UTAH STATE DEPARTMENT OF ENVIRONMENTAL QUALITY
DIVISION OF AIR QUALITY
PM 10 SIP
Winter of 88/89 Emissions Inventory

Site: Utah County
Period: Highest Days 1988/89
Date: 6/18/02

(1) Area Source Emissions: In Tons per Day (for January 1989)

Vehicular	PM 10	SO2	NOx	Total
Unleaded	0.143	0.294	7.245	7.7
Leaded	0.234	0.473	11.721	12.4
Diesel	0.023	0.043	0.913	1.0
Road Dust - baseline	3.010	0.0	0.0	3.0
Road Salting	0.3	0.0	0.0	0.3
Break Wear	0.0	0.0	0.0	0.0
Subtotal:	3.71	0.81	19.88	24.40
Area Sources:				
Wood Burning	2.70	0.04	0.22	2.96
Coal Burning	0.05	0.07	0.07	0.19
Natural Gas	0.24	0.02	3.00	3.26
Oil, LPG, and Other	0.02	0.18	0.08	0.28
planes, trains, & off-rd.	0.06	0.08	1.13	1.27
Subtotal:	3.07	0.39	4.50	7.96

Composite Automobile Profile Breakout:

Fuel Type	Conditions	% in Profile
Leaded	cold start	5.5
Leaded	hot, normal	25.3
Unleaded	cold start	3.4
Unleaded	hot, normal	15.6
Diesel	cold start	9.0
Diesel	hot, normal	41.2
Total		100.0

(2) Point Source Inventory:

Company Name	PM 10	SO2	NOx	Total
BYU	0.3600	1.7500	1.0500	3.1600
Consolidated Red Mix	0.0400	0.0090	0.0820	0.1310
General Refractories	0.3578	0.2503	0.6350	1.2431
Geneva Rock	0.0250	0.0101	0.0965	0.1316
Heckett	0.5128	0.0178	0.1811	0.7117
Geneva Nitrogen (LaRoche)	0.2800	0.0000	3.2080	3.4880
Lehi Cogen	0.0000	0.0000	0.0000	0.0000
Pacific States Cast Iron Pipe	0.0850	0.0452	0.1299	0.2601
Provo City Power	0.0093	0.0025	0.2540	0.2658
Reilly Tar	0.0016	0.0001	0.0202	0.0219
Springville City Power	0.0009	0.0023	0.1720	0.1752
UP&L, Hale	0.0000	0.0000	0.0000	0.0000
Westroc, Highland	0.0000	0.0000	0.0000	0.0000
Westroc, Pleasant Grove	0.0138	0.0022	0.0227	0.0387
Geneva Other	0.8655	0.0000	0.0000	0.8655
Subtotal:	2.5517	2.0895	5.8514	10.4926
Geneva Steel Processes:				
Coke Plant	2.0107	21.5973		23.6079
Open Hearth (Q-BOP)	0.6932			0.6932
Blast Furnace	0.9447			0.9447
Sinter Plant	0.3781			0.3781
Secondary Sulfate		3.1616		3.1616
Secondary Nitrate			12.5945	12.5945
Geneva Subtotal:	4.0266	24.7589	12.5945	41.3800
				42.2455
Point Source Total:	6.5783	26.8484	18.4459	51.8726

Conversion Factor... annual to monthly found in this collumn

Annual Inventory for 1988
In Tons per Year

		PM 10	SO2	NOx	Total
	365	316			
Coke Plant	365	734	7,883		8,617
Open Hearth (Q-BOP)	365	253			253
Blast Furnace	365	345			345
Sinter Plant	365	138			138
Secondary Sulfate	365		1,154		1,154
Secondary Nitrate	365			4,597	4,597
Geneva Subtotal:		1,470	9,037	4,597	15,104

(3) Grand Totals (all sources): 13.3583 28.0484 42.8259 84.2326

(4) Percent Breakout:

	PM 10	SO2	NOx	Total
Vehicular	27.8%	2.9%	46.4%	29.0%
Area Sources	23.0%	1.4%	10.5%	9.5%
Geneva Steel	36.6%	88.3%	29.4%	50.2%
Other Point Sources	12.6%	7.4%	13.7%	11.4%
Sum	100.0%	100.0%	100.0%	100.0%

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UTAH STATE DEPARTMENT OF ENVIRONMENTAL QUALITY
DIVISION OF AIR QUALITY
PM10 SIP
Control Strategy Worksheet

Site:	**Utah County**	**Note: Any name changes to industrial sources since 1989 are reflected here**
Period:	Highest Days 1988/89	**on this page, but not in the baseline (Winter 88/89) inventory on the previous page**
Date:	6/18/02	
Projection:	2003	**Inventory Data to Demonstrate Control**

	Post - SIP Allowable Inventory In Tons per Day				**Baseline Inventory for 1989 In Tons per Day**			
	PM10	**SO2**	**NOx**	**Total**	**PM10**	**SO2**	**NOx**	**Total**
BYU	0.0434	0.0019	1.0386	1.0840	0.3600	1.7500	1.0500	3.1600
Fifteen Fifty Associates	0.0345	0.0071	0.0671	0.1088	0.0400	0.0090	0.0820	0.1310
Utah Refractories	0.1564	0.0778	0.3689	0.6030	0.3578	0.2503	0.6350	1.2431
Geneva Rock	0.6035	0.5181	0.7365	1.8581	0.0250	0.0101	0.0965	0.1316
Heckett	0.3733	0.0162	0.1679	0.5574	0.5128	0.0178	0.1811	0.7117
Geneva Nitrogen (LaRoch	0.3154	0.0000	0.6475	0.9629	0.2800	0.0000	3.2080	3.4880
Lehi Cogen	0.0053	0.0176	0.8123	0.8352	0.0000	0.0000	0.0000	0.0000
Pacific States Cast Iron Pip	0.1582	0.0604	0.2953	0.5139	0.0850	0.0452	0.1299	0.2601
Provo City Power	0.0837	0.0182	2.4480	2.5499	0.0093	0.0025	0.2540	0.2658
Reilly Industries	0.0333	0.6300	0.3360	0.9993	0.0016	0.0001	0.0202	0.0219
Springville City Power	0.0209	0.0497	1.6875	1.7581	0.0009	0.0023	0.1720	0.1752
Pacificorp, Hale	0.0326	0.0038	2.1570	2.1934	0.0000	0.0000	0.0000	0.0000
Westroc, Highland	0.1757	0.0080	0.0844	0.2681	0.0000	0.0000	0.0000	0.0000
Westroc, Pleasent Grove	0.0564	0.0134	0.1321	0.2019	0.0138	0.0022	0.0227	0.0387
Geneva Other	1.1507			1.1507	0.8655	0.0000	0.0000	0.8655
Subtotal:	3.2432	1.4225	10.9790	15.6447	2.5517	2.0895	5.8514	10.4926
Geneva Steel Processes:								
Coke Gas Combustion	1.3463	1.2463		2.5926	2.0107	21.5973	0.0000	23.6079
Open Hearth (Q-BOP)	0.5627			0.5627	0.6932	0.0000	0.0000	0.6932
Blast Furnace	1.4616			1.4616	0.9447	0.0000	0.0000	0.9447
Sinter Plant	0.2767			0.2767	0.3781	0.0000	0.0000	0.3781
Secondary Sulfate		2.7244		2.7244	0.0000	3.1616	0.0000	3.1616
Secondary Nitrate			11.6005	11.6005	0.0000	0.0000	12.5945	12.5945
Geneva Subtotal:	3.6473	3.9707	11.6005	19.2186	4.0266	24.7589	12.5945	41.3800
				20.3693				42.2455
Area Sources:								
Wood Burning	3.87	0.06	0.32	4.25	2.70	0.04	0.22	2.96
Coal Burning	0.07	0.10	0.10	0.27	0.05	0.07	0.07	0.19
Natural Gas	0.34	0.02	4.31	4.67	0.24	0.02	3.00	3.26
Oil, LPG, and Other	0.02	0.26	0.12	0.40	0.02	0.18	0.08	0.28
planes, trains, & off-rd.	0.08	0.08	1.07	1.23	0.06	0.08	1.13	1.27
Subtotal:	4.38	0.52	5.92	10.82	3.07	0.39	4.50	7.96
Mobile Sources:								
Tailpipe PM10	0.34			0.34	0.40			0.40
Tire Wear	0.08			0.08	0.04			0.04
Re-entrained Road Dust	6.15			6.15	3.27			3.27
SO2		0.93		0.93		0.81		0.81
NOx			20.35	20.35			19.88	19.88
Subtotal:	6.57	0.93	20.35	27.85	3.71	0.81	19.88	24.40

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