basis	AQD Secondary ITSL	AQD Secondary ITSL Averaging Time	AQD Secondary ITSL Basis	AQD IRSL	AQD SRSL	AQD Carcinogenicity Averaging Time	AQD Carcinogenicity Calculation Date	AQD IRSL Basis
586441	64742-95-6	light aromatic solvent naphtha (petroleum)		FINAL	1	100	annual	6/16/2015	EPA								
586442	64742-96-7	solvent naphtha (petroleum) heavy aliphatic	170	FINAL	44	200	annual	11/22/2021	AQD	2000	8 hr	TLV/REL					
586443	64771-72-8	norpar 12		FINAL		0.1	annual	11/10/1998	AQD								
586444	65402-65-5	4-hydroxytetramethyl piperadine free radical (4-oh-tempo)		FINAL		4	annual	10/21/1994	AQD								
586445	66071-86-1	LV 837/821		FINAL		0.1	annual	11/10/1998	AQD								
586446	67701-10-4	sodium soap 903923		FINAL		6	annual	2/9/1998	AQD								
586447	67701-11-5	sodium soap 900602		FINAL		6	annual	2/8/1998	AQD								
586448	67762-41-8	linear primary alcohol		FINAL		0.1	annual	6/1/1999	AQD								
586449	67762-90-7	siloxanes and silicones(silica filled polydimethylsiloxane)		FINAL		0.1	annual	8/7/2001	AQD								
586450	67784-80-9	soybean oil, methyl esters	292	FINAL		16	annual	9/15/2014	AQD								
586451	67812-17-3	3-trimethoxysilyl propylmethyl methylphosphonate		FINAL		0.1	annual	11/10/1998	AQD								
586452	68002-20-0	1,2,3-triazine-2,4,6-triamine polymer with methylated formaldehyde		FINAL		0.1	annual	12/14/1998	AQD								
586453	68003-28-1	polyamide		FINAL		0.1	annual	11/10/1998	AQD								
586454	68037-58-1	high molecular wt. silicon		FINAL		0.1	annual	7/16/2001	AQD								
586455	68037-76-3	alphamethylstyrene(dodecyl)polysiloxane		FINAL		0.1	annual	11/10/1998	AQD								
586456	68037-77-4	ethylmethylsiloxane, 2-phenylpropylmethylsiloxane copolymer	120.29778	FINAL		0.1	annual	2/21/2013	AQD								
586457	68037-88-7	high molecular weight sili		FINAL		0.1	annual	7/16/2001	AQD								
586458	68071-85-2	Spenkel F34		FINAL		0.1	annual	11/10/1998	AQD								
586459	68083-19-2	high molecular wt. silicon		FINAL		0.1	annual	11/10/1998	AQD								
586460	68083-20-5	linear methylvinylsiloxane ppolymer hydroxl endblock		FINAL		0.1	annual	11/10/1998	AQD								
586461	68083-40-9	2-hydroxy-4(2'-hydroxy-3'octoxypropoxy)-benzophenone		FINAL		0.1	annual	11/10/1998	AQD								
586462	68092-49-9	2-hydroxy-4(2'-hydroxy-3'dacyloxypropoxy)-benzophenone		FINAL		0.1	annual	11/10/1998	AQD								
586463	68131-40-8	tergitol 15-s-3		FINAL		290	annual	6/23/2000	AQD								
586464	68132-02-5	coumarone indene resin		FINAL		0.1	annual	2/6/2001	AQD								
586465	68309-52-4	Nylen 5		FINAL		0.1	annual	11/10/1998	AQD								
586466	68334-30-5	diesel fuel		FINAL		70	annual	11/21/2000	AQD								
586467	68390-56-7	diketene hydrogenated fatty acids		FINAL		0.1	annual	8/26/1999	AQD								
586468	68410-00-4	distillates (petroleum), crude oil		FINAL		19	annual	10/15/2003	AQD								
586469	68410-23-1	polyethylenepolyamine reaction products with c18-unsat. fatty acids		FINAL		0.1	annual	5/12/2009	AQD								
586470	68410-97-9	high benzene naphtha hydrotreated c6-c8 fraction		FINAL		30	annual	11/26/2013	AQD	30	24 hr	AQD	0.1	1	annual	11/26/2013	AQD
586471	68410-99-1	paroil 45		FINAL									0.03	0.3	annual	6/22/2011	AQD
586472	68439-49-6	ethoxylated c16-18 alcohols	1800	FINAL		4	annual	6/23/2011	AQD								
586473	68458-91-3	Solvar & LV 820		FINAL		0.1	annual	11/10/1998	AQD								
586474	68459-31-4	fatty acids c9-11 branched glycidyl esters polymer		FINAL		0.1	annual	8/31/2000	AQD								
586475	68477-31-6	aromatic petroleum derivative solvent		FINAL		13	annual	11/17/1992	AQD								
586476	68515-40-2	alkyl benzyl phthalate		FINAL		0.1	annual	11/10/1998	AQD								
586477	68515-44-6	branched and linear diheptyl phthalate ester		FINAL		0.1	annual	11/17/2006	AQD								
586478	68516-16-5	sulfuric acid c6-10 alkyl esters		FINAL		0.1	annual	8/31/2000	AQD								
586479	68526-86-3	tridecanol	200.3	FINAL		2	annual	8/3/1999	AQD								
586480	68551-17-7	heavy naphtha		FINAL	1	3500	8 hr	2/4/1998	NIOSH								
586481	68575-36-0	3,5-dichloro-a-methyl st		FINAL		16	annual	8/26/1987	AQD								
586482	68608-26-4	sodium petroleum sulfonate		FINAL		0.1	annual	11/10/1998	AQD								
586483	68610-11-7	diethylenetriamine reaction product with bisphenol a		FINAL		0.1	annual	5/12/2009	AQD								
586484	68783-24-4	di-tallow alkylamines		FINAL		0.1	annual	11/10/1998	AQD								
586485	68918-22-9	high molecular wt. silicon		FINAL		0.1	annual	7/6/2001	AQD								
586486	68955-35-1	naphtha, catalytic reformed	99	FINAL		350	annual	6/11/1999	AQD								
586487	68956-56-9	hydrocarbons, terpene processing by-products		FINAL		0.1	annual	6/1/1999	AQD								
586488	68987-42-8	ethylenated benzene residues		FINAL		6	annual	12/1/2003	AQD								
586489	68990-79-4	oils, vegetable, mixed with animal oil methylesters, polymerized, oxidized		FINAL		0.1	annual	11/10/1998	AQD								
586490	69012-64-2	amorphous silica - silica fume		FINAL	28	60	8 hr	7/3/2013	NIOSH								
586491	69013-18-9	alcohols c8-18 ethoxylated propoxylated		FINAL		0.1	annual	5/25/2007	AQD								
586492	69029-39-6	polyglycol 26-2		FINAL		0.1	annual	11/10/1998	AQD								
586493	69102-90-5	butadiene homopolymer		FINAL		0.1	annual	11/10/1998	AQD								
586494	69430-24-6	high molecular wt. silicon		FINAL		30	annual	8/27/2001	AQD								
586495	69696-98-6	hexane 1,6-bis(tributyl ammonium bromi		FINAL		0.1	annual	11/10/1998	AQD								
586496	69991-67-9	fomblin perfluorpolyether		FINAL		0.1	annual	11/10/1998	AQD								
586497	70131-67-8	high molecular wt. silicon		FINAL		0.1	annual	8/21/2001	AQD								
586498	70657-70-4	2-methoxy-1-propanol acetate	132.1	FINAL		500	24 hr	9/10/2002	AQD								
586499	70693-62-8	Pentapotassium bis(peroxymonosulphate) bis(sulphate)		FINAL		35	8 hr	10/3/2018	AQD								
586500	70914-20-4	c6-8 branched alcohols	116	FINAL		13	annual	10/24/2003	AQD								
586501	71888-89-6	diisoheptyl phthalate		FINAL		100	24 hr	2/23/2007	AQD								

ID	CAS Number	Chemical Name	Molecular Weight	Screening Level Review Status	AQD footnote	AQD ITSL	AQD Averaging Time	AQD Calculation Date	AQD ITSL Basis	AQD Secondary ITSL	AQD Secondary ITSL Averaging Time	AQD Secondary ITSL Basis	AQD IRSL	AQD SRSL	AQD Carcinogenicity Averaging Time	AQD Carcinogenicity Calculation Date	AQD IRSL Basis
586502	71945-54-5	3-(1,1-dimethylethoxy)-heptane		FINAL		6	annual	9/14/2004	AQD								
586503	75782-86-4	alcohols c12-13		FINAL		31	annual	2/13/2001	AQD								
586504	77820-58-7	2-amino-3-chlorobenzoic acid methyl ester		FINAL		7	annual	9/29/2003	AQD								
586505	78330-21-9	c11-c14 isoalcohols, c14 rich, ethoxylated alcohol		FINAL		8	annual	9/6/2000	AQD								
586506	82586-54-7	quinapril step 8		FINAL		2	annual	8/10/1994	AQD								
586507	82919-37-7	methyl pentamethyl-4-piperidinyl ester of decanedioic acid		FINAL		0.1	annual	1/29/2001	AQD								
586508	84632-65-5	pyrrolo[3,4-c]pyrrole-1,4-dione,3,6-bis(4-chlorophenyl)-2,5-dihydro		FINAL		0.1	annual	6/28/2000	AQD								
586509	86753-78-8	Solsperse 5000		FINAL		0.1	annual	11/10/1998	AQD								
586510	88230-35-7	oxo-hexyl acetate		FINAL		81	annual	7/9/1987	AQD								
586511	88851-61-0	trospectomycin sulfate		FINAL		0.1	annual	11/10/1998	AQD								
586512	88917-22-0	dipropylene glycol methyl ether acetate	190	FINAL		930	annual	4/12/2006	AQD								
586513	90438-79-2	oxo-heptyl acetate		FINAL		41	annual	5/22/1989	AQD								
586514	90622-57-4	isopar h		FINAL		128	annual	4/27/1994	AQD								
586515	95481-62-2	dibasic ester		FINAL	27	1	annual	8/1/2012	AQD								
586516	97658-80-5	5-bp-bisenamine		FINAL		10	annual	10/21/1994	AQD								
586517	98516-30-4	propanol, 1(or 2) ethoxy, acetate isoparaffinic petroleum hydrocarbon		FINAL		0.1	annual	6/28/2000	AQD								
586518	98967-40-9	flumetsulam		FINAL		26	annual	10/11/1994	AQD								
586519	98967-55-6	n-(2,6-difluorophenyl)-7-methyl-1h-1,2,4-triazolo(1,5a)pyrimidine-2-su		FINAL		0.1	annual	6/12/2003	AQD								
586520	102054-10-4	bis(2-methoxy-1-methylethy		FINAL		6	annual	10/8/1992	AQD								
586521	103335-54-2	4-aza acid		FINAL		17	annual	10/21/1994	AQD								
586522	103429-90-9	3-methoxy-3methyl-1butyl acetate	160.2	FINAL		0.1	annual	1/4/2012	AQD								
586523	103980-44-5	ceftiofur hydrochloride		FINAL		166	annual	8/31/1993	AQD								
586524	106917-31-1	sanduvor 3068 liquid		FINAL		52	annual	5/18/2001	AQD								
586525	108419-32-5	octyl acetate	172.27	FINAL		78	annual	1/15/2017	AQD								
586526	108419-33-6	exxate 900		FINAL		17	annual	11/21/2001	AQD								
586527	108419-34-7	exxate 1000		FINAL		17	annual	12/4/2000	AQD								
586528	108419-35-8	c11-14 branched alkyl acetates	242	FINAL		300	annual	4/22/2009	AQD								
586529	109265-71-6	Solsperse 12000		FINAL		0.1	annual	11/10/1998	AQD								
586530	110839-13-9	1,3-benzenedimethanamine polymer with 2,2'-((1-methylethylidene) bis(4		FINAL		0.1	annual	5/12/2009	AQD								
586531	110888-15-8	4-chloro-3-fluorobenzonitrile		FINAL		0.1	annual	1/27/2004	AQD								
586532	111109-77-4	dipropylene glycol dimethyl ether		FINAL		59	annual	4/3/1998	AQD								
586533	111381-89-6	branched and linear heptyl nonyl phthalate ester		FINAL		0.1	annual	11/17/2006	AQD								
586534	112926-00-8	amorphous silica - precipitated silica and silica gel		FINAL	28	60	8 hr	7/3/2013	NIOSH								
586535	112945-52-5	amorphous silica - pyrogenic or fumed silica	60.09	FINAL	28	60	8 hr	7/3/2013	NIOSH								
586536	113171-12-3	n-(2,6-difluorophenyl)-5-amino-1h-1,2,4-triazole-3-sulfonamide		FINAL		0.1	annual	6/12/2003	AQD								
586537	117482-84-5	3-chloro-4-fluorobenzonitrile	155.6	FINAL		2	annual	9/29/2003	AQD								
586538	123312-54-9	distearyldimethylammonium bisulfate		FINAL		0.1	annual	7/16/2001	AQD								
586539	123333-53-9	1-hydroxy benzotriazole		FINAL		0.1	annual	11/10/1998	AQD								
586540	126803-73-4	n-(2,6-dichloro-3-methylphenyl)-5,7-dimethyoxy(1,2,4)triazo...[de-511]		FINAL		0.1	annual	11/10/1998	AQD								
586541	129879-84-1	5-amino-1,2,4-triazole-3-sulfonyl chloride		FINAL		7	annual	9/29/2003	AQD								
586542	130014-38-9	trifluoropropylsilsesquioxane, dimethylhydrogensilyoxy-terminated		FINAL		0.1	annual	11/10/1998	AQD								
586543	136797-56-3	FC-247		FINAL													
586544	136816-75-6	atevirdane mesylate		FINAL		16	annual	2/28/1994	AQD								
586545	139147-73-2	dicyclopentyldichlorosilane		FINAL		0.1	annual	11/10/1998	AQD								
586546	144669-03-4	hexenylsiloxane		FINAL		16	annual	2/15/1994	AQD								
586547	144669-04-5	hexenylsiloxanes		FINAL		16	annual	2/15/1994	AQD								
586548	166524-65-8	2-ethoxy-4,6-difluoropyrimidine		FINAL		20	annual	9/29/2003	AQD								
586549	166524-75-0	2,2'-dithiobis(5-ethoxy-7-fluoro[1,2,4]triazolo(1,5-c)pyrimidine		FINAL		0.8	annual	12/1/2003	AQD								
586550	170557-43-4	dowanol tmh-deg borate ester		FINAL		32	annual	12/17/1996	AQD								