

Koppers Inc

General Information

ID	Branch	SIC	County	Basin	Start	End
876	Energy and Transportation	2491	Grenada	Yazoo River	11/09/1981	

Address

Physical Address (Primary)	Mailing Address
1 Koppers Drive Tie Plant, MS 38960	PO Box 160 Tie Plant, MS 38960

Telecommunications

Type	Address or Phone
Work phone number	(662) 226-4584, Ext. 11

Alternate / Historic AI Identifiers

Alt ID	Alt Name	Alt Type	Start Date	End Date
2804300012	Koppers Industries, Inc.	Air-AIRS AFS	10/12/2000	
096000012	Koppers Industries, Inc.	Air-Title V Fee Customer	03/11/1997	
096000012	Koppers Industries, Inc.	Air-Title V Operating	03/11/1997	03/01/2002
096000012	Koppers Industries, Inc.	Air-Title V Operating	01/13/2004	01/01/2009
MSR220005	Koppers Industries, Inc.	GP-Wood Treating	09/25/1992	
MSD007027543	Koppers Industries, Inc.	Hazardous Waste-EPA ID	08/27/1999	
HW8854301	Koppers Industries, Inc.	Hazardous Waste-TSD	06/28/1988	06/28/1998
HW8854301	Koppers Industries, Inc.	Hazardous Waste-TSD	11/10/1999	09/30/2009
876	Koppers Industries, Inc.	Historic Site Name	11/09/1981	12/11/2006
876	Koppers, Inc.	Official Site Name	12/11/2006	
MSP090300	Koppers Industries, Inc.	Water-Pretreatment	11/14/1995	11/13/2000
MSP090300	Koppers Industries, Inc.	Water-Pretreatment	09/18/2001	08/31/2006
MSU081080	Koppers Industries, Inc.	Water-SOP	11/09/1981	11/30/1985

Regulatory Programs

Program	SubProgram	Start Date	End Date
Air	Title V - major	06/01/1900	
Hazardous Waste	Large Quantity Generator	08/27/1999	
Hazardous Waste	TSD - Not Classified	06/28/1988	
Water	Baseline Stormwater	01/01/1900	
Water	PT CIU	11/14/1995	
	PT CIU - Timber Products		

Water	Processing (Subpart 429)	11/14/1995	
Water	PT SIU	11/14/1995	

Locational Data

Latitude	Longitude	Metadata	S / T / R	Map Links
33 ° 44 ' 3 .00 (033.734167)	89 ° 47 ' 8 .06 (089.785572)	Point Desc: PG- Plant Entrance (General). Data collected by Mike Hardy on 11/8/2005. Elevation 223 feet. Just inside entrance gate. Method: GPS Code (Psuedo Range) Standard Position (SA Off) Datum: NAD83 Type: MDEQ	Section: Township: Range:	SWIMS TerraServer Map It

12/20/2006 12:16:40 PM

***PARTICULATE AND VISIBLE EMISSIONS TEST
WOOD WASTE BOILER***

***KOPPERS INDUSTRIES
FACILITY NO. 0960-00012***

***Grenada, Mississippi
December 15, 1998***

Koppers Industries
P.O. Box 160
Tie Plant, MS 38960

ph: 601/226-4584

Koppers Industries
436 Seventh avenue
Pittsburgh, PA 15219-1800

ph: 412/227-2248

Performed by:

ENVIRONMENTAL MONITORING LABORATORIES, INC.

624 Ridgewood Road
P.O. Box 655
Ridgeland, Mississippi 39158

Phone: (601)856-3092

Fax: (601)853-2151

Order #	Date	Sulfur WT%	GAL
wg12051	1\5\96	0.23	7557
wg11048	1\5\96	0.23	7555
wg11046	1\5\96	0.23	7558
wg11045	1\6\96	0.23	7564
wg12053	1\6\96	0.23	7573
wg12054	1\8\96	0.23	7571
wg12064	1\15\96	0.23	7548
wg12063	1\15\96	0.23	7554
wg12066	1\16\96	0.23	7546
wg12059	1\18\96	0.23	7570
wg12090	1\24\96	0.23	7553
wg12083	1\24\96	0.23	7454
wg12511	3\18\96	0.29	7507
wg12475	3\18\96	0.29	7505
wg12507	3\19\96	0.29	7539
wg12505	3\19\96	0.29	7549
wg12479	3\19\96	0.29	7552
wg12516	3\20\96	0.29	7526
wg12530	3\25\96	0.29	7526
wg12534	3\26\96	0.29	7528

Avg. Wt% = 0.254

Total gallons = 150835

Total gallons used in boiler = 11440

Koppers Industries
Tie Plant Road
Daily Summary
Hourly Avg.

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FROM 01/01/96 00:00 TO 04/01/96 23:59

Date/ Time	Opacity %	Cell 1 F	Cell 2 F	
01-01-96 00:00	0.0	232	256	<i>Process Down</i>
01-01-96 01:00	0.0	231	255	
01-01-96 02:00	0.0	229	253	
01-01-96 03:00	0.0	228	252	
01-01-96 04:00	0.0	226	251	
01-01-96 05:00	0.0	225	249	
01-01-96 06:00	0.8	224	248	
01-01-96 07:00	0.0	222	247	
01-01-96 08:00	0.0	221	246	
01-01-96 09:00	0.0	220	245	
01-01-96 10:00	0.0	219	244	
01-01-96 11:00	0.0	217	243	
01-01-96 12:00	0.0	216	241	
01-01-96 13:00	0.0	216	240	
01-01-96 14:00	0.0	214	239	
01-01-96 15:00	0.0	212	237	
01-01-96 16:00	0.0	212	237	
01-01-96 17:00	0.0	211	236	
01-01-96 18:00	0.0	210	235	
01-01-96 19:00	0.0	208	233	
01-01-96 20:00	0.0	208	232	
01-01-96 21:00	0.0	206	232	
01-01-96 22:00	0.0	206	231	
01-01-96 23:00	0.0	205	230	
01-02-96 00:00	0.0	204	230	
01-02-96 01:00	0.0	204	229	<i>Process Up</i>
01-02-96 02:00	0.0	203	229	
01-02-96 03:00	0.0	202	228	
01-02-96 04:00	0.0	201	227	
01-02-96 05:00	16.7	554	653	
01-02-96 06:00	5.4	1351	1454	
01-02-96 07:00	3.6	1410	1500	
01-02-96 08:00	3.7	1347	1500	
01-02-96 09:00	9.3	1399	1530	
01-02-96 10:00	2.0	1745	1501	
01-02-96 11:00	1.9	1677	1572	
01-02-96 12:00	1.9	1504	1482	
01-02-96 13:00	2.4	1256	1316	
01-02-96 14:00	3.2	1257	1321	
01-02-96 15:00	4.7	1407	1474	
01-02-96 16:00	4.4	1366	1435	
01-02-96 17:00	4.2	1444	1527	
01-02-96 18:00	3.7	1409	1482	
01-02-96 19:00	3.4	1453	1469	
01-02-96 20:00	3.4	1434	1456	

Koppers Industries
Tie Plant Road
Daily Summary

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FROM 01/01/96 00:00 TO 04/01/96 23:59

Date/ Time	Opacity %	Cell 1 F	Cell 2 F
01-02-96 21:00	3.9	1413	1432
01-02-96 22:00	4.5	1348	1423
01-02-96 23:00	4.7	1349	1413
01-03-96 00:00	4.7	1352	1418
01-03-96 01:00	4.7	1322	1398
01-03-96 02:00	4.3	1366	1431
01-03-96 03:00	4.4	1436	1499
01-03-96 04:00	4.1	1456	1498
01-03-96 05:00	5.3	1320	1415
01-03-96 06:00	9.1	1476	1462
01-03-96 07:00	6.7	1433	1571
01-03-96 08:00	5.9	1450	1591
01-03-96 09:00	6.2	1490	1586
01-03-96 10:00	6.6	1455	1551
01-03-96 11:00	6.5	1508	1584
01-03-96 12:00	5.9	1652	1649
01-03-96 13:00	6.0	1603	1676
01-03-96 14:00	5.8	1584	1702
01-03-96 15:00	5.8	1421	1530
01-03-96 16:00	5.1	1387	1496
01-03-96 17:00	4.7	1420	1510
01-03-96 18:00	5.9	1506	1409
01-03-96 19:00	5.2	1418	1518
01-03-96 20:00	5.4	1379	1459
01-03-96 21:00	5.4	1388	1453
01-03-96 22:00	6.0	1536	1601
01-03-96 23:00	6.2	1582	1729
01-04-96 00:00	6.4	1579	1752
01-04-96 01:00	6.3	1506	1678
01-04-96 02:00	5.5	1397	1544
01-04-96 03:00	5.9	1426	1572
01-04-96 04:00	5.9	1501	1672
01-04-96 05:00	7.1	1446	1493
01-04-96 06:00	10.1	1268	1420
01-04-96 07:00	7.5	1426	1603
01-04-96 08:00	7.1	1413	1593
01-04-96 09:00	7.6	1484	1697
01-04-96 10:00	6.8	1371	1558
01-04-96 11:00	6.8	1353	1512
01-04-96 12:00	6.2	1397	1531
01-04-96 13:00	4.6	1195	1299
01-04-96 14:00	6.1	1310	1442
01-04-96 15:00	4.2	1132	1209
01-04-96 16:00	4.9	1216	1303
01-04-96 17:00	5.4	1206	1302



Koppers Industries
Tie Plant Road
Daily Summary

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FROM 01/01/96 00:00 TO 04/01/96 23:59

Date/ Time	Opacity %	Cell 1 F	Cell 2 F
01-04-96 18:00	6.1	1371	1506
01-04-96 19:00	5.2	1238	1325
01-04-96 20:00	4.8	1308	1407
01-04-96 21:00	5.4	1266	1362
01-04-96 22:00	5.6	1306	1420
01-04-96 23:00	4.3	1173	1258
01-05-96 00:00	5.7	1164	1237
01-05-96 01:00	7.0	1384	1510
01-05-96 02:00	6.7	1414	1545
01-05-96 03:00	5.2	1294	1393
01-05-96 04:00	4.9	1181	1290
01-05-96 05:00	7.2	1207	1267
01-05-96 06:00	9.0	1232	1348
01-05-96 07:00	7.6	1183	1102
01-05-96 08:00	6.7	1267	1241
01-05-96 09:00	8.6	1237	1189
01-05-96 10:00	6.0	1164	1182
01-05-96 11:00	6.0	1058	1079
01-05-96 12:00	6.9	1101	1093
01-05-96 13:00	10.9	789	823
01-05-96 14:00	17.6	655	666
01-05-96 15:00	9.8	837	1011
01-05-96 16:00	3.8	788	785
01-05-96 17:00	1.2	1142	1431
01-05-96 18:00	1.0	1007	1230
01-05-96 19:00	1.8	968	1216
01-05-96 20:00	3.1	1067	1359
01-05-96 21:00	3.5	968	1222
01-05-96 22:00	2.8	943	1203
01-05-96 23:00	7.7	962	1217
01-06-96 00:00	12.3	1015	1302
01-06-96 01:00	2.7	927	1130
01-06-96 02:00	4.6	864	1086
01-06-96 03:00	5.3	991	1283
01-06-96 04:00	5.3	961	1223
01-06-96 05:00	13.4	988	1140
01-06-96 06:00	7.6	1083	1199
01-06-96 07:00	9.8	647	796
01-06-96 08:00	0.0	469	506
01-06-96 09:00	0.0	439	471
01-06-96 10:00	0.0	415	443
01-06-96 11:00	0.0	397	423
01-06-96 12:00	0.0	376	400
01-06-96 13:00	0.0	360	383
01-06-96 14:00	0.0	348	371

Process Down

Koppers Industries
Tie Plant Road
Daily Summary

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FROM 01/01/96 00:00 TO 04/01/96 23:59

Date/ Time	Opacity %	Cell 1 F	Cell 2 F
01-06-96 15:00	0.0	337	360
01-06-96 16:00	0.0	327	349
01-06-96 17:00	0.0	319	341
01-06-96 18:00	0.0	312	333
01-06-96 19:00	0.0	303	325
01-06-96 20:00	0.0	296	317
01-06-96 21:00	0.0	289	311
01-06-96 22:00	0.0	283	304
01-06-96 23:00	0.0	276	297
01-07-96 00:00	0.0	271	292
01-07-96 01:00	0.0	266	287
01-07-96 02:00	0.0	261	281
01-07-96 03:00	0.0	256	277
01-07-96 04:00	0.0	252	273
01-07-96 05:00	0.0	248	269
01-07-96 06:00	0.8	244	265
01-07-96 07:00	0.0	240	261
01-07-96 08:00	0.0	237	257
01-07-96 09:00	0.0	233	253
01-07-96 10:00	0.0	230	251
01-07-96 11:00	0.0	228	249
01-07-96 12:00	0.0	225	247
01-07-96 13:00	0.0	223	245
01-07-96 14:00	0.0	220	242
01-07-96 15:00	0.0	218	240
01-07-96 16:00	0.0	215	237
01-07-96 17:00	0.0	214	236
01-07-96 18:00	0.0	212	234
01-07-96 19:00	0.0	211	233
01-07-96 20:00	0.0	209	231
01-07-96 21:00	0.0	208	230
01-07-96 22:00	0.0	206	228
01-07-96 23:00	0.0	204	226
01-08-96 00:00	0.0	202	224
01-08-96 01:00	0.0	201	223
01-08-96 02:00	0.0	199	221
01-08-96 03:00	0.0	197	219
01-08-96 04:00	0.0	195	218
01-08-96 05:00	0.0	190	210
01-08-96 06:00	0.9	184	204
01-08-96 07:00	0.0	181	203
01-08-96 08:00	0.0	180	202
01-08-96 09:00	11.1	550	655
01-08-96 10:00	4.0	1179	1299
01-08-96 11:00	2.1	1330	1383

Process up
1

FROM 01/01/96 00:00 TO 04/01/96 23:59

Date/ Time	Opacity %	Cell 1 F	Cell 2 F
01-08-96 12:00	2.7	1281	1333
01-08-96 13:00	2.9	1576	1622
01-08-96 14:00	2.1	1660	1727
01-08-96 15:00	3.3	1267	1393
01-08-96 16:00	3.6	1221	1457
01-08-96 17:00	3.3	1170	1497
01-08-96 18:00	4.4	1190	1501
01-08-96 19:00	4.6	1202	1502
01-08-96 20:00	4.8	1200	1529
01-08-96 21:00	4.4	1195	1519
01-08-96 22:00	4.4	1310	1598
01-08-96 23:00	5.2	1268	1570
01-09-96 00:00	5.4	1262	1590
01-09-96 01:00	5.3	1297	1628
01-09-96 02:00	4.3	1294	1596
01-09-96 03:00	4.2	1210	1496
01-09-96 04:00	4.5	1196	1471
01-09-96 05:00	6.3	1131	1270
01-09-96 06:00	6.6	1245	1497
01-09-96 07:00	6.2	1367	1615
01-09-96 08:00	4.4	1468	1701
01-09-96 09:00	4.5	1567	1857
01-09-96 10:00	3.5	1520	1833
01-09-96 11:00	4.5	1310	1623
01-09-96 12:00	6.8	1389	1728
01-09-96 13:00	4.9	1571	1939
01-09-96 14:00	3.6	1467	1815
01-09-96 15:00	4.4	1435	1768
01-09-96 16:00	5.1	1325	1640
01-09-96 17:00	3.7	1293	1607
01-09-96 18:00	5.0	1359	1695
01-09-96 19:00	4.9	1379	1728
01-09-96 20:00	4.9	1415	1767
01-09-96 21:00	4.9	1248	1580
01-09-96 22:00	5.7	1254	1608
01-09-96 23:00	5.4	1302	1655
01-10-96 00:00	5.7	1370	1705
01-10-96 01:00	5.0	1309	1616
01-10-96 02:00	5.7	1345	1672
01-10-96 03:00	6.1	1379	1723
01-10-96 04:00	6.2	1366	1688
01-10-96 05:00	6.6	1325	1653
01-10-96 06:00	13.6	1093	1170
01-10-96 07:00	7.7	1116	1236
01-10-96 08:00	5.7	1265	1558

Koppers Industries
Tie Plant Road
Daily Summary

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FROM 01/01/96 00:00 TO 04/01/96 23:59

Date/ Time	Opacity %	Cell 1 F	Cell 2 F
01-10-96 09:00	6.6	1301	1616
01-10-96 10:00	7.5	1364	1682
01-10-96 11:00	5.4	1212	1500
01-10-96 12:00	5.0	1180	1462
01-10-96 13:00	5.9	1263	1579
01-10-96 14:00	6.2	1255	1575
01-10-96 15:00	6.0	1291	1619
01-10-96 16:00	6.1	1262	1563
01-10-96 17:00	6.5	1288	1609
01-10-96 18:00	5.5	1238	1533
01-10-96 19:00	5.3	1187	1485
01-10-96 20:00	5.7	1275	1563
01-10-96 21:00	5.5	1267	1548
01-10-96 22:00	4.7	1299	1609
01-10-96 23:00	3.9	1267	1561
01-11-96 00:00	3.5	1345	1671
01-11-96 01:00	3.4	1389	1707
01-11-96 02:00	3.8	1331	1627
01-11-96 03:00	4.0	1318	1606
01-11-96 04:00	4.7	1317	1614
01-11-96 05:00	11.1	1346	1637
01-11-96 06:00	10.8	1203	1401
01-11-96 07:00	4.0	1359	1685
01-11-96 08:00	3.2	1252	1537
01-11-96 09:00	11.1	1356	1680
01-11-96 10:00	5.6	1402	1715
01-11-96 11:00	5.3	1440	1766
01-11-96 12:00	2.9	1469	1801
01-11-96 13:00	2.5	1465	1807
01-11-96 14:00	2.4	1448	1744
01-11-96 15:00	4.0	1377	1560
01-11-96 16:00	4.1	1377	1567
01-11-96 17:00	3.2	1141	1442
01-11-96 18:00	3.5	1086	1385
01-11-96 19:00	3.8	1085	1399
01-11-96 20:00	3.9	1092	1412
01-11-96 21:00	3.7	1077	1393
01-11-96 22:00	4.0	1085	1400
01-11-96 23:00	3.9	1067	1386
01-12-96 00:00	4.9	998	1316
01-12-96 01:00	4.5	1336	1551
01-12-96 02:00	4.3	1408	1591
01-12-96 03:00	4.0	1345	1533
01-12-96 04:00	3.6	1416	1601
01-12-96 05:00	5.2	1356	1544

Koppers Industries
Tie Plant Road
Daily Summary

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FROM 01/01/96 00:00 TO 04/01/96 23:59

Date/ Time	Opacity %	Cell 1	Cell 2
		F	F
01-12-96 06:00	10.0	1187	1309
01-12-96 07:00	7.1	1401	1629
01-12-96 08:00	5.3	1406	1607
01-12-96 09:00	5.5	1480	1685
01-12-96 10:00	4.9	1476	1658
01-12-96 11:00	5.7	1459	1423
01-12-96 12:00	5.6	1568	1739
01-12-96 13:00	4.6	1386	1513
01-12-96 14:00	4.9	1376	1524
01-12-96 15:00	4.8	1391	1543
01-12-96 16:00	4.5	1264	1407
01-12-96 17:00	4.8	1344	1517
01-12-96 18:00	4.8	1149	1290
01-12-96 19:00	6.1	1158	1292
01-12-96 20:00	5.0	1449	1604
01-12-96 21:00	5.3	1285	1425
01-12-96 22:00	5.9	1129	1253
01-12-96 23:00	5.2	1288	1402
01-13-96 00:00	4.4	1310	1409
01-13-96 01:00	4.3	1377	1507
01-13-96 02:00	4.2	1236	1352
01-13-96 03:00	4.4	1333	1481
01-13-96 04:00	6.5	1128	1237
01-13-96 05:00	9.3	1147	1245
01-13-96 06:00	3.8	1071	1188
01-13-96 07:00	8.0	649	755
01-13-96 08:00	0.0	478	493
01-13-96 09:00	0.0	441	453
01-13-96 10:00	0.0	420	431
01-13-96 11:00	0.0	405	416
01-13-96 12:00	0.0	392	404
01-13-96 13:00	0.0	380	392
01-13-96 14:00	0.0	370	383
01-13-96 15:00	0.0	360	373
01-13-96 16:00	0.0	350	363
01-13-96 17:00	0.0	340	354
01-13-96 18:00	0.0	331	345
01-13-96 19:00	0.0	322	337
01-13-96 20:00	0.0	314	329
01-13-96 21:00	0.0	307	322
01-13-96 22:00	0.0	301	316
01-13-96 23:00	0.0	295	310
01-14-96 00:00	0.0	289	305
01-14-96 01:00	0.0	284	301
01-14-96 02:00	0.0	280	296

Process Down

Koppers Industries
Tie Plant Road
Daily Summary

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FROM 01/01/96 00:00 TO 04/01/96 23:59

Date/ Time	Opacity %	Cell 1 F	Cell 2 F
01-14-96 03:00	0.0	275	291
01-14-96 04:00	0.0	270	287
01-14-96 05:00	0.0	266	283
01-14-96 06:00	0.9	262	279
01-14-96 07:00	0.0	258	276
01-14-96 08:00	0.0	255	274
01-14-96 09:00	0.0	253	272
01-14-96 10:00	0.0	251	270
01-14-96 11:00	0.0	249	269
01-14-96 12:00	0.0	246	266
01-14-96 13:00	0.0	244	265
01-14-96 14:00	0.0	242	263
01-14-96 15:00	0.0	240	261
01-14-96 16:00	0.0	238	260
01-14-96 17:00	0.0	236	258
01-14-96 18:00	0.0	234	256
01-14-96 19:00	0.0	232	253
01-14-96 20:00	0.0	229	251
01-14-96 21:00	0.0	227	249
01-14-96 22:00	0.0	224	247
01-14-96 23:00	0.0	223	245
01-15-96 00:00	0.0	221	243
01-15-96 01:00	0.0	219	241
01-15-96 02:00	0.0	217	240
01-15-96 03:00	0.0	216	238
01-15-96 04:00	0.0	214	237
01-15-96 05:00	0.0	212	236
01-15-96 06:00	0.8	211	234
01-15-96 07:00	0.0	208	231
01-15-96 08:00	0.2	206	229
01-15-96 09:00	0.0	204	228
01-15-96 10:00	0.0	204	227
01-15-96 11:00	0.1	203	226
01-15-96 12:00	0.0	202	226
01-15-96 13:00	0.0	201	225
01-15-96 14:00	0.0	201	225
01-15-96 15:00	0.0	200	224
01-15-96 16:00	0.0	200	224
01-15-96 17:00	0.0	199	224
01-15-96 18:00	0.0	199	223
01-15-96 19:00	0.0	198	222
01-15-96 20:00	0.0	197	221
01-15-96 21:00	0.0	196	220
01-15-96 22:00	0.0	195	220
01-15-96 23:00	0.0	194	218



Koppers Industries
Tie Plant Road
Daily Summary

Page 9

FROM 01/01/96 00:00 TO 04/01/96 23:59

Date/ Time	Opacity	Cell 1	Cell 2
	%	F	F
01-16-96 00:00	0.0	193	218
01-16-96 01:00	0.0	192	217
01-16-96 02:00	0.0	192	217
01-16-96 03:00	0.0	192	216
01-16-96 04:00	0.0	190	215
01-16-96 05:00	20.1	510	668
01-16-96 06:00	4.8	1189	1374
01-16-96 07:00	4.1	1346	1523
01-16-96 08:00	4.7	1382	1590
01-16-96 09:00	4.8	1574	1731
01-16-96 10:00	4.6	1582	1804
01-16-96 11:00	4.9	1488	1536
01-16-96 12:00	4.4	1512	1703
01-16-96 13:00	5.5	1631	1821
01-16-96 14:00	3.8	1537	1724
01-16-96 15:00	3.8	1413	1560
01-16-96 16:00	3.9	1327	1484
01-16-96 17:00	4.3	1443	1609
01-16-96 18:00	4.1	1500	1643
01-16-96 19:00	4.8	1521	1672
01-16-96 20:00	5.2	1735	1898
01-16-96 21:00	3.9	1492	1650
01-16-96 22:00	4.8	1555	1722
01-16-96 23:00	5.1	1600	1770
01-17-96 00:00	4.9	1510	1692
01-17-96 01:00	5.9	1535	1706
01-17-96 02:00	5.6	1519	1696
01-17-96 03:00	5.0	1439	1602
01-17-96 04:00	5.9	1459	1624
01-17-96 05:00	6.9	1228	1473
01-17-96 06:00	7.7	1497	1473
01-17-96 07:00	6.9	1557	1763
01-17-96 08:00	6.3	1453	1626
01-17-96 09:00	5.7	1680	1800
01-17-96 10:00	4.9	1674	1790
01-17-96 11:00	8.6	1649	1762
01-17-96 12:00	5.6	1576	1703
01-17-96 13:00	5.6	1458	1648
01-17-96 14:00	5.7	1431	1618
01-17-96 15:00	4.7	1260	1417
01-17-96 16:00	5.0	1382	1562
01-17-96 17:00	5.0	1423	1604
01-17-96 18:00	4.5	1467	1654
01-17-96 19:00	5.0	1423	1597
01-17-96 20:00	4.5	1478	1658

Process up

1298

Koppers Industries
Tie Plant Road
Daily Summary

Page 10

FROM 01/01/96 00:00 TO 04/01/96 23:59

Date/ Time	Opacity %	Cell 1 F	Cell 2 F
01-17-96 21:00	4.0	1343	1475
01-17-96 22:00	5.0	1432	1580
01-17-96 23:00	7.1	1606	1748
01-18-96 00:00	6.6	1605	1717
01-18-96 01:00	5.3	1498	1609
01-18-96 02:00	5.1	1425	1535
01-18-96 03:00	4.8	1372	1510
01-18-96 04:00	5.5	1582	1772
01-18-96 05:00	5.2	1362	1550
01-18-96 06:00	11.9	1510	1602
01-18-96 07:00	6.9	1388	1523
01-18-96 08:00	3.1	1463	1649
01-18-96 09:00	11.3	1508	1691
01-18-96 10:00	3.5	1625	1773
01-18-96 11:00	2.0	1637	1758
01-18-96 12:00	2.8	1589	1735
01-18-96 13:00	3.9	1534	1696
01-18-96 14:00	4.4	1400	1559
01-18-96 15:00	3.4	1300	1444
01-18-96 16:00	3.2	1263	1409
01-18-96 17:00	4.6	1483	1682
01-18-96 18:00	4.1	1482	1669
01-18-96 19:00	4.4	1415	1599
01-18-96 20:00	4.8	1382	1565
01-18-96 21:00	4.8	1407	1575
01-18-96 22:00	5.0	1579	1772
01-18-96 23:00	4.7	1392	1570
01-19-96 00:00	5.3	1472	1660
01-19-96 01:00	5.8	1581	1756
01-19-96 02:00	5.2	1537	1715
01-19-96 03:00	4.7	1416	1580
01-19-96 04:00	4.4	1358	1509
01-19-96 05:00	5.5	1436	1570
01-19-96 06:00	7.1	1414	1532
01-19-96 07:00	3.4	1360	1474
01-19-96 08:00	5.8	1006	1319
01-19-96 09:00	4.6	650	1230
01-19-96 10:00	4.9	626	1264
01-19-96 11:00	7.8	403	603
01-19-96 12:00	0.0	408	467
01-19-96 13:00	0.0	401	446
01-19-96 14:00	0.0	385	424
01-19-96 15:00	0.0	372	408
01-19-96 16:00	0.0	362	396
01-19-96 17:00	0.0	352	383

Process Down

Koppers Industries
Tie Plant Road
Daily Summary

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FROM 01/01/96 00:00 TO 04/01/96 23:59

Date/ Time	Opacity %	Cell 1 F	Cell 2 F
01-19-96 18:00	0.0	342	372
01-19-96 19:00	0.0	332	361
01-19-96 20:00	0.0	323	351
01-19-96 21:00	0.0	314	342
01-19-96 22:00	0.0	306	333
01-19-96 23:00	0.0	299	325
01-20-96 00:00	0.0	293	318
01-20-96 01:00	0.0	286	311
01-20-96 02:00	0.0	280	305
01-20-96 03:00	0.0	275	299
01-20-96 04:00	0.0	270	293
01-20-96 05:00	0.0	265	289
01-20-96 06:00	0.8	261	284
01-20-96 07:00	0.0	257	280
01-20-96 08:00	0.0	253	276
01-20-96 09:00	0.0	250	273
01-20-96 10:00	0.0	248	271
01-20-96 11:00	0.0	246	270
01-20-96 12:00	0.0	244	268
01-20-96 13:00	0.0	242	266
01-20-96 14:00	0.0	240	264
01-20-96 15:00	0.0	238	263
01-20-96 16:00	0.0	236	261
01-20-96 17:00	0.0	234	259
01-20-96 18:00	0.0	232	257
01-20-96 19:00	0.0	230	255
01-20-96 20:00	0.0	228	253
01-20-96 21:00	0.0	225	250
01-20-96 22:00	0.0	224	248
01-20-96 23:00	0.0	221	246
01-21-96 00:00	0.0	219	244
01-21-96 01:00	0.0	217	242
01-21-96 02:00	0.0	216	241
01-21-96 03:00	0.0	214	239
01-21-96 04:00	0.0	213	237
01-21-96 05:00	0.0	211	236
01-21-96 06:00	0.8	210	235
01-21-96 07:00	0.0	208	234
01-21-96 08:00	0.0	208	232
01-21-96 09:00	0.0	206	231
01-21-96 10:00	0.0	205	230
01-21-96 11:00	0.0	204	230
01-21-96 12:00	0.0	203	229
01-21-96 13:00	0.0	202	228
01-21-96 14:00	0.0	201	227

Koppers Industries
Tie Plant Road
Daily Summary

Page 12

FROM 01/01/96 00:00 TO 04/01/96 23:59

Date/ Time	Opacity %	Cell 1 F	Cell 2 F
01-21-96 15:00	0.0	200	226
01-21-96 16:00	0.0	200	226
01-21-96 17:00	0.0	199	225
01-21-96 18:00	0.0	198	224
01-21-96 19:00	0.0	197	223
01-21-96 20:00	0.0	196	221
01-21-96 21:00	0.0	195	220
01-21-96 22:00	0.0	193	219
01-21-96 23:00	0.0	192	218
01-22-96 00:00	0.0	192	217
01-22-96 01:00	0.0	191	216
01-22-96 02:00	0.0	190	216
01-22-96 03:00	0.0	190	215
01-22-96 04:00	0.0	189	215
01-22-96 05:00	0.0	188	214
01-22-96 06:00	0.8	188	213
01-22-96 07:00	0.0	187	213
01-22-96 08:00	0.0	186	212
01-22-96 09:00	0.0	183	209
01-22-96 10:00	0.0	179	205
01-22-96 11:00	0.0	179	205
01-22-96 12:00	0.0	179	205
01-22-96 13:00	0.0	179	205
01-22-96 14:00	0.0	178	205
01-22-96 15:00	0.0	178	205
01-22-96 16:00	0.0	180	207
01-22-96 17:00	0.0	182	208
01-22-96 18:00	0.0	182	208
01-22-96 19:00	0.0	182	208
01-22-96 20:00	0.0	181	208
01-22-96 21:00	0.0	181	207
01-22-96 22:00	0.0	180	207
01-22-96 23:00	0.0	180	206
01-23-96 00:00	0.0	179	206
01-23-96 01:00	0.0	179	206
01-23-96 02:00	0.0	180	206
01-23-96 03:00	0.0	179	206
01-23-96 04:00	0.0	179	205
01-23-96 05:00	14.9	670	700
01-23-96 06:00	5.1	1414	1535
01-23-96 07:00	5.9	1451	1627
01-23-96 08:00	6.1	1545	1717
01-23-96 09:00	5.7	1558	1731
01-23-96 10:00	4.5	1528	1678
01-23-96 11:00	3.6	1662	1727

Process up

Koppers Industries
Tie Plant Road
Daily Summary

Page 13

FROM 01/01/96 00:00 TO 04/01/96 23:59

Date/ Time	Opacity %	Cell 1 F	Cell 2 F
01-23-96 12:00	4.1	1672	1810
01-23-96 13:00	4.3	1463	1664
01-23-96 14:00	4.6	1512	1699
01-23-96 15:00	1.0	1042	1164
01-23-96 16:00	5.0	1234	1360
01-23-96 17:00	4.2	1416	1559
01-23-96 18:00	3.1	1331	1477
01-23-96 19:00	4.3	1434	1581
01-23-96 20:00	3.6	1487	1642
01-23-96 21:00	18.0	1497	1655
01-23-96 22:00	6.3	1569	1724
01-23-96 23:00	3.4	1548	1703
01-24-96 00:00	3.1	1382	1504
01-24-96 01:00	4.4	1456	1532
01-24-96 02:00	3.8	1541	1696
01-24-96 03:00	3.8	1380	1512
01-24-96 04:00	4.4	1437	1562
01-24-96 05:00	6.5	1419	1531
01-24-96 06:00	8.7	1448	1680
01-24-96 07:00	2.7	1527	1690
01-24-96 08:00	3.0	1440	1598
01-24-96 09:00	2.2	1413	1522
01-24-96 10:00	2.3	1382	1224
01-24-96 11:00	3.0	1417	1500
01-24-96 12:00	3.1	1434	1485
01-24-96 13:00	3.3	1470	1575
01-24-96 14:00	3.1	1392	1500
01-24-96 15:00	3.0	1379	1485
01-24-96 16:00	3.5	1481	1595
01-24-96 17:00	2.9	1520	1573
01-24-96 18:00	2.7	1588	1700
01-24-96 19:00	2.7	1593	1735
01-24-96 20:00	1.9	1643	1779
01-24-96 21:00	2.4	1553	1711
01-24-96 22:00	3.4	1508	1645
01-24-96 23:00	3.6	1514	1659
01-25-96 00:00	4.6	1566	1702
01-25-96 01:00	4.1	1608	1724
01-25-96 02:00	3.5	1645	1775
01-25-96 03:00	3.1	1624	1768
01-25-96 04:00	3.1	1689	1827
01-25-96 05:00	3.7	1597	1627
01-25-96 06:00	4.3	1520	1717
01-25-96 07:00	3.9	1647	1742
01-25-96 08:00	4.5	1529	1661

FROM 01/01/96 00:00 TO 04/01/96 23:59

Date/ Time	Opacity %	Cell 1 F	Cell 2 F
01-25-96 09:00	5.3	1402	1541
01-25-96 10:00	5.0	1405	1527
01-25-96 11:00	4.3	1357	1480
01-25-96 12:00	4.4	1463	1549
01-25-96 13:00	3.1	1495	1614
01-25-96 14:00	1.9	1427	1594
01-25-96 15:00	1.9	1295	1474
01-25-96 16:00	2.3	1134	1356
01-25-96 17:00	2.0	1100	1389
01-25-96 18:00	3.3	1227	1528
01-25-96 19:00	2.9	1105	1393
01-25-96 20:00	3.6	1263	1580
01-25-96 21:00	3.7	1275	1616
01-25-96 22:00	4.9	1238	1556
01-25-96 23:00	4.5	1228	1551
01-26-96 00:00	5.2	1143	1493
01-26-96 01:00	4.1	1301	1479
01-26-96 02:00	5.1	1453	1605
01-26-96 03:00	4.2	1426	1583
01-26-96 04:00	4.9	1533	1634
01-26-96 05:00	5.3	1489	1444
01-26-96 06:00	3.8	1493	1592
01-26-96 07:00	7.8	1379	1487
01-26-96 08:00	8.4	829	986
01-26-96 09:00	8.9	366	404
01-26-96 10:00	14.7	279	291
01-26-96 11:00	3.6	256	280
01-26-96 12:00	3.3	232	257
01-26-96 13:00	0.4	224	250
01-26-96 14:00	0.2	216	232
01-26-96 15:00	0.7	212	232
01-26-96 16:00	0.8	210	230
01-26-96 17:00	0.0	208	226
01-26-96 18:00	0.0	204	223
01-26-96 19:00	0.0	203	221
01-26-96 20:00	0.0	199	217
01-26-96 21:00	0.0	195	213
01-26-96 22:00	0.0	191	209
01-26-96 23:00	0.0	188	206
01-27-96 00:00	0.0	185	202
01-27-96 01:00	0.0	182	200
01-27-96 02:00	0.0	179	198
01-27-96 03:00	0.0	178	196
01-27-96 04:00	0.0	176	194
01-27-96 05:00	0.0	174	193

Fire with treated wood 13:00 - 15:30pm
total pounds of treated fuel burned = 7,480

Temperature
violation

Process Down

VISIBLE EMISSIONS EVALUATION RECORD

A

PLANT ROPPERS TIE PLANT, MS.

Emission Point BOILER

Date 12-15-98

Stack height 80'

Distance to source 160'

Direction from source SOUTH

CONDITIONS	START	STOP
Time	<u>1015</u>	<u>1115</u>
Wind direction	<u>WSW</u>	<u>WSW</u>
Wind speed	<u>0-5</u>	<u>0-5</u>
Ambient temp. ° F	<u>52</u>	<u>60</u>
Sky cover	<u>CLEAR</u>	<u>CLEAR</u>
Plume color	<u>WHITE</u>	<u>WHITE</u>
Plume background	<u>SKY</u>	<u>SKY</u>

draw north arrow

emission point

draw wind direction arrow

indicate sun position with symbol

observer location

140°

Condensing water vapor? NO Detached ☐ Attached ☐ Distance visible _____

seconds					seconds					seconds					seconds				
min	0	15	30	45	min	0	15	30	45	min	0	15	30	45	min	0	15	30	45
0	5	5	5	5	15	5	5	5	5	30	0	5	0	0	45	5	0	5	5
1	5	5	5	5	16	5	5	5	5	31	5	5	5	0	46	5	5	5	5
2	5	5	5	5	17	5	5	5	5	32	5	5	5	5	47	5	5	5	5
3	5	5	0	5	18	5	5	5	5	33	5	5	5	5	48	5	5	5	5
4	5	5	5	5	19	5	5	5	5	34	10	5	5	5	49	5	5	5	5
5	5	5	5	5	20	5	5	5	5	35	5	5	5	5	50	5	5	5	5
6	5	5	5	5	21	5	5	0	5	36	10	10	10	10	51	5	5	5	5
7	5	5	5	5	22	5	5	5	5	37	10	10	15	15	52	10	5	5	5
8	5	5	5	5	23	5	5	5	5	38	10	10	10	10	53	5	5	5	5
9	0	5	5	5	24	5	0	5	5	39	10	5	5	5	54	5	5	5	5
10	5	5	5	5	25	5	5	5	5	40	10	5	5	5	55	5	10	5	5
11	5	5	5	5	26	5	5	5	5	41	5	5	5	5	56	5	5	5	5
12	5	5	5	5	27	5	5	5	5	42	5	5	5	5	57	5	5	5	5
13	5	5	5	5	28	5	5	5	5	43	5	5	5	5	58	5	5	5	5
14	5	5	0	5	29	5	5	5	5	44	5	5	5	5	59	5	5	5	5

Remarks:

Avg. opacity for period:

5.17

Highest six minute average:

3.33 5.17
8.33

Other data reduction:

Observer:

BRAD McNICOLL

date certified:

001/98

Signature:

Brad McNICOLL

VISIBLE EMISSIONS EVALUATION RECORD

F2

PLANT	KOPPERS TIE PLANT, MS.	
Emission Point	BOILER	
Date	12-15-98	
Stack height	80'	
Distance to source	110'	
Direction from source	South	
CONDITIONS	START	STOP
Time	1242	
Wind direction	WSW	
Wind speed	0-5	
Ambient temp. ° F	40	
Sky cover	CLDY	
Plume color	WHITE	
Plume background	SKY	

draw north arrow

draw wind direction arrow

emission point

indicate sun position with symbol

observer location

140°

Condensing water vapor? NO Detached ☐ Attached ☐ Distance visible _____

seconds					seconds					seconds					seconds				
min	0	15	30	45	min	0	15	30	45	min	0	15	30	45	min	0	15	30	45
0	5	5	5	5	15	5	5	5	5	30	5	5	5	5	45	5	5	5	5
1	5	5	5	5	16	5	5	5	5	31	5	5	5	5	46	10	15	5	5
2	5	5	5	5	17	5	5	5	5	32	5	5	5	5	47	5	5	5	5
3	5	5	5	5	18	5	5	5	5	33	5	5	5	5	48	5	5	5	5
4	5	5	5	5	19	5	10	5	5	34	5	5	10	5	49	5	5	5	5
5	5	5	5	5	20	5	5	5	5	35	5	5	5	5	50	5	5	5	10
6	5	10	10	5	21	5	5	5	5	36	5	5	5	5	51	5	10	10	5
7	5	5	45	40	22	5	5	5	5	37	5	5	5	15	52	5	5	5	5
8	15	10	10	10	23	5	5	5	5	38	5	5	5	5	53	5	5	5	5
9	5	5	5	5	24	5	5	5	5	39	10	5	5	10	54	5	5	5	5
10	5	5	5	5	25	5	5	5	5	40	5	5	5	5	55	5	5	10	5
11	5	5	5	5	26	5	5	5	5	41	5	5	5	5	56	5	5	5	5
12	5	5	5	5	27	5	10	10	5	42	5	5	5	5	57	10	5	5	5
13	5	5	5	5	28	5	5	5	5	43	5	5	5	5	58	5	5	5	5
14	5	10	5	5	29	5	5	5	5	44	5	5	5	5	59	5	5	5	5

Remarks: * BLACK SMOKE VISIBLE

Avg. opacity for period:

5.85

Highest six minute average:

10.42

Other data reduction:

Observer:

BRAD McWILLIAMS

date certified:

DEC 198

Signature:

Brad McWilliams

VISIBLE EMISSIONS EVALUATION RECORD

R7

PLANT KOPPERS TIE PLANT, MS.

Emission Point BOILER

Date 12-16-98

Stack height 80'

Distance to source 180'

Direction from source SOUTHWEST

CONDITIONS	START	STOP
Time	<u>1301</u>	<u>1401</u>
Wind direction	<u>WSW</u>	<u>SW</u>
Wind speed	<u>0-5</u>	<u>0-5</u>
Ambient temp. ° F	<u>62</u>	<u>64</u>
Sky cover	<u>CLEAR</u>	<u>CLEAR</u>
Plume color	<u>WHITE</u>	<u>WHITE & BLACK</u>
Plume background	<u>SKY</u>	<u>SKY</u>

draw north arrow

draw wind direction arrow

emission point

indicate sun position with symbol

observer location

140°

Condensing water vapor? No Detached ☐ Attached ☐ Distance visible _____

seconds					seconds					seconds					seconds				
min	0	15	30	45	min	0	15	30	45	min	0	15	30	45	min	0	15	30	45
0	5	5	5	5	15	5	5	5	5	30	5	5	5	5	45	5	5	5	5
1	5	5	5	5	16	5	5	5	5	31	5	5	5	5	46	15	60	40	15
2	5	10	5	5	17	5	5	5	5	32	5	5	5	5	47	5	5	5	5
3	5	5	5	5	18	5	5	5	5	33	10	5	5	5	48	5	5	5	5
4	5	5	5	5	19	5	5	5	5	34	5	5	5	5	49	5	5	5	5
5	5	5	5	5	20	5	5	5	5	35	5	5	5	5	50	5	5	5	5
6	5	10	5	5	21	10	10	5	5	36	5	5	5	5	51	5	5	5	5
7	5	5	5	5	22	5	5	5	5	37	5	5	5	5	52	5	5	5	5
8	5	5	5	5	23	5	5	5	5	38	5	5	5	5	53	5	5	5	5
9	5	5	5	5	24	5	5	5	5	39	5	5	5	5	54	5	5	10	10
10	25	40	90	45	25	5	30	95	35	40	5	5	5	5	55	10	5	5	5
11	55	5	10	10	26	35	30	10	5	41	5	5	5	5	56	10	5	10	10
12	5	5	5	5	27	5	10	5	10	42	5	5	5	5	57	5	5	5	5
13	5	10	10	5	28	5	5	5	5	43	0	5	0	5	58	5	5	5	15
14	5	5	5	5	29	5	5	5	5	44	5	5	5	5	59	15	15	5	5

Remarks: * BLACK SMOKE VISIBLE

Avg. opacity for period: 7.71

Highest six minute average: 14.58

Other data reduction: _____

Observer: BRAD MCNEIL

date certified: 01/98

Signature: [Signature]

DRY GAS METER CALIBRATION

Meter ID NuTech (2298915)
Calibration Method DGM/DGM **By** WBM
Calibration Meter ID 651729 **Pbar** 29.62
Date 6/5/98

Vac. in. Hg	DH in. H ₂ O	Time min	Calibrating Meter			Field Meter						Y	Q	K	DH@
			Vi ft ³	Vf ft ³	Temp °	Vi ft ³	Vf ft ³	Temp. in		Temp out					
								init.	final	init.	final				
2	5.00	8.50	243.911	255.036	94	714.001	724.800	94	93	94	92	1.016	1.29	0.724	1.758
2	4.00	10.50	255.036	266.686	93	724.800	736.179	92	94	92	92	1.013	1.1	0.687	1.949
2	3.00	11.50	266.686	277.711	93	736.179	746.949	93	94	92	92	1.016	0.95	0.687	1.953
2	2.00	13.00	277.711	287.991	93	746.949	757.036	93	93	92	92	1.013	0.79	0.695	1.909
2	1.00	18.50	287.991	298.429	93	757.036	767.271	92	93	92	92	1.016	0.56	0.702	1.871
Averages:												1.01			1.89

$$Y = [V_{cal}(P_{bar})(T_{dgm})]/[(V_{dgm})(P_m)(T_{cal})]$$

$$K = Q(\sqrt{(P_m M_m)/((T_m \text{ out})(DH))})$$

$$Q = ((V_{mi} - V_{mf})/\text{min.})(T_{M, out}/T_{m, avg})(Y)$$

$$DH@ = 0.921/K^2$$

Where:

Y = Meter correction factor, dimensionless

V_{cal} = Volume of gas through calibrating meter, cubic feet

V_{dgm} = Volume of gas through field dry gas meter, cubic feet

P_{bar} = Barometric pressure, in. Hg

P_m = Meter pressure, (P_{bar} = DH/13.6)

T_{dgm} = Average dry gas meter temp, degrees R

T_{cal} = Temperature of gas at calibrating meter, degrees R

DRY GAS METER CALIBRATION

Meter ID NuTech (2298915)
Calibration Method DGM/DGM **By** WBM
Calibration Meter ID 651729 **Pbar** 30.15
Date 12/22/98

Vac. in. Hg	DH in. H ₂ O	Time min	Calibrating Meter			Field Meter						Y	Q	K	DH@
			Vi ft ³	Vf ft ³	Temp °F	Vi ft ³	Vf ft ³	Temp. in		Temp out					
								init.	final	init.	final				
2	2.00	15.00	384.244	395.562	50	379.854	391.020	54	50	53	49	1.012	0.75	0.698	1.893
2	2.00	48.00	395.562	431.730	50	391.020	426.799	50	53	49	50	1.007	0.75	0.696	1.903
2	2.00	21.50	431.730	447.972	50	426.799	442.919	53	53	50	50	1.006	0.75	0.698	1.892
Averages:												1.01			1.90

$$Y = [V_{cal}(P_{bar})(T_{dgm})]/[(V_{dgm})(P_m)(T_{cal})]$$

$$K = Q(\sqrt{(P_m M_m)/((T_m \text{ out})(DH))})$$

$$Q = ((V_{mi} - V_{mf})/min.)(T_{M, out}/T_{m, avg})(Y)$$

$$DH@ = 0.921/K^2$$

Where:

Y = Meter correction factor, dimensionless

V_{cal} = Volume of gas through calibrating meter, cubic feet

V_{dgm} = Volume of gas through field dry gas meter, cubic feet

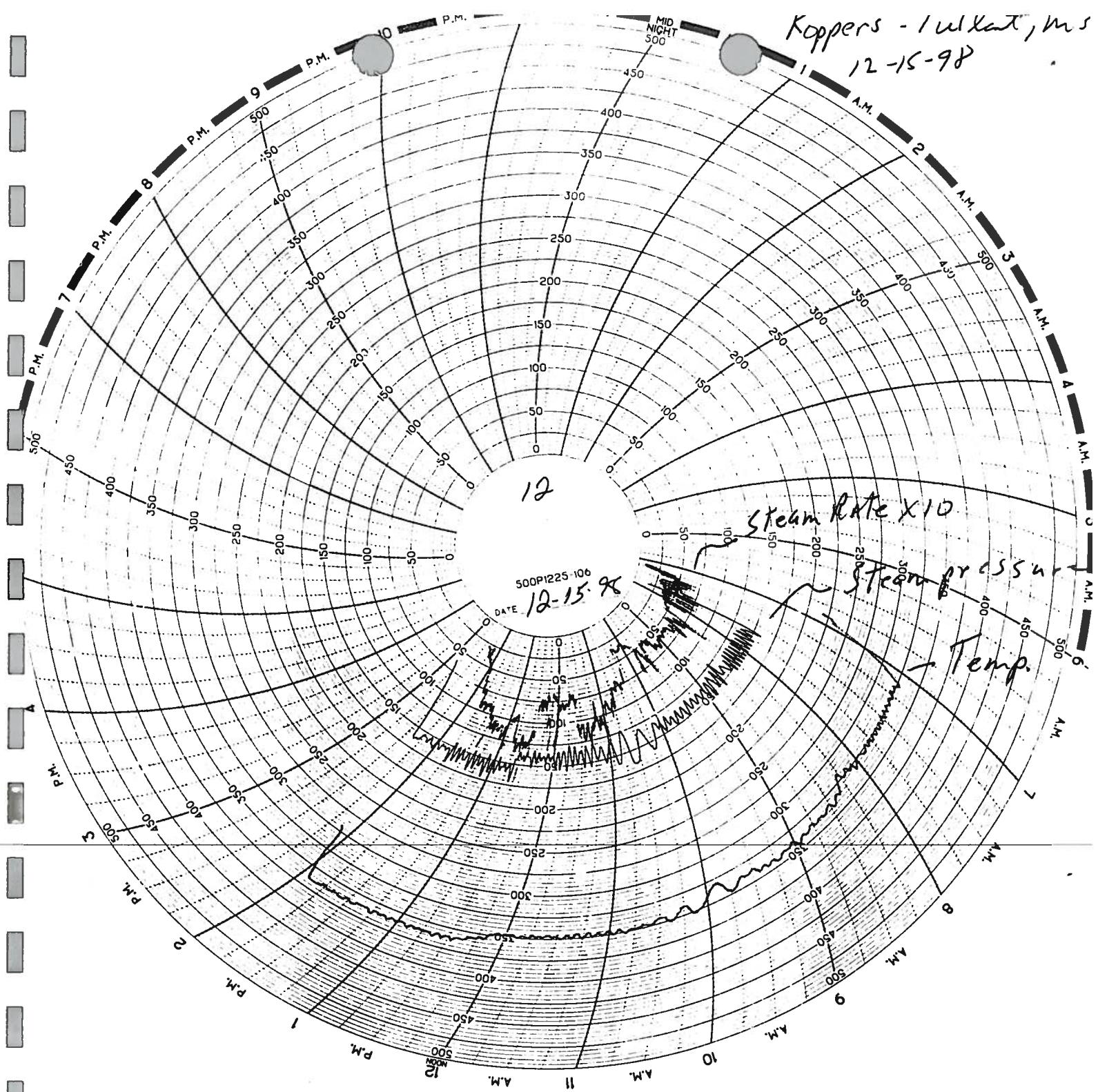
P_{bar} = Barometric pressure, in. Hg

P_m = Meter pressure, (P_{bar} = DH/13.6)

T_{dgm} = Average dry gas meter temp, degrees R

T_{cal} = Temperature of gas at calibrating meter, degrees R

Koppers - Fulkat, m/s
12-15-98





Mississippi Department of Environmental Quality
Office of Pollution Control

I-sys 2000 Master Site Detail Report

Site Name: Koppers Industries Inc

<u>PHYSICAL ADDRESS</u> LINE 1: Tie Plant Road LINE 2: LINE 3: MUNICIPALITY: Tie Plant STATE CODE: MS ZIP CODE: 38960-	<u>OTHER INFORMATION</u> MASTER ID: 000876 COUNTY: Grenada REGION: NRO SIC 1: 2491 AIR TYPE: TITLE V HW TYPE: TSD SOLID TYPE: WATER TYPE: INDUSTRIAL BRANCH: Energy ECED CONTACT: Collier, Melissa BASIN:
<u>MAILING ADDRESS</u> LINE 1: PO Box 160 LINE 2: LINE 3: MUNICIPALITY: Tie Plant STATE CODE: MS ZIP CODE: 38960-	
<u>AIR PROGRAMS</u> ☒ SIP ☐ PSD ☐ NSPS ☐ NESHAPS ☐ MACT	



**Mississippi Department of Environmental Quality
Office of Pollution Control**

Pemits

PROGRAM	PERMIT TYPE	PERMIT #	MDEQ PERMIT CONTACT	ACTIVE
AIR	TITLE V	096000012	Burchfield, David	YES
WATER	PRE-TREATMENT	MSP090300	Collins, Bryan	YES
HAZ. WASTE	TSD	HW8854301		NO
HAZ. WASTE	EPA ID	MSD007027543		NO
HAZ. WASTE	TSD	HW8854301	Stover, Wayne	YES
GENERAL	BASELINE	MSR22005		NO
WATER	SOP	MSU081080		NO

Compliance Actions

MEDIA	ACTIVITY TYPE	SCHEDULED	COMPLETED	INSPECTED B
HAZ WASTE	Financial Record Review	1/18/00	1/18/00	Twitty, Russ
WATER	CMI - PRETREATMENT			Whittington, Darryail
WATER	CEI - PRETREATMENT	9/30/00		Twitty, Russ
WATER	CEI - NA	9/30/00		Twitty, Russ
HAZ WASTE	Compliance Evaluation Inspection	9/30/00		Twitty, Russ
AIR	State Compliance Inspection	9/30/00		Twitty, Russ
WATER	CEI - NA	3/2/99	3/2/99	Twitty, Russ
HAZ WASTE	Compliance Evaluation Inspection	3/2/99	3/2/99	Twitty, Russ
AIR	State Compliance Inspection	3/2/99	3/2/99	Twitty, Russ

Order #	Date	Sulfur WT%	GAL
wg11939	10-4-95	0.32	7462
wg11946	10-5-95	0.32	7466
wg12161	10-11-95	0.32	7456
wg12184	10-12-95	0.32	7464
wg12187	10-12-95	0.32	7459
wg12199	10-17-95	0.3	7471
wg12203	10-18-95	0.3	7468
wg12207	10-19-95	0.3	7477
wg12218	10-23-95	0.3	7476
wg12232	10-25-95	0.3	7484
wg12238	10-27-95	0.3	7484
wg12243	10-30-95	0.3	7456
wg12249	11-2-95	0.23	7464
wg11958	11-7-95	0.23	7500
wg11961	11-8-95	0.23	7499
wg12009	12-1-95	0.23	7531
wg12012	12-4-95	0.23	7528
wg12018	12-5-95	0.25	7526
wg12029	12-7-95	0.25	7527
wg12032	12-8-95	0.25	7530
wg12036	12-11-95	0.25	7538
wg12040	12-12-95	0.25	7543
wg12042	12-13-95	0.25	7532
wg11005	12-19-95	0.25	7526
wg11007	12-19-95	0.25	7517
wg11013	12-21-95	0.25	7542
wg11038	12-28-95	0.25	7560

AVG = 0.2722222222 202486

Total Gals used in oil fired boiler = = 23330 gal.

FROM 01/01/96 00:00 TO 04/01/96 23:59

Date/ Time	Opacity %	Cell 1 F	Cell 2 F
01-31-96 00:00	3.6	1437	1531
01-31-96 01:00	5.0	1610	1703
01-31-96 02:00	4.2	1647	1741
01-31-96 03:00	3.3	1465	1560
01-31-96 04:00	4.2	1630	1743
01-31-96 05:00	3.9	1403	1337
01-31-96 06:00	9.7	1314	1352
01-31-96 07:00	3.5	1511	1638
01-31-96 08:00	3.9	1570	1671
01-31-96 09:00	3.5	1623	1685
01-31-96 10:00	3.5	1478	1486
01-31-96 11:00	4.9	1572	1549
01-31-96 12:00	4.0	1622	1626
01-31-96 13:00	3.3	1692	1720
01-31-96 14:00	2.7	1577	1723
01-31-96 15:00	4.5	1619	1755
01-31-96 16:00	3.1	1448	1563
01-31-96 17:00	2.7	1434	1565
01-31-96 18:00	3.9	1500	1591
01-31-96 19:00	2.2	1541	1585
01-31-96 20:00	1.9	1479	1533
01-31-96 21:00	2.5	1533	1575
01-31-96 22:00	2.1	1389	1422
01-31-96 23:00	2.1	1276	1334
02-01-96 00:00	2.5	1398	1238
02-01-96 01:00	2.9	1532	1584
02-01-96 02:00	2.6	1636	1719
02-01-96 03:00	1.7	1316	1420
02-01-96 04:00	2.2	1229	1300
02-01-96 05:00	1.7	1174	1232
02-01-96 06:00	1.3	1162	1182
02-01-96 07:00	1.9	1153	1275
02-01-96 08:00	1.8	1171	1289
02-01-96 09:00	5.0	1151	1262
02-01-96 10:00	8.1	999	949
02-01-96 11:00	8.4	856	641
02-01-96 12:00	0.0	484	503
02-01-96 13:00	0.0	454	466
02-01-96 14:00	0.0	440	448
02-01-96 15:00	0.0	428	433
02-01-96 16:00	0.0	404	411
02-01-96 17:00	0.0	389	396
02-01-96 18:00	0.0	376	383
02-01-96 19:00	0.0	366	372
02-01-96 20:00	0.0	356	362

Process Down

Koppers Industries
Tie Plant Road
Daily Summary

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FROM 01/01/96 00:00 TO 04/01/96 23:59

Date/ Time	Opacity %	Cell 1 F	Cell 2 F
02-01-96 21:00	0.0	346	352
02-01-96 22:00	0.0	337	343
02-01-96 23:00	0.0	328	334
02-02-96 00:00	0.0	318	325
02-02-96 01:00	0.0	311	318
02-02-96 02:00	0.0	302	310
02-02-96 03:00	0.0	295	303
02-02-96 04:00	0.0	288	297
02-02-96 05:00	0.0	282	291
02-02-96 06:00	0.0	276	286
02-02-96 07:00	0.0	271	280
02-02-96 08:00	0.0	265	275
02-02-96 09:00	0.0	260	271
02-02-96 10:00	0.0	256	267
02-02-96 11:00	0.8	251	263
02-02-96 12:00	0.0	247	259
02-02-96 13:00	0.0	243	255
02-02-96 14:00	0.0	239	252
02-02-96 15:00	0.0	235	249
02-02-96 16:00	0.0	232	246
02-02-96 17:00	0.0	229	243
02-02-96 18:00	0.0	226	240
02-02-96 19:00	0.0	223	237
02-02-96 20:00	0.0	219	234
02-02-96 21:00	0.0	216	231
02-02-96 22:00	0.0	213	229
02-02-96 23:00	0.0	211	227
02-03-96 00:00	0.0	208	225
02-03-96 01:00	0.0	206	222
02-03-96 02:00	0.0	204	221
02-03-96 03:00	0.0	201	218
02-03-96 04:00	0.0	199	216
02-03-96 05:00	0.1	197	215
02-03-96 06:00	0.2	195	213
02-03-96 07:00	0.3	193	211
02-03-96 08:00	0.5	191	210
02-03-96 09:00	0.6	191	210
02-03-96 10:00	0.5	190	209
02-03-96 11:00	1.0	189	209
02-03-96 12:00	0.1	187	207
02-03-96 13:00	0.0	186	206
02-03-96 14:00	0.0	185	205
02-03-96 15:00	0.0	184	205
02-03-96 16:00	0.0	183	204
02-03-96 17:00	0.0	182	203

Koppers Industries
Tie Plant Road
Daily Summary

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FROM 01/01/96 00:00 TO 04/01/96 23:59

Date/ Time	Opacity %	Cell 1 F	Cell 2 F
02-03-96 18:00	0.0	181	201
02-03-96 19:00	0.0	180	200
02-03-96 20:00	0.0	179	200
02-03-96 21:00	0.0	178	200
02-03-96 22:00	0.0	177	199
02-03-96 23:00	0.0	176	198
02-04-96 00:00	0.0	175	197
02-04-96 01:00	0.0	174	196
02-04-96 02:00	0.0	173	195
02-04-96 03:00	0.1	172	194
02-04-96 04:00	0.1	172	193
02-04-96 05:00	0.2	171	192
02-04-96 06:00	0.2	170	192
02-04-96 07:00	0.3	169	191
02-04-96 08:00	0.4	168	190
02-04-96 09:00	0.6	168	190
02-04-96 10:00	0.6	167	190
02-04-96 11:00	1.0	167	190
02-04-96 12:00	0.1	167	190
02-04-96 13:00	0.0	167	190
02-04-96 14:00	0.0	167	190
02-04-96 15:00	0.0	166	190
02-04-96 16:00	0.0	166	189
02-04-96 17:00	0.0	166	189
02-04-96 18:00	0.0	166	189
02-04-96 19:00	0.0	165	188
02-04-96 20:00	0.0	164	188
02-04-96 21:00	0.0	164	187
02-04-96 22:00	0.0	163	187
02-04-96 23:00	0.0	163	186
02-05-96 00:00	0.0	162	186
02-05-96 01:00	0.0	162	185
02-05-96 02:00	0.1	161	185
02-05-96 03:00	0.1	161	185
02-05-96 04:00	0.1	161	184
02-05-96 05:00	0.1	160	184
02-05-96 06:00	0.1	160	184
02-05-96 07:00	0.2	160	184
02-05-96 08:00	0.3	160	184
02-05-96 09:00	0.1	160	184
02-05-96 10:00	0.0	160	184
02-05-96 11:00	0.9	160	185
02-05-96 12:00	0.0	161	186
02-05-96 13:00	11.8	172	205
02-05-96 14:00	15.6	655	828

Process up
↓

Koppers Industries
Tie Plant Road
Daily Summary

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FROM 01/01/96 00:00 TO 04/01/96 23:59

Date/ Time	Opacity %	Cell 1 F	Cell 2 F
02-05-96 15:00	6.3	871	1058
02-05-96 16:00	2.5	835	960
02-05-96 17:00	2.1	1114	1266
02-05-96 18:00	1.9	1150	1291
02-05-96 19:00	2.0	1163	1294
02-05-96 20:00	2.4	1176	1297
02-05-96 21:00	2.3	1181	1301
02-05-96 22:00	2.2	1203	1319
02-05-96 23:00	1.9	1176	1307
02-06-96 00:00	2.6	1196	1311
02-06-96 01:00	3.7	1349	1473
02-06-96 02:00	2.6	1280	1416
02-06-96 03:00	2.2	1250	1390
02-06-96 04:00	1.9	1246	1384
02-06-96 05:00	1.8	1240	1350
02-06-96 06:00	7.4	1215	1260
02-06-96 07:00	0.4	977	948
02-06-96 08:00	0.3	568	589
02-06-96 09:00	7.6	1064	1029
02-06-96 10:00	1.0	1031	1093
02-06-96 11:00	2.3	900	940
02-06-96 12:00	1.4	961	991
02-06-96 13:00	1.4	971	1010
02-06-96 14:00	2.0	1000	1054
02-06-96 15:00	3.6	1198	1283
02-06-96 16:00	3.8	1335	1456
02-06-96 17:00	3.5	1320	1402
02-06-96 18:00	2.1	1256	1361
02-06-96 19:00	2.2	1238	1327
02-06-96 20:00	2.8	1220	1287
02-06-96 21:00	3.4	1285	1341
02-06-96 22:00	4.5	1580	1630
02-06-96 23:00	4.8	1564	1577
02-07-96 00:00	5.2	1472	1518
02-07-96 01:00	4.6	1505	1521
02-07-96 02:00	4.3	1478	1531
02-07-96 03:00	4.4	1533	1548
02-07-96 04:00	5.4	1879	1780
02-07-96 05:00	4.7	1610	1620
02-07-96 06:00	6.6	1315	1342
02-07-96 07:00	3.8	1321	1358
02-07-96 08:00	3.7	1310	1394
02-07-96 09:00	4.3	1410	1490
02-07-96 10:00	3.8	1398	1407
02-07-96 11:00	4.8	1272	1303



Koppers Industries
Tie Plant Road
Daily Summary

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FROM 01/01/96 00:00 TO 04/01/96 23:59

Date/ Time	Opacity %	Cell 1 F	Cell 2 F
02-07-96 12:00	6.6	1268	1454
02-07-96 13:00	4.7	1392	1346
02-07-96 14:00	4.4	1294	1360
02-07-96 15:00	1.7	971	965
02-07-96 16:00	0.0	607	624
02-07-96 17:00	6.2	1132	1184
02-07-96 18:00	6.0	1586	1726
02-07-96 19:00	4.1	1503	1620
02-07-96 20:00	3.9	1456	1546
02-07-96 21:00	4.1	1470	1564
02-07-96 22:00	4.4	1516	1628
02-07-96 23:00	3.3	1349	1455
02-08-96 00:00	4.7	1355	1503
02-08-96 01:00	5.6	1462	1606
02-08-96 02:00	4.6	1436	1565
02-08-96 03:00	4.1	1373	1480
02-08-96 04:00	3.4	1274	1364
02-08-96 05:00	5.2	1430	1504
02-08-96 06:00	5.7	1404	1453
02-08-96 07:00	3.7	1219	1267
02-08-96 08:00	4.5	1211	1293
02-08-96 09:00	6.1	1438	1540
02-08-96 10:00	7.0	1516	1626
02-08-96 11:00	6.2	1400	1463
02-08-96 12:00	5.4	1377	1414
02-08-96 13:00	5.4	1385	1418
02-08-96 14:00	5.0	1310	1409
02-08-96 15:00	5.4	1368	1453
02-08-96 16:00	6.4	1620	1708
02-08-96 17:00	5.8	1549	1648
02-08-96 18:00	4.2	1375	1466
02-08-96 19:00	3.7	1288	1388
02-08-96 20:00	4.6	1236	1349
02-08-96 21:00	4.7	1239	1349
02-08-96 22:00	4.8	1340	1443
02-08-96 23:00	4.7	1320	1395
02-09-96 00:00	6.3	1416	1531
02-09-96 01:00	5.4	1375	1466
02-09-96 02:00	3.3	1134	1168
02-09-96 03:00	3.5	1065	1111
02-09-96 04:00	3.6	1114	1177
02-09-96 05:00	5.3	1348	1429
02-09-96 06:00	9.5	1217	1278
02-09-96 07:00	3.9	1278	1392
02-09-96 08:00	3.3	1158	1255



Koppers Industries
Tie Plant Road
Daily Summary

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FROM 01/01/96 00:00 TO 04/01/96 23:59

Date/ Time	Opacity %	Cell 1 F	Cell 2 F
02-09-96 09:00	3.9	1104	1195
02-09-96 10:00	5.4	1174	1309
02-09-96 11:00	7.4	1328	1513
02-09-96 12:00	7.8	1408	1575
02-09-96 13:00	4.9	1349	1516
02-09-96 14:00	3.3	1241	1365
02-09-96 15:00	3.7	1137	1227
02-09-96 16:00	3.9	1126	1231
02-09-96 17:00	4.1	1196	1328
02-09-96 18:00	3.6	1150	1282
02-09-96 19:00	3.4	1075	1166
02-09-96 20:00	5.3	1138	1244
02-09-96 21:00	4.0	1144	1235
02-09-96 22:00	3.9	904	943
02-09-96 23:00	3.5	1005	1054
02-10-96 00:00	3.6	952	1015
02-10-96 01:00	3.8	924	986
02-10-96 02:00	5.0	920	988
02-10-96 03:00	4.0	940	1030
02-10-96 04:00	6.8	878	951
02-10-96 05:00	7.2	879	947
02-10-96 06:00	5.0	508	488
02-10-96 07:00	0.0	442	453
02-10-96 08:00	0.0	413	425
02-10-96 09:00	0.0	395	406
02-10-96 10:00	0.0	379	390
02-10-96 11:00	0.9	367	378
02-10-96 12:00	0.0	357	367
02-10-96 13:00	0.0	348	358
02-10-96 14:00	0.0	339	349
02-10-96 15:00	0.0	331	341
02-10-96 16:00	0.0	324	334
02-10-96 17:00	0.0	317	327
02-10-96 18:00	0.0	310	320
02-10-96 19:00	0.0	302	313
02-10-96 20:00	0.0	296	307
02-10-96 21:00	0.0	290	302
02-10-96 22:00	0.0	285	297
02-10-96 23:00	0.0	279	292
02-11-96 00:00	0.0	273	287
02-11-96 01:00	0.0	268	282
02-11-96 02:00	0.0	262	277
02-11-96 03:00	0.0	258	273
02-11-96 04:00	0.0	254	269
02-11-96 05:00	0.0	249	265

Process Down

Koppers Industries
Tie Plant Road
Daily Summary

Page 23

FROM 01/01/96 00:00 TO 04/01/96 23:59

Date/ Time	Opacity %	Cell 1 F	Cell 2 F
02-11-96 06:00	0.0	247	263
02-11-96 07:00	0.0	244	260
02-11-96 08:00	0.0	240	256
02-11-96 09:00	0.0	236	253
02-11-96 10:00	0.0	232	250
02-11-96 11:00	0.9	230	248
02-11-96 12:00	0.0	228	246
02-11-96 13:00	0.0	227	245
02-11-96 14:00	0.0	224	243
02-11-96 15:00	0.0	223	241
02-11-96 16:00	0.0	220	240
02-11-96 17:00	0.0	219	238
02-11-96 18:00	0.0	218	237
02-11-96 19:00	0.0	216	235
02-11-96 20:00	0.0	213	233
02-11-96 21:00	0.0	211	231
02-11-96 22:00	0.0	208	229
02-11-96 23:00	0.0	208	228
02-12-96 00:00	0.0	206	226
02-12-96 01:00	0.0	204	224
02-12-96 02:00	0.0	202	223
02-12-96 03:00	0.0	200	221
02-12-96 04:00	0.0	199	220
02-12-96 05:00	0.0	198	218
02-12-96 06:00	0.0	196	217
02-12-96 07:00	0.0	195	216
02-12-96 08:00	0.0	194	216
02-12-96 09:00	0.0	192	214
02-12-96 10:00	0.0	190	213
02-12-96 11:00	1.2	190	213
02-12-96 12:00	0.0	190	213
02-12-96 13:00	0.0	190	213
02-12-96 14:00	0.9	188	212
02-12-96 15:00	0.0	188	211
02-12-96 16:00	0.0	186	209
02-12-96 17:00	0.0	187	210
02-12-96 18:00	0.0	187	210
02-12-96 19:00	0.0	186	209
02-12-96 20:00	0.0	185	208
02-12-96 21:00	0.0	184	206
02-12-96 22:00	0.0	183	205
02-12-96 23:00	0.0	182	204
02-13-96 00:00	0.0	181	203
02-13-96 01:00	0.0	180	202
02-13-96 02:00	0.0	179	202



FROM 01/01/96 00:00 TO 04/01/96 23:59

Date/ Time	Opacity %	Cell 1 F	Cell 2 F
02-13-96 03:00	0.0	178	201
02-13-96 04:00	0.0	177	200
02-13-96 05:00	38.7	526	691
02-13-96 06:00	8.4	1056	1164
02-13-96 07:00	5.3	1068	1209
02-13-96 08:00	7.2	1403	1504
02-13-96 09:00	8.3	1519	1641
02-13-96 10:00	9.9	1622	1790
02-13-96 11:00	8.5	1442	1681
02-13-96 12:00	5.4	1307	1488
02-13-96 13:00	5.6	1375	1577
02-13-96 14:00	6.5	1467	1650
02-13-96 15:00	5.5	1478	1593
02-13-96 16:00	5.7	1520	1639
02-13-96 17:00	4.8	1535	1658
02-13-96 18:00	4.8	1504	1632
02-13-96 19:00	4.9	1476	1619
02-13-96 20:00	4.4	1393	1525
02-13-96 21:00	4.0	1360	1435
02-13-96 22:00	4.9	1432	1515
02-13-96 23:00	4.9	1472	1554
02-14-96 00:00	3.6	1298	1314
02-14-96 01:00	5.0	1404	1467
02-14-96 02:00	6.8	1536	1655
02-14-96 03:00	6.1	1551	1674
02-14-96 04:00	4.7	1453	1543
02-14-96 05:00	5.7	1399	1259
02-14-96 06:00	11.5	1285	1551
02-14-96 07:00	6.7	1593	1378
02-14-96 08:00	4.4	1551	1730
02-14-96 09:00	3.9	1366	1559
02-14-96 10:00	5.2	1244	1415
02-14-96 11:00	6.9	1366	1621
02-14-96 12:00	6.0	1351	1590
02-14-96 13:00	6.4	1473	1699
02-14-96 14:00	4.5	1291	1498
02-14-96 15:00	4.1	1250	1445
02-14-96 16:00	4.2	1207	1405
02-14-96 17:00	4.9	1274	1480
02-14-96 18:00	5.1	743	720
02-14-96 19:00	3.0	349	393
02-14-96 20:00	0.5	347	395
02-14-96 21:00	13.2	442	502
02-14-96 22:00	2.2	716	729
02-14-96 23:00	2.0	471	489

↓
Process UP

FROM 01/01/96 00:00 TO 04/01/96 23:59

Date/ Time	Opacity %	Cell 1 F	Cell 2 F	
02-15-96 00:00	1.6	441	457	Process Dow
02-15-96 01:00	1.3	420	437	
02-15-96 02:00	0.3	403	421	
02-15-96 03:00	0.3	390	407	
02-15-96 04:00	0.3	377	394	
02-15-96 05:00	1.3	364	381	
02-15-96 06:00	3.2	353	368	
02-15-96 07:00	0.1	285	305	
02-15-96 08:00	0.0	257	290	
02-15-96 09:00	0.0	298	318	
02-15-96 10:00	7.8	295	313	Process up
02-15-96 11:00	11.8	1198	1406	
02-15-96 12:00	6.1	1370	1503	
02-15-96 13:00	4.6	1308	1432	
02-15-96 14:00	5.1	1347	1483	
02-15-96 15:00	4.5	1365	1490	
02-15-96 16:00	6.4	1492	1636	
02-15-96 17:00	4.7	1487	1625	
02-15-96 18:00	4.1	1404	1538	
02-15-96 19:00	4.0	1365	1498	
02-15-96 20:00	3.9	1357	1484	
02-15-96 21:00	4.5	1385	1525	
02-15-96 22:00	4.6	1462	1571	
02-15-96 23:00	5.1	1487	1624	
02-16-96 00:00	5.2	1449	1584	
02-16-96 01:00	5.0	1381	1524	
02-16-96 02:00	5.4	1361	1530	
02-16-96 03:00	4.6	1277	1373	
02-16-96 04:00	4.9	1305	1369	
02-16-96 05:00	5.3	1385	1459	
02-16-96 06:00	6.3	1340	1350	
02-16-96 07:00	9.3	878	1100	
02-16-96 08:00	5.1	402	387	
02-16-96 09:00	17.8	321	333	
02-16-96 10:00	14.5	315	350	
02-16-96 11:00	12.5	276	290	
02-16-96 12:00	2.1	247	261	
02-16-96 13:00	0.6	240	259	
02-16-96 14:00	0.0	286	295	
02-16-96 15:00	0.4	292	297	
02-16-96 16:00	7.6	229	239	
02-16-96 17:00	3.4	208	222	
02-16-96 18:00	1.8	205	216	
02-16-96 19:00	1.4	199	211	
02-16-96 20:00	1.0	193	207	

FROM 01/01/96 00:00 TO 04/01/96 23:59

Date/ Time	Opacity %	Cell 1 F	Cell 2 F
02-16-96 21:00	0.9	188	203
02-16-96 22:00	1.0	175	200
02-16-96 23:00	0.8	170	197
02-17-96 00:00	0.8	168	194
02-17-96 01:00	0.6	166	192
02-17-96 02:00	0.5	164	191
02-17-96 03:00	0.3	163	189
02-17-96 04:00	0.3	162	188
02-17-96 05:00	0.2	161	187
02-17-96 06:00	0.1	170	194
02-17-96 07:00	0.3	185	205
02-17-96 08:00	4.5	188	208
02-17-96 09:00	2.4	180	-9999
02-17-96 10:00	13.3	-9999	-9999
02-17-96 11:00	1.2	-9999	-9999
02-17-96 12:00	9.1	-9999	-9999
02-17-96 13:00	3.6	-9999	-9999
02-17-96 14:00	0.0	-9999	-9999
02-17-96 15:00	0.0	-9999	-9999
02-17-96 16:00	0.0	-9999	-9999
02-17-96 17:00	0.0	-9999	-9999
02-17-96 18:00	0.0	-9999	-9999
02-17-96 19:00	0.0	-9999	-9999
02-17-96 20:00	0.0	-9999	-9999
02-17-96 21:00	0.0	-9999	-9999
02-17-96 22:00	0.0	-9999	-9999
02-17-96 23:00	0.0	-9999	-9999
02-18-96 00:00	0.0	-9999	-9999
02-18-96 01:00	0.0	-9999	-9999
02-18-96 02:00	0.0	-9999	-9999
02-18-96 03:00	0.0	-9999	-9999
02-18-96 04:00	0.0	-9999	-9999
02-18-96 05:00	0.0	-9999	-9999
02-18-96 06:00	0.0	-9999	-9999
02-18-96 07:00	0.0	-9999	-9999
02-18-96 08:00	0.0	-9999	-9999
02-18-96 09:00	0.0	-9999	-9999
02-18-96 10:00	0.2	174	195
02-18-96 11:00	0.8	163	187
02-18-96 12:00	0.0	161	187
02-18-96 13:00	0.0	163	189
02-18-96 14:00	0.0	164	190
02-18-96 15:00	0.0	165	192
02-18-96 16:00	0.0	165	192
02-18-96 17:00	0.0	165	192

Process Down

Date not
available?

FROM 01/01/96 00:00 TO 04/01/96 23:59

Date/ Time	Opacity %	Cell 1 F	Cell 2 F
02-18-96 18:00	0.0	163	191
02-18-96 19:00	0.0	162	189
02-18-96 20:00	0.0	161	188
02-18-96 21:00	0.0	160	187
02-18-96 22:00	0.0	160	187
02-18-96 23:00	0.0	160	187
02-19-96 00:00	0.0	160	187
02-19-96 01:00	0.0	161	188
02-19-96 02:00	0.0	161	188
02-19-96 03:00	0.0	162	189
02-19-96 04:00	0.0	163	190
02-19-96 05:00	10.1	153	173
02-19-96 06:00	2.7	-9999	-9999
02-19-96 07:00	3.5	-9999	-9999
02-19-96 08:00	1.3	1311	1322
02-19-96 09:00	1.0	1245	1263
02-19-96 10:00	0.5	1457	1483
02-19-96 11:00	0.1	1512	1583
02-19-96 12:00	0.1	1667	1627
02-19-96 13:00	0.3	1486	1470
02-19-96 14:00	6.2	1866	1851
02-19-96 15:00	5.2	2117	2175
02-19-96 16:00	2.7	1980	1991
02-19-96 17:00	1.0	1476	1539
02-19-96 18:00	0.1	1402	1389
02-19-96 19:00	0.1	1246	1208
02-19-96 20:00	0.2	1232	1224
02-19-96 21:00	0.2	1366	1279
02-19-96 22:00	3.0	1417	1060
02-19-96 23:00	0.2	1337	1280
02-20-96 00:00	0.1	1287	1283
02-20-96 01:00	0.2	1429	1329
02-20-96 02:00	0.8	1737	1084
02-20-96 03:00	1.2	1496	934
02-20-96 04:00	2.3	1398	882
02-20-96 05:00	2.5	1197	1186
02-20-96 06:00	4.4	1214	1211
02-20-96 07:00	1.4	1236	1182
02-20-96 08:00	1.0	1566	1370
02-20-96 09:00	0.0	1485	1405
02-20-96 10:00	0.1	1343	1236
02-20-96 11:00	0.1	1301	1246
02-20-96 12:00	0.0	1264	1259
02-20-96 13:00	0.0	1278	1258
02-20-96 14:00	0.0	1272	1252

Process up

Avg temp < 1600°F
before beginning firing
treated wood.

Date not
available?

Temperature
violations

FROM 01/01/96 00:00 TO 04/01/96 23:59

Date/ Time	Opacity %	Cell 1 F	Cell 2 F
02-20-96 15:00	0.0	1267	1237
02-20-96 16:00	0.0	1252	1243
02-20-96 17:00	0.0	1269	1236
02-20-96 18:00	0.7	1327	1221
02-20-96 19:00	2.0	1578	1651
02-20-96 20:00	0.2	1325	1315
02-20-96 21:00	0.2	1319	1246
02-20-96 22:00	1.4	1073	1054
02-20-96 23:00	0.3	1229	1207
02-21-96 00:00	0.5	1173	1144
02-21-96 01:00	0.2	1495	1463
02-21-96 02:00	0.0	1425	1349
02-21-96 03:00	1.7	1142	1070
02-21-96 04:00	3.9	1041	957
02-21-96 05:00	1.4	1310	1327
02-21-96 06:00	0.6	1564	1619
02-21-96 07:00	0.9	1856	1656
02-21-96 08:00	2.4	1870	1926
02-21-96 09:00	5.0	1888	1966
02-21-96 10:00	3.8	2123	2219
02-21-96 11:00	1.0	2085	2192
02-21-96 12:00	1.9	2057	2000
02-21-96 13:00	1.2	2027	2131
02-21-96 14:00	1.5	2079	2191
02-21-96 15:00	2.1	2080	2239
02-21-96 16:00	1.4	2115	2234
02-21-96 17:00	0.2	1789	1864
02-21-96 18:00	0.0	1258	1281
02-21-96 19:00	3.4	1391	1555
02-21-96 20:00	0.0	1627	1575
02-21-96 21:00	0.0	1573	1506
02-21-96 22:00	0.0	1595	1562
02-21-96 23:00	0.1	1564	1505
02-22-96 00:00	0.0	1555	1479
02-22-96 01:00	0.1	1587	1510
02-22-96 02:00	0.1	1686	1657
02-22-96 03:00	0.0	1679	1635
02-22-96 04:00	0.0	1520	1479
02-22-96 05:00	0.6	1448	1499
02-22-96 06:00	0.3	1479	1543
02-22-96 07:00	0.2	1582	1607
02-22-96 08:00	19.1	2073	2238
02-22-96 09:00	6.9	1991	2139
02-22-96 10:00	8.7	2001	2162
02-22-96 11:00	4.2	2017	2158

Fire with Treated wood 2-20-96 5:00,-
- 2-21-96 5:00
Total lb/hr treated fuel burned = 3118 lb/hr

Temperature
Violations

Low temp = 95
Hi temp = 223

FROM 01/01/96 00:00 TO 04/01/96 23:59

Date/ Time	Opacity	Cell 1	Cell 2
	%	F	F
02-22-96 12:00	1.7	2018	2163
02-22-96 13:00	7.5	1985	2120
02-22-96 14:00	3.2	1941	2087
02-22-96 15:00	2.3	1856	1918
02-22-96 16:00	5.7	1870	2026
02-22-96 17:00	11.3	1993	2162
02-22-96 18:00	8.5	1952	2071
02-22-96 19:00	0.0	1810	1861
02-22-96 20:00	0.3	1832	1871
02-22-96 21:00	1.5	1974	2067
02-22-96 22:00	0.9	1914	2011
02-22-96 23:00	7.7	2032	1953
02-23-96 00:00	12.1	2117	2165
02-23-96 01:00	2.6	2065	2160
02-23-96 02:00	1.6	1702	1614
02-23-96 03:00	12.7	2098	1789
02-23-96 04:00	15.6	2092	2169
02-23-96 05:00	1.9	1750	1634
02-23-96 06:00	7.1	1475	1741
02-23-96 07:00	11.8	1990	2051
02-23-96 08:00	28.6	2033	2048
02-23-96 09:00	1.9	1765	1829
02-23-96 10:00	1.4	1839	1868
02-23-96 11:00	1.7	1691	1694
02-23-96 12:00	1.9	1527	1633
02-23-96 13:00	1.4	1539	1664
02-23-96 14:00	0.2	1683	1813
02-23-96 15:00	0.7	1657	1770
02-23-96 16:00	1.8	1645	1752
02-23-96 17:00	1.5	1773	1884
02-23-96 18:00	1.4	1785	1920
02-23-96 19:00	1.3	1536	1668
02-23-96 20:00	1.4	1437	1590
02-23-96 21:00	0.1	1741	1797
02-23-96 22:00	0.8	1700	1781
02-23-96 23:00	1.0	1659	1690
02-24-96 00:00	1.1	1565	1645
02-24-96 01:00	1.5	1473	1542
02-24-96 02:00	1.1	1638	1718
02-24-96 03:00	1.3	1586	1682
02-24-96 04:00	1.2	1572	1601
02-24-96 05:00	2.1	1082	1415
02-24-96 06:00	3.2	1218	958
02-24-96 07:00	1.7	723	674
02-24-96 08:00	0.0	571	579

Fire with Treated fuel 6:00 - 2-21-96 to
19:00 - 2-23-96
Total - 15/hr burn = 7,318 lb/hr

Temperature
violations

Process Down

Koppers Industries
Tie Plant Road
Daily Summary

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FROM 01/01/96 00:00 TO 04/01/96 23:59

Date/ Time	Opacity %	Cell 1 F	Cell 2 F
02-24-96 09:00	0.0	552	563
02-24-96 10:00	0.0	522	535
02-24-96 11:00	0.0	498	510
02-24-96 12:00	0.0	477	490
02-24-96 13:00	0.0	460	473
02-24-96 14:00	0.0	444	458
02-24-96 15:00	0.0	430	444
02-24-96 16:00	0.0	416	431
02-24-96 17:00	0.0	403	418
02-24-96 18:00	0.0	390	406
02-24-96 19:00	0.0	377	393
02-24-96 20:00	0.0	365	381
02-24-96 21:00	0.0	354	371
02-24-96 22:00	0.0	344	360
02-24-96 23:00	0.0	334	351
02-25-96 00:00	0.0	326	343
02-25-96 01:00	0.0	318	336
02-25-96 02:00	0.0	311	329
02-25-96 03:00	0.0	304	322
02-25-96 04:00	0.0	297	316
02-25-96 05:00	0.0	291	310
02-25-96 06:00	0.0	285	305
02-25-96 07:00	0.8	280	300
02-25-96 08:00	0.0	276	296
02-25-96 09:00	0.0	273	293
02-25-96 10:00	0.0	270	291
02-25-96 11:00	0.0	266	288
02-25-96 12:00	0.0	263	285
02-25-96 13:00	0.0	260	282
02-25-96 14:00	0.0	257	279
02-25-96 15:00	0.0	254	277
02-25-96 16:00	0.0	252	274
02-25-96 17:00	0.0	248	271
02-25-96 18:00	0.0	246	269
02-25-96 19:00	0.0	243	266
02-25-96 20:00	0.0	240	264
02-25-96 21:00	0.0	237	261
02-25-96 22:00	0.0	235	258
02-25-96 23:00	0.0	232	256
02-26-96 00:00	0.0	230	254
02-26-96 01:00	0.0	228	252
02-26-96 02:00	0.0	226	251
02-26-96 03:00	0.0	224	248
02-26-96 04:00	0.0	223	247
02-26-96 05:00	6.6	224	246

Koppers Industries
Tie Plant Road
Daily Summary

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FROM 01/01/96 00:00 TO 04/01/96 23:59

Date/ Time	Opacity %	Cell 1 F	Cell 2 F
02-26-96 06:00	5.9	1142	1227
02-26-96 07:00	1.9	1289	1328
02-26-96 08:00	1.6	1211	1226
02-26-96 09:00	1.5	1130	1217
02-26-96 10:00	1.4	1055	1110
02-26-96 11:00	1.8	986	1050
02-26-96 12:00	1.9	1027	1102
02-26-96 13:00	1.3	1040	1081
02-26-96 14:00	1.4	965	972
02-26-96 15:00	3.7	908	923
02-26-96 16:00	6.5	861	844
02-26-96 17:00	4.5	1265	1393
02-26-96 18:00	2.1	1381	1473
02-26-96 19:00	0.6	1237	1263
02-26-96 20:00	0.2	997	1024
02-26-96 21:00	0.5	949	964
02-26-96 22:00	0.5	938	970
02-26-96 23:00	2.1	1043	1134
02-27-96 00:00	0.6	1188	1248
02-27-96 01:00	0.2	1132	1168
02-27-96 02:00	0.0	1188	1235
02-27-96 03:00	0.8	1203	1291
02-27-96 04:00	0.7	1090	1154
02-27-96 05:00	6.9	1015	983
02-27-96 06:00	3.4	1039	1196
02-27-96 07:00	2.6	1432	1354
02-27-96 08:00	1.5	1331	1376
02-27-96 09:00	2.0	1407	1531
02-27-96 10:00	2.3	1393	1433
02-27-96 11:00	1.8	1413	1378
02-27-96 12:00	1.0	1443	1301
02-27-96 13:00	0.4	1304	1330
02-27-96 14:00	3.0	1352	1422
02-27-96 15:00	5.8	1238	1233
02-27-96 16:00	2.2	1086	1212
02-27-96 17:00	5.2	1107	1064
02-27-96 18:00	0.2	1165	1199
02-27-96 19:00	9.9	1210	1298
02-27-96 20:00	2.3	1253	1345
02-27-96 21:00	1.6	1254	1316
02-27-96 22:00	1.3	1227	1238
02-27-96 23:00	1.1	1306	1359
02-28-96 00:00	1.9	1330	1427
02-28-96 01:00	3.0	1350	1447
02-28-96 02:00	3.4	1266	1321

Process up



Koppers Industries
Tie Plant Road
Daily Summary

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FROM 01/01/96 00:00 TO 04/01/96 23:59

Date/ Time	Opacity %	Cell 1 F	Cell 2 F
02-28-96 03:00	2.5	1140	1229
02-28-96 04:00	1.0	1198	1225
02-28-96 05:00	4.6	1202	1235
02-28-96 06:00	2.5	1302	1400
02-28-96 07:00	4.9	1376	1513
02-28-96 08:00	3.0	1378	1489
02-28-96 09:00	2.2	1239	1344
02-28-96 10:00	1.9	1152	1228
02-28-96 11:00	4.3	1369	1493
02-28-96 12:00	2.3	1221	1344
02-28-96 13:00	3.2	1330	1252
02-28-96 14:00	2.6	1296	1387
02-28-96 15:00	6.7	1330	1503
02-28-96 16:00	3.6	1358	1520
02-28-96 17:00	2.1	1228	1363
02-28-96 18:00	3.0	1337	1476
02-28-96 19:00	2.1	1236	1373
02-28-96 20:00	2.4	1280	1419
02-28-96 21:00	2.9	1359	1490
02-28-96 22:00	4.4	1352	1461
02-28-96 23:00	3.7	567	609
02-29-96 00:00	24.3	792	768
02-29-96 01:00	3.1	572	574
02-29-96 02:00	0.0	500	521
02-29-96 03:00	0.0	463	484
02-29-96 04:00	0.4	435	457
02-29-96 05:00	0.1	400	423
02-29-96 06:00	0.0	350	367
02-29-96 07:00	3.1	335	348
02-29-96 08:00	4.3	1098	1176
02-29-96 09:00	1.9	1111	1168
02-29-96 10:00	3.8	1186	1231
02-29-96 11:00	0.6	670	693
02-29-96 12:00	5.9	562	635
02-29-96 13:00	1.5	1224	1312
02-29-96 14:00	0.9	1228	1307
02-29-96 15:00	2.9	1137	1243
02-29-96 16:00	1.5	1133	1245
02-29-96 17:00	3.7	1328	1479
02-29-96 18:00	2.3	1298	1432
02-29-96 19:00	3.5	1292	1454
02-29-96 20:00	1.6	1246	1394
02-29-96 21:00	1.9	1275	1402
02-29-96 22:00	8.7	1134	987
02-29-96 23:00	7.0	1217	1120



FROM 01/01/96 00:00 TO 04/01/96 23:59

Date/ Time	Opacity %	Cell 1 F	Cell 2 F
03-01-96 00:00	4.2	1394	1504
03-01-96 01:00	5.0	1451	1422
03-01-96 02:00	4.4	1439	1340
03-01-96 03:00	2.4	1336	1230
03-01-96 04:00	2.2	1327	1240
03-01-96 05:00	8.7	1108	1065
03-01-96 06:00	5.1	1421	1238
03-01-96 07:00	2.7	1234	1167
03-01-96 08:00	2.0	1209	1121
03-01-96 09:00	3.8	1292	1239
03-01-96 10:00	3.3	1269	1182
03-01-96 11:00	6.0	1252	845
03-01-96 12:00	2.6	1230	1098
03-01-96 13:00	2.7	1191	1064
03-01-96 14:00	2.7	1188	1071
03-01-96 15:00	3.7	1207	1112
03-01-96 16:00	6.5	1056	1245
03-01-96 17:00	3.7	1235	1378
03-01-96 18:00	4.3	1255	1397
03-01-96 19:00	3.9	1246	1391
03-01-96 20:00	3.8	1238	1395
03-01-96 21:00	3.1	1110	1224
03-01-96 22:00	2.6	1095	1215
03-01-96 23:00	2.6	1085	1177
03-02-96 00:00	4.0	1244	1358
03-02-96 01:00	2.3	1151	1222
03-02-96 02:00	3.3	1163	1242
03-02-96 03:00	2.3	1051	1110
03-02-96 04:00	3.0	1037	1122
03-02-96 05:00	4.3	1048	1095
03-02-96 06:00	2.3	1042	1082
03-02-96 07:00	13.9	557	696
03-02-96 08:00	8.2	440	466
03-02-96 09:00	0.0	453	467
03-02-96 10:00	0.9	432	445
03-02-96 11:00	0.0	413	427
03-02-96 12:00	0.0	397	411
03-02-96 13:00	0.0	383	397
03-02-96 14:00	0.0	371	385
03-02-96 15:00	0.0	360	375
03-02-96 16:00	0.0	351	366
03-02-96 17:00	0.0	342	356
03-02-96 18:00	0.0	333	347
03-02-96 19:00	0.0	322	338
03-02-96 20:00	0.0	313	329

Process Down

FROM 01/01/96 00:00 TO 04/01/96 23:59

Date/ Time	Opacity %	Cell 1 F	Cell 2 F
03-02-96 21:00	0.0	305	321
03-02-96 22:00	0.0	298	315
03-02-96 23:00	0.0	291	308
03-03-96 00:00	0.0	285	302
03-03-96 01:00	0.0	279	296
03-03-96 02:00	0.0	274	292
03-03-96 03:00	0.0	269	287
03-03-96 04:00	0.0	264	283
03-03-96 05:00	0.0	260	278
03-03-96 06:00	0.0	255	275
03-03-96 07:00	0.0	251	271
03-03-96 08:00	0.0	248	268
03-03-96 09:00	0.0	244	265
03-03-96 10:00	0.8	241	263
03-03-96 11:00	0.0	238	260
03-03-96 12:00	0.0	236	258
03-03-96 13:00	0.0	234	256
03-03-96 14:00	0.0	231	255
03-03-96 15:00	0.0	229	253
03-03-96 16:00	0.0	227	251
03-03-96 17:00	0.0	225	249
03-03-96 18:00	0.0	223	247
03-03-96 19:00	0.0	221	244
03-03-96 20:00	0.0	218	242
03-03-96 21:00	0.0	216	239
03-03-96 22:00	0.0	214	237
03-03-96 23:00	0.0	212	235
03-04-96 00:00	0.0	209	233
03-04-96 01:00	0.0	208	231
03-04-96 02:00	0.0	206	229
03-04-96 03:00	0.0	204	228
03-04-96 04:00	0.0	202	226
03-04-96 05:00	47.8	251	285
03-04-96 06:00	72.5	247	281
03-04-96 07:00	67.6	248	271
03-04-96 08:00	56.7	238	260
03-04-96 09:00	45.7	233	257
03-04-96 10:00	30.6	237	261
03-04-96 11:00	27.2	949	1213
03-04-96 12:00	8.5	1364	1590
03-04-96 13:00	6.0	1283	1537
03-04-96 14:00	6.6	1412	1655
03-04-96 15:00	6.4	1358	1605
03-04-96 16:00	5.7	1343	1602
03-04-96 17:00	5.6	1426	1665

Process up

Opacity
Violations

FROM 01/01/96 00:00 TO 04/01/96 23:59

Date/ Time	Opacity %	Cell 1 F	Cell 2 F
03-04-96 18:00	5.0	1378	1600
03-04-96 19:00	5.3	1445	1651
03-04-96 20:00	5.0	1366	1561
03-04-96 21:00	6.9	1437	1646
03-04-96 22:00	5.2	1358	1566
03-04-96 23:00	4.7	1334	1506
03-05-96 00:00	4.0	1276	1446
03-05-96 01:00	6.3	1415	1605
03-05-96 02:00	6.8	1445	1616
03-05-96 03:00	4.4	1358	1519
03-05-96 04:00	5.6	1416	1585
03-05-96 05:00	8.1	1233	1353
03-05-96 06:00	9.3	1396	1594
03-05-96 07:00	5.5	1395	1580
03-05-96 08:00	5.0	1359	1496
03-05-96 09:00	4.9	1363	1507
03-05-96 10:00	6.0	1438	1586
03-05-96 11:00	5.8	1426	1586
03-05-96 12:00	4.9	1404	1547
03-05-96 13:00	4.8	1413	1559
03-05-96 14:00	5.5	1451	1613
03-05-96 15:00	3.5	1351	1322
03-05-96 16:00	3.6	1277	1399
03-05-96 17:00	3.8	1284	1412
03-05-96 18:00	3.7	1300	1442
03-05-96 19:00	3.0	1239	1378
03-05-96 20:00	3.6	1260	1398
03-05-96 21:00	5.1	1316	1453
03-05-96 22:00	4.9	1414	1564
03-05-96 23:00	3.6	1336	1461
03-06-96 00:00	4.1	1304	1438
03-06-96 01:00	5.6	1386	1530
03-06-96 02:00	6.3	1485	1635
03-06-96 03:00	13.4	1411	1547
03-06-96 04:00	4.8	1380	1496
03-06-96 05:00	7.4	1305	1375
03-06-96 06:00	16.0	1397	1587
03-06-96 07:00	2.8	1344	1493
03-06-96 08:00	2.5	1312	1451
03-06-96 09:00	2.1	1327	1442
03-06-96 10:00	3.1	1299	1428
03-06-96 11:00	3.6	1280	1438
03-06-96 12:00	3.0	1197	1326
03-06-96 13:00	1.7	1081	1188
03-06-96 14:00	2.1	1080	1170

FROM 01/01/96 00:00 TO 04/01/96 23:59

Date/ Time	Opacity %	Cell 1 F	Cell 2 F
03-06-96 15:00	2.4	1126	1245
03-06-96 16:00	2.4	1274	1422
03-06-96 17:00	2.3	1198	1333
03-06-96 18:00	5.4	1259	1427
03-06-96 19:00	4.2	1276	1423
03-06-96 20:00	4.1	1235	1367
03-06-96 21:00	3.8	1246	1381
03-06-96 22:00	6.4	1413	1577
03-06-96 23:00	4.3	1418	1568
03-07-96 00:00	3.5	1356	1522
03-07-96 01:00	5.1	1446	1592
03-07-96 02:00	2.5	1277	1405
03-07-96 03:00	2.2	1188	1292
03-07-96 04:00	4.1	1269	1376
03-07-96 05:00	10.2	1178	1247
03-07-96 06:00	5.3	1320	1212
03-07-96 07:00	4.3	1164	1257
03-07-96 08:00	4.1	1164	1217
03-07-96 09:00	5.0	1269	1367
03-07-96 10:00	6.2	1324	1451
03-07-96 11:00	5.4	1330	1444
03-07-96 12:00	3.9	1334	1425
03-07-96 13:00	4.8	1273	1358
03-07-96 14:00	5.0	1340	1448
03-07-96 15:00	4.6	1290	1367
03-07-96 16:00	6.4	1376	1499
03-07-96 17:00	4.4	741	760
03-07-96 18:00	2.5	387	421
03-07-96 19:00	1.2	316	352
03-07-96 20:00	21.4	551	556
03-07-96 21:00	13.1	704	810
03-07-96 22:00	12.3	746	750
03-07-96 23:00	18.6	1076	820
03-08-96 00:00	9.3	1646	1755
03-08-96 01:00	7.6	1730	1806
03-08-96 02:00	6.5	1695	1712
03-08-96 03:00	4.9	1544	1549
03-08-96 04:00	4.9	1436	1445
03-08-96 05:00	8.4	1353	1343
03-08-96 06:00	5.2	1252	1342
03-08-96 07:00	4.2	1244	1325
03-08-96 08:00	4.0	1238	1250
03-08-96 09:00	3.5	1254	1380
03-08-96 10:00	4.8	1287	1433
03-08-96 11:00	3.2	1243	1313

FROM 01/01/96 00:00 TO 04/01/96 23:59

Date/ Time	Opacity %	Cell 1 F	Cell 2 F
03-08-96 12:00	2.2	1084	1146
03-08-96 13:00	2.3	1056	1132
03-08-96 14:00	3.9	1201	1329
03-08-96 15:00	4.5	1347	1495
03-08-96 16:00	2.6	1256	1389
03-08-96 17:00	2.9	1294	1445
03-08-96 18:00	1.7	1141	1224
03-08-96 19:00	4.2	1297	1452
03-08-96 20:00	2.3	1241	1343
03-08-96 21:00	2.3	1094	1211
03-08-96 22:00	4.6	1320	1482
03-08-96 23:00	3.3	1346	1506
03-09-96 00:00	1.6	1195	1288
03-09-96 01:00	1.6	1188	1265
03-09-96 02:00	1.4	1125	1207
03-09-96 03:00	1.4	1111	1173
03-09-96 04:00	1.4	1038	1075
03-09-96 05:00	5.3	1121	1188
03-09-96 06:00	3.7	970	1077
03-09-96 07:00	2.8	656	1049
03-09-96 08:00	6.5	536	707
03-09-96 09:00	0.0	446	486
03-09-96 10:00	0.8	422	456
03-09-96 11:00	0.0	400	433
03-09-96 12:00	0.0	384	415
03-09-96 13:00	0.0	371	401
03-09-96 14:00	0.0	360	388
03-09-96 15:00	0.0	349	376
03-09-96 16:00	0.0	339	366
03-09-96 17:00	0.0	330	356
03-09-96 18:00	0.0	321	346
03-09-96 19:00	0.0	312	337
03-09-96 20:00	0.0	304	328
03-09-96 21:00	0.0	295	320
03-09-96 22:00	0.0	288	313
03-09-96 23:00	0.0	281	305
03-10-96 00:00	0.0	275	299
03-10-96 01:00	0.0	269	293
03-10-96 02:00	0.0	263	287
03-10-96 03:00	0.0	258	282
03-10-96 04:00	0.0	254	278
03-10-96 05:00	0.0	249	273
03-10-96 06:00	0.0	245	269
03-10-96 07:00	0.0	242	266
03-10-96 08:00	0.0	240	263

Process Down



FROM 01/01/96 00:00 TO 04/01/96 23:59

Date/ Time	Opacity %	Cell 1 F	Cell 2 F
03-10-96 09:00	0.0	238	262
03-10-96 10:00	0.8	235	260
03-10-96 11:00	0.0	233	258
03-10-96 12:00	0.0	231	256
03-10-96 13:00	0.0	229	254
03-10-96 14:00	0.0	227	252
03-10-96 15:00	0.0	225	250
03-10-96 16:00	0.0	223	248
03-10-96 17:00	0.0	221	247
03-10-96 18:00	0.0	219	245
03-10-96 19:00	0.0	216	242
03-10-96 20:00	0.0	214	239
03-10-96 21:00	0.0	211	237
03-10-96 22:00	0.0	209	234
03-10-96 23:00	0.0	207	232
03-11-96 00:00	0.0	205	230
03-11-96 01:00	0.0	203	228
03-11-96 02:00	0.0	201	226
03-11-96 03:00	0.0	199	224
03-11-96 04:00	0.0	198	223
03-11-96 05:00	21.0	610	680
03-11-96 06:00	5.4	1247	1410
03-11-96 07:00	4.2	1219	1391
03-11-96 08:00	3.5	1234	1412
03-11-96 09:00	4.6	1281	1466
03-11-96 10:00	4.1	1195	1345
03-11-96 11:00	5.3	1314	1493
03-11-96 12:00	4.1	1390	1566
03-11-96 13:00	5.2	1486	1664
03-11-96 14:00	3.8	1415	1553
03-11-96 15:00	4.5	1441	1581
03-11-96 16:00	2.7	1312	1428
03-11-96 17:00	2.2	1270	1363
03-11-96 18:00	2.3	1194	1270
03-11-96 19:00	3.0	1281	1352
03-11-96 20:00	5.1	1482	1609
03-11-96 21:00	4.3	1444	1585
03-11-96 22:00	4.1	1419	1533
03-11-96 23:00	4.9	1457	1585
03-12-96 00:00	4.5	1437	1552
03-12-96 01:00	4.7	1464	1586
03-12-96 02:00	3.8	1455	1557
03-12-96 03:00	5.2	1611	1721
03-12-96 04:00	4.4	1514	1424
03-12-96 05:00	6.8	1337	1412

Process up

FROM 01/01/96 00:00 TO 04/01/96 23:59

Date/ Time	Opacity %	Cell 1 F	Cell 2 F
03-12-96 06:00	4.2	1424	1539
03-12-96 07:00	4.5	1422	1503
03-12-96 08:00	4.7	1430	1550
03-12-96 09:00	4.2	1339	1466
03-12-96 10:00	2.1	1488	1598
03-12-96 11:00	2.6	1350	1472
03-12-96 12:00	5.4	1477	1631
03-12-96 13:00	3.4	1457	1584
03-12-96 14:00	4.7	1390	1517
03-12-96 15:00	3.1	1402	1487
03-12-96 16:00	2.6	1326	1388
03-12-96 17:00	3.1	1343	1399
03-12-96 18:00	2.4	1250	1294
03-12-96 19:00	2.1	1250	1300
03-12-96 20:00	2.5	1222	1283
03-12-96 21:00	4.6	1320	1406
03-12-96 22:00	4.9	1482	1571
03-12-96 23:00	3.9	1428	1500
03-13-96 00:00	5.7	1481	1563
03-13-96 01:00	5.4	1525	1581
03-13-96 02:00	3.1	1365	1405
03-13-96 03:00	3.1	1284	1313
03-13-96 04:00	3.5	1274	1270
03-13-96 05:00	9.0	1235	1274
03-13-96 06:00	8.5	1287	1423
03-13-96 07:00	3.1	1244	1396
03-13-96 08:00	2.2	1184	1294
03-13-96 09:00	4.1	1281	1389
03-13-96 10:00	3.9	1430	1547
03-13-96 11:00	3.5	1256	1373
03-13-96 12:00	2.7	1255	1344
03-13-96 13:00	3.6	1317	1432
03-13-96 14:00	3.2	960	998
03-13-96 15:00	2.7	715	774
03-13-96 16:00	4.5	1444	1618
03-13-96 17:00	2.4	1289	1398
03-13-96 18:00	1.8	1263	1355
03-13-96 19:00	2.1	1241	1344
03-13-96 20:00	2.5	1304	1408
03-13-96 21:00	1.6	1134	1205
03-13-96 22:00	3.7	1327	1416
03-13-96 23:00	1.8	1222	1292
03-14-96 00:00	2.1	1240	1306
03-14-96 01:00	2.2	1289	1347
03-14-96 02:00	2.9	1240	1312

FROM 01/01/96 00:00 TO 04/01/96 23:59

Date/ Time	Opacity %	Cell 1 F	Cell 2 F
03-14-96 03:00	2.7	1273	1352
03-14-96 04:00	3.3	1244	1246
03-14-96 05:00	5.2	1180	1271
03-14-96 06:00	4.8	1419	1469
03-14-96 07:00	3.5	1370	1447
03-14-96 08:00	1.9	1254	1258
03-14-96 09:00	1.6	1063	1139
03-14-96 10:00	1.4	1170	1242
03-14-96 11:00	3.4	1230	1321
03-14-96 12:00	3.4	1275	1331
03-14-96 13:00	5.9	1428	1570
03-14-96 14:00	3.2	1178	1262
03-14-96 15:00	3.6	1153	1257
03-14-96 16:00	3.9	1228	1333
03-14-96 17:00	2.5	1008	1083
03-14-96 18:00	2.5	1052	1141
03-14-96 19:00	3.1	1121	1222
03-14-96 20:00	3.2	1170	1312
03-14-96 21:00	3.5	1188	1332
03-14-96 22:00	4.6	1239	1407
03-14-96 23:00	5.2	1326	1525
03-15-96 00:00	2.8	1095	1204
03-15-96 01:00	3.1	1044	1134
03-15-96 02:00	3.4	1188	1320
03-15-96 03:00	4.5	1110	1231
03-15-96 04:00	6.1	1288	1448
03-15-96 05:00	9.5	1110	1201
03-15-96 06:00	7.2	1222	1284
03-15-96 07:00	4.9	1187	1307
03-15-96 08:00	5.3	1229	1369
03-15-96 09:00	5.1	1289	1422
03-15-96 10:00	4.7	1218	1327
03-15-96 11:00	6.5	1253	1398
03-15-96 12:00	5.1	1293	1454
03-15-96 13:00	5.8	1285	1454
03-15-96 14:00	4.2	1220	1354
03-15-96 15:00	8.4	1216	1320
03-15-96 16:00	3.3	1114	1170
03-15-96 17:00	4.0	1206	1331
03-15-96 18:00	3.6	1202	1322
03-15-96 19:00	3.5	1216	1325
03-15-96 20:00	4.1	1288	1383
03-15-96 21:00	3.3	1191	1285
03-15-96 22:00	4.0	1224	1313
03-15-96 23:00	2.9	1170	1272

FROM 01/01/96 00:00 TO 04/01/96 23:59

Date/ Time	Opacity %	Cell 1 F	Cell 2 F
03-16-96 00:00	3.0	1137	1235
03-16-96 01:00	4.8	1253	1364
03-16-96 02:00	2.8	1082	1143
03-16-96 03:00	3.7	1075	1143
03-16-96 04:00	22.2	1088	1190
03-16-96 05:00	5.4	1066	1141
03-16-96 06:00	2.9	1114	1213
03-16-96 07:00	6.2	852	898
03-16-96 08:00	0.1	506	517
03-16-96 09:00	0.1	479	491
03-16-96 10:00	0.1	451	464
03-16-96 11:00	0.0	430	442
03-16-96 12:00	0.0	411	425
03-16-96 13:00	0.0	396	410
03-16-96 14:00	0.0	383	397
03-16-96 15:00	0.0	371	385
03-16-96 16:00	0.0	361	375
03-16-96 17:00	0.0	350	365
03-16-96 18:00	0.0	340	355
03-16-96 19:00	0.0	330	345
03-16-96 20:00	0.0	321	336
03-16-96 21:00	0.0	313	329
03-16-96 22:00	0.0	305	321
03-16-96 23:00	0.0	297	314
03-17-96 00:00	0.0	291	309
03-17-96 01:00	0.0	285	304
03-17-96 02:00	0.0	280	299
03-17-96 03:00	0.0	274	294
03-17-96 04:00	0.0	269	289
03-17-96 05:00	0.0	265	285
03-17-96 06:00	0.0	261	281
03-17-96 07:00	0.9	257	278
03-17-96 08:00	0.0	253	275
03-17-96 09:00	0.0	250	272
03-17-96 10:00	0.0	248	271
03-17-96 11:00	0.0	246	269
03-17-96 12:00	0.0	243	267
03-17-96 13:00	0.0	241	265
03-17-96 14:00	0.0	238	263
03-17-96 15:00	0.0	236	260
03-17-96 16:00	0.0	234	258
03-17-96 17:00	0.0	232	256
03-17-96 18:00	0.0	230	254
03-17-96 19:00	0.0	227	252
03-17-96 20:00	0.0	225	250

Process Down

FROM 01/01/96 00:00 TO 04/01/96 23:59

Date/ Time	Opacity %	Cell 1 F	Cell 2 F
03-17-96 21:00	0.0	223	248
03-17-96 22:00	0.0	221	246
03-17-96 23:00	0.0	219	244
03-18-96 00:00	0.0	217	242
03-18-96 01:00	0.0	215	240
03-18-96 02:00	0.0	213	238
03-18-96 03:00	0.0	212	237
03-18-96 04:00	0.0	210	235
03-18-96 05:00	22.5	445	589
03-18-96 06:00	14.8	1016	1121
03-18-96 07:00	10.0	1065	1248
03-18-96 08:00	5.4	1206	1371
03-18-96 09:00	5.9	1244	1424
03-18-96 10:00	4.4	1187	1339
03-18-96 11:00	8.3	1190	1350
03-18-96 12:00	2.6	1111	1221
03-18-96 13:00	4.9	1168	1112
03-18-96 14:00	2.6	1080	1191
03-18-96 15:00	8.1	1172	1301
03-18-96 16:00	8.1	1312	1498
03-18-96 17:00	3.2	1185	1353
03-18-96 18:00	3.0	1187	1334
03-18-96 19:00	2.8	1063	1189
03-18-96 20:00	2.7	1099	1240
03-18-96 21:00	4.4	1293	1485
03-18-96 22:00	5.5	1356	1557
03-18-96 23:00	3.7	1268	1358
03-19-96 00:00	3.4	1204	1322
03-19-96 01:00	3.5	1160	1281
03-19-96 02:00	4.8	1347	1518
03-19-96 03:00	3.1	1229	1362
03-19-96 04:00	3.4	1185	1321
03-19-96 05:00	9.2	1311	1293
03-19-96 06:00	12.9	1188	1433
03-19-96 07:00	3.5	1340	1441
03-19-96 08:00	2.9	1242	1272
03-19-96 09:00	3.1	1240	1341
03-19-96 10:00	4.1	1300	1425
03-19-96 11:00	5.0	1476	1632
03-19-96 12:00	3.6	1312	1417
03-19-96 13:00	3.6	1386	1519
03-19-96 14:00	4.0	1371	1491
03-19-96 15:00	3.6	1356	1470
03-19-96 16:00	3.6	1423	1492
03-19-96 17:00	3.7	1396	1455

Process UP



FROM 01/01/96 00:00 TO 04/01/96 23:59

Date/ Time	Opacity %	Cell 1 F	Cell 2 F
03-19-96 18:00	3.9	1381	1490
03-19-96 19:00	4.2	1387	1530
03-19-96 20:00	6.1	1473	1653
03-19-96 21:00	4.8	1535	1686
03-19-96 22:00	5.1	1467	1634
03-19-96 23:00	4.5	1478	1615
03-20-96 00:00	5.8	1566	1766
03-20-96 01:00	4.4	1466	1605
03-20-96 02:00	3.3	1328	1386
03-20-96 03:00	4.5	1401	1500
03-20-96 04:00	5.2	1510	1601
03-20-96 05:00	6.4	1282	1443
03-20-96 06:00	4.1	1313	1469
03-20-96 07:00	3.4	1195	1357
03-20-96 08:00	5.4	1066	1182
03-20-96 09:00	3.9	1208	1262
03-20-96 10:00	5.0	1262	1418
03-20-96 11:00	5.1	1348	1444
03-20-96 12:00	5.6	1401	1552
03-20-96 13:00	5.2	1321	1457
03-20-96 14:00	4.1	1251	1343
03-20-96 15:00	5.2	1355	1430
03-20-96 16:00	5.6	1358	1488
03-20-96 17:00	5.0	1430	1555
03-20-96 18:00	4.1	1312	1370
03-20-96 19:00	4.2	1278	1387
03-20-96 20:00	5.0	1273	1434
03-20-96 21:00	5.3	1401	1595
03-20-96 22:00	4.0	1371	1473
03-20-96 23:00	4.0	1466	1584
03-21-96 00:00	3.5	1406	1510
03-21-96 01:00	3.3	1347	1480
03-21-96 02:00	3.6	1380	1501
03-21-96 03:00	3.0	1256	1338
03-21-96 04:00	3.6	1329	1435
03-21-96 05:00	10.2	1248	1232
03-21-96 06:00	4.7	1179	1290
03-21-96 07:00	2.5	1245	1383
03-21-96 08:00	4.3	1198	1300
03-21-96 09:00	11.5	1140	1223
03-21-96 10:00	2.7	1341	1490
03-21-96 11:00	1.3	1256	1325
03-21-96 12:00	2.0	1385	1528
03-21-96 13:00	3.5	1331	1241
03-21-96 14:00	7.2	1412	928

FROM 01/01/96 00:00 TO 04/01/96 23:59

Date/ Time	Opacity %	Cell 1 F	Cell 2 F
03-21-96 15:00	2.8	1347	1500
03-21-96 16:00	1.8	1299	1419
03-21-96 17:00	1.4	1339	1462
03-21-96 18:00	1.3	1256	1355
03-21-96 19:00	0.7	1291	1377
03-21-96 20:00	1.5	1308	1435
03-21-96 21:00	1.7	1334	1464
03-21-96 22:00	2.2	1335	1476
03-21-96 23:00	1.8	1284	1408
03-22-96 00:00	1.1	1107	1153
03-22-96 01:00	1.8	1091	1164
03-22-96 02:00	2.1	1231	1369
03-22-96 03:00	2.6	1196	1319
03-22-96 04:00	3.4	1322	1444
03-22-96 05:00	8.4	1323	1525
03-22-96 06:00	2.8	1310	1527
03-22-96 07:00	4.0	1334	1534
03-22-96 08:00	5.6	1289	1497
03-22-96 09:00	2.2	1086	1172
03-22-96 10:00	2.1	1046	1104
03-22-96 11:00	2.2	1089	1138
03-22-96 12:00	2.6	1242	1362
03-22-96 13:00	3.3	1269	1433
03-22-96 14:00	2.2	1206	1257
03-22-96 15:00	4.2	1279	1398
03-22-96 16:00	3.2	1311	1499
03-22-96 17:00	3.0	1199	1349
03-22-96 18:00	2.2	1168	1269
03-22-96 19:00	2.1	1096	1153
03-22-96 20:00	3.1	1090	1210
03-22-96 21:00	2.7	1155	1261
03-22-96 22:00	3.9	1176	1279
03-22-96 23:00	2.9	1225	1313
03-23-96 00:00	2.8	1162	1259
03-23-96 01:00	2.8	1049	1104
03-23-96 02:00	2.8	1070	1108
03-23-96 03:00	3.2	1014	1038
03-23-96 04:00	2.7	982	1005
03-23-96 05:00	8.2	912	937
03-23-96 06:00	6.5	553	562
03-23-96 07:00	0.0	465	470
03-23-96 08:00	0.0	436	442
03-23-96 09:00	0.0	415	422
03-23-96 10:00	0.9	397	407
03-23-96 11:00	0.0	383	394

FROM 01/01/96 00:00 TO 04/01/96 23:59

Date/ Time	Opacity %	Cell 1 F	Cell 2 F
03-23-96 12:00	0.0	370	381
03-23-96 13:00	0.0	359	371
03-23-96 14:00	0.0	349	361
03-23-96 15:00	0.0	340	352
03-23-96 16:00	0.0	331	343
03-23-96 17:00	0.0	323	336
03-23-96 18:00	0.0	316	328
03-23-96 19:00	0.0	308	321
03-23-96 20:00	0.0	300	313
03-23-96 21:00	0.0	293	307
03-23-96 22:00	0.0	287	301
03-23-96 23:00	0.0	282	296
03-24-96 00:00	0.0	276	291
03-24-96 01:00	0.0	272	287
03-24-96 02:00	0.0	267	282
03-24-96 03:00	0.0	262	279
03-24-96 04:00	0.0	258	275
03-24-96 05:00	0.0	254	272
03-24-96 06:00	0.0	251	269
03-24-96 07:00	0.0	248	266
03-24-96 08:00	0.0	245	264
03-24-96 09:00	0.0	242	262
03-24-96 10:00	0.9	240	260
03-24-96 11:00	0.0	237	258
03-24-96 12:00	0.0	235	256
03-24-96 13:00	0.0	232	254
03-24-96 14:00	0.0	230	252
03-24-96 15:00	0.0	228	251
03-24-96 16:00	0.0	227	250
03-24-96 17:00	0.0	225	248
03-24-96 18:00	0.0	224	247
03-24-96 19:00	0.0	222	245
03-24-96 20:00	0.0	220	244
03-24-96 21:00	0.0	217	240
03-24-96 22:00	0.0	216	239
03-24-96 23:00	0.0	214	238
03-25-96 00:00	0.0	212	236
03-25-96 01:00	0.0	211	235
03-25-96 02:00	0.0	210	234
03-25-96 03:00	0.0	209	233
03-25-96 04:00	0.0	207	232
03-25-96 05:00	23.4	786	994
03-25-96 06:00	8.3	1504	1757
03-25-96 07:00	5.8	1503	1724
03-25-96 08:00	6.0	1468	1669

Process UP

FROM 01/01/96 00:00 TO 04/01/96 23:59

Date/ Time	Opacity %	Cell 1 F	Cell 2 F
03-25-96 09:00	4.9	1368	1505
03-25-96 10:00	5.5	1357	1525
03-25-96 11:00	5.0	1335	1450
03-25-96 12:00	4.0	1283	1425
03-25-96 13:00	4.2	1299	1414
03-25-96 14:00	3.6	1256	1373
03-25-96 15:00	3.2	1183	1294
03-25-96 16:00	4.6	1231	1384
03-25-96 17:00	3.7	1183	1314
03-25-96 18:00	3.2	1162	1276
03-25-96 19:00	3.2	1104	1192
03-25-96 20:00	3.8	1084	1203
03-25-96 21:00	4.3	1279	1449
03-25-96 22:00	4.0	1183	1314
03-25-96 23:00	3.9	1157	1269
03-26-96 00:00	3.9	1145	1254
03-26-96 01:00	3.8	1013	1104
03-26-96 02:00	3.6	1083	1195
03-26-96 03:00	3.6	1103	1207
03-26-96 04:00	4.7	1178	1316
03-26-96 05:00	9.4	1216	1378
03-26-96 06:00	4.0	1205	1355
03-26-96 07:00	0.3	648	651
03-26-96 08:00	0.0	539	544
03-26-96 09:00	12.6	532	583
03-26-96 10:00	5.9	1324	1491
03-26-96 11:00	4.0	1244	1365
03-26-96 12:00	3.6	1220	1328
03-26-96 13:00	4.0	1203	1316
03-26-96 14:00	3.2	1169	1201
03-26-96 15:00	3.8	1134	1180
03-26-96 16:00	3.8	1107	1149
03-26-96 17:00	3.3	1169	1259
03-26-96 18:00	3.5	1196	1321
03-26-96 19:00	3.8	1251	1393
03-26-96 20:00	4.1	1358	1501
03-26-96 21:00	4.5	1336	1463
03-26-96 22:00	3.7	1319	1429
03-26-96 23:00	3.6	1336	1433
03-27-96 00:00	3.8	1285	1392
03-27-96 01:00	3.3	1325	1388
03-27-96 02:00	3.1	1262	1309
03-27-96 03:00	2.6	1265	1290
03-27-96 04:00	4.3	1338	1393
03-27-96 05:00	8.5	1177	1307

FROM 01/01/96 00:00 TO 04/01/96 23:59

Date/ Time	Opacity %	Cell 1 F	Cell 2 F
03-27-96 06:00	2.0	1269	1341
03-27-96 07:00	2.5	1232	1319
03-27-96 08:00	2.4	1215	1280
03-27-96 09:00	2.8	1102	1183
03-27-96 10:00	3.4	1171	1254
03-27-96 11:00	3.7	1165	1245
03-27-96 12:00	2.4	1246	1348
03-27-96 13:00	3.0	1251	1378
03-27-96 14:00	2.8	1265	1392
03-27-96 15:00	2.6	1178	1254
03-27-96 16:00	2.8	1242	1324
03-27-96 17:00	2.8	1364	1445
03-27-96 18:00	3.0	1432	1585
03-27-96 19:00	4.3	1523	1725
03-27-96 20:00	3.0	1432	1541
03-27-96 21:00	4.7	1463	1707
03-27-96 22:00	3.6	1365	1566
03-27-96 23:00	3.7	1354	1514
03-28-96 00:00	3.9	1317	1496
03-28-96 01:00	3.4	1310	1477
03-28-96 02:00	4.8	1380	1573
03-28-96 03:00	9.7	1183	1297
03-28-96 04:00	11.9	1208	1302
03-28-96 05:00	6.2	1302	1509
03-28-96 06:00	2.4	1363	1544
03-28-96 07:00	2.0	1228	1387
03-28-96 08:00	2.2	1238	1346
03-28-96 09:00	3.7	1260	1441
03-28-96 10:00	3.5	1272	1440
03-28-96 11:00	4.1	1338	1461
03-28-96 12:00	4.7	1354	1543
03-28-96 13:00	5.3	1397	1595
03-28-96 14:00	4.3	1332	1477
03-28-96 15:00	4.3	1238	1366
03-28-96 16:00	3.9	1225	1329
03-28-96 17:00	4.3	1268	1394
03-28-96 18:00	3.9	1219	1320
03-28-96 19:00	3.5	1196	1300
03-28-96 20:00	4.4	1325	1476
03-28-96 21:00	4.4	1304	1471
03-28-96 22:00	4.6	1334	1494
03-28-96 23:00	3.9	1282	1404
03-29-96 00:00	4.1	1201	1288
03-29-96 01:00	5.5	1404	1558
03-29-96 02:00	4.2	1319	1451



FROM 01/01/96 00:00 TO 04/01/96 23:59

Date/ Time	Opacity %	Cell 1 F	Cell 2 F
03-29-96 03:00	4.3	1326	1387
03-29-96 04:00	4.1	1313	1368
03-29-96 05:00	10.2	1186	1325
03-29-96 06:00	4.1	1247	1289
03-29-96 07:00	4.5	1289	1403
03-29-96 08:00	3.3	1217	1341
03-29-96 09:00	3.6	1277	1435
03-29-96 10:00	3.3	1224	1296
03-29-96 11:00	2.9	1302	1378
03-29-96 12:00	4.2	1313	1422
03-29-96 13:00	5.1	1393	1570
03-29-96 14:00	4.5	1333	1466
03-29-96 15:00	5.5	1406	1609
03-29-96 16:00	6.0	1452	1678
03-29-96 17:00	2.7	1365	1480
03-29-96 18:00	1.8	1252	1309
03-29-96 19:00	2.8	1336	1441
03-29-96 20:00	2.6	1274	1352
03-29-96 21:00	3.0	1262	1374
03-29-96 22:00	3.4	1281	1394
03-29-96 23:00	5.8	1243	1292
03-30-96 00:00	13.3	1024	916
03-30-96 01:00	7.7	1048	953
03-30-96 02:00	25.9	1019	1011
03-30-96 03:00	3.2	1090	1219
03-30-96 04:00	8.7	1022	1109
03-30-96 05:00	26.0	971	1051
03-30-96 06:00	1.4	1054	1162
03-30-96 07:00	6.3	662	662
03-30-96 08:00	0.8	492	500
03-30-96 09:00	0.0	452	463
03-30-96 10:00	0.0	425	439
03-30-96 11:00	0.0	404	419
03-30-96 12:00	0.0	388	403
03-30-96 13:00	0.0	374	390
03-30-96 14:00	0.0	362	378
03-30-96 15:00	0.0	352	367
03-30-96 16:00	0.0	342	358
03-30-96 17:00	0.0	333	349
03-30-96 18:00	0.0	325	341
03-30-96 19:00	0.0	316	333
03-30-96 20:00	0.0	309	325
03-30-96 21:00	0.0	301	318
03-30-96 22:00	0.0	294	312
03-30-96 23:00	0.0	289	307

Process Down

Koppers Industries
Tie Plant Road
Daily Summary

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FROM 01/01/96 00:00 TO 04/01/96 23:59

Date/ Time	Opacity %	Cell 1 F	Cell 2 F
03-31-96 00:00	0.0	283	301
03-31-96 01:00	0.0	278	297
03-31-96 02:00	0.0	273	292
03-31-96 03:00	0.0	268	288
03-31-96 04:00	0.0	264	284
03-31-96 05:00	0.0	260	281
03-31-96 06:00	0.0	256	277
03-31-96 07:00	0.0	252	274
03-31-96 08:00	0.9	249	271
03-31-96 09:00	0.0	245	268
03-31-96 10:00	0.0	242	265
03-31-96 11:00	0.0	239	262
03-31-96 12:00	0.0	236	259
03-31-96 13:00	0.0	233	257
03-31-96 14:00	0.0	229	254
03-31-96 15:00	0.0	227	251
03-31-96 16:00	0.0	225	249
03-31-96 17:00	0.0	223	248
03-31-96 18:00	0.0	220	245
03-31-96 19:00	0.0	218	244
03-31-96 20:00	0.0	216	241
03-31-96 21:00	0.0	214	240
03-31-96 22:00	0.0	212	237
03-31-96 23:00	0.0	209	235
04-01-96 00:00	0.0	208	234
04-01-96 01:00	0.0	206	232
04-01-96 02:00	0.0	205	231
04-01-96 03:00	0.0	204	230
04-01-96 04:00	0.0	202	228
04-01-96 05:00	11.1	955	1199
04-01-96 06:00	4.4	1602	1813
04-01-96 07:00	3.9	1535	1710
04-01-96 08:00	5.0	1585	1662
04-01-96 09:00	3.7	1405	1514
04-01-96 10:00	2.2	1239	1373
04-01-96 11:00	2.0	1296	1355
04-01-96 12:00	1.5	1232	1271
04-01-96 13:00	1.5	1272	1308
04-01-96 14:00	2.7	1344	1343
04-01-96 15:00	2.9	1266	1302
04-01-96 16:00	2.2	1234	1251
04-01-96 17:00	2.3	1179	1208
04-01-96 18:00	2.3	1358	1431
04-01-96 19:00	4.6	1264	1343
04-01-96 20:00	6.6	511	538

Process 40

FROM 01/01/96 00:00 TO 04/01/96 23:59

Date/ Time	Opacity %	Cell 1 F	Cell 2 F
04-01-96 21:00	10.0	1104	995
04-01-96 22:00	0.7	1292	1451
04-01-96 23:00	1.4	1322	1463



Koppers Industries
Tie Plant Road
Daily Summary

Page 1

FROM 04/01/96 00:00 TO 07/01/96 23:59

Date/ Time	Opacity %	Cell 1 F	Cell 2 F	
04-01-96 00:00	0.0	208	234	Process Down
04-01-96 01:00	0.0	206	232	
04-01-96 02:00	0.0	205	231	
04-01-96 03:00	0.0	204	230	
04-01-96 04:00	0.0	202	228	
04-01-96 05:00	11.1	955	1199	Process up
04-01-96 06:00	4.4	1602	1813	
04-01-96 07:00	3.9	1535	1710	
04-01-96 08:00	5.0	1585	1662	
04-01-96 09:00	3.7	1405	1514	
04-01-96 10:00	2.2	1239	1373	
04-01-96 11:00	2.0	1296	1355	
04-01-96 12:00	1.5	1232	1271	
04-01-96 13:00	1.5	1272	1308	
04-01-96 14:00	2.7	1344	1343	
04-01-96 15:00	2.9	1266	1302	
04-01-96 16:00	2.2	1234	1251	
04-01-96 17:00	2.3	1179	1208	
04-01-96 18:00	2.3	1358	1431	
04-01-96 19:00	4.6	1264	1343	
04-01-96 20:00	6.6	511	538	
04-01-96 21:00	10.0	1104	995	
04-01-96 22:00	0.7	1292	1451	
04-01-96 23:00	1.4	1322	1463	
04-02-96 00:00	1.4	1308	1395	
04-02-96 01:00	4.1	1509	1642	
04-02-96 02:00	2.0	1478	1629	
04-02-96 03:00	1.2	1334	1444	
04-02-96 04:00	1.1	1295	1398	
04-02-96 05:00	4.3	1259	1365	
04-02-96 06:00	1.7	1358	1429	
04-02-96 07:00	2.1	1331	1388	
04-02-96 08:00	3.2	1318	1319	
04-02-96 09:00	2.6	1260	1259	
04-02-96 10:00	2.2	1115	1151	
04-02-96 11:00	2.2	1180	1216	
04-02-96 12:00	1.6	1174	1178	
04-02-96 13:00	2.2	1164	1222	
04-02-96 14:00	1.9	1237	1263	
04-02-96 15:00	2.1	1171	1197	
04-02-96 16:00	4.3	1418	1535	
04-02-96 17:00	2.8	1378	1449	
04-02-96 18:00	2.6	1289	1408	
04-02-96 19:00	3.6	1360	1501	
04-02-96 20:00	4.1	1450	1621	

Koppers Industries
Tie Plant Road
Daily Summary

Page 2

FROM 04/01/96 00:00 TO 07/01/96 23:59

Date/ Time	Opacity %	Cell 1 F	Cell 2 F
04-02-96 21:00	4.5	1430	1457
04-02-96 22:00	8.4	1590	1579
04-02-96 23:00	4.0	1432	1569
04-03-96 00:00	4.2	1446	1597
04-03-96 01:00	3.3	1403	1532
04-03-96 02:00	3.2	1337	1494
04-03-96 03:00	3.0	1304	1470
04-03-96 04:00	3.7	1380	1414
04-03-96 05:00	6.5	1302	1498
04-03-96 06:00	3.6	1355	1530
04-03-96 07:00	4.0	1443	1586
04-03-96 08:00	2.3	1225	1352
04-03-96 09:00	2.8	1219	1357
04-03-96 10:00	3.3	1251	1348
04-03-96 11:00	4.8	1293	1460
04-03-96 12:00	5.9	1425	1643
04-03-96 13:00	2.7	1282	1404
04-03-96 14:00	2.8	1217	1346
04-03-96 15:00	2.6	1200	1309
04-03-96 16:00	2.4	1150	1242
04-03-96 17:00	4.4	1298	1475
04-03-96 18:00	3.8	1412	1591
04-03-96 19:00	2.9	1255	1396
04-03-96 20:00	4.0	1346	1529
04-03-96 21:00	3.3	1350	1523
04-03-96 22:00	4.1	1329	1491
04-03-96 23:00	2.9	1271	1426
04-04-96 00:00	3.0	1224	1363
04-04-96 01:00	2.8	1150	1268
04-04-96 02:00	4.5	1339	1497
04-04-96 03:00	4.3	1372	1561
04-04-96 04:00	3.9	1360	1494
04-04-96 05:00	9.4	1193	1369
04-04-96 06:00	4.3	1252	1408
04-04-96 07:00	3.3	1156	1255
04-04-96 08:00	4.2	1111	1265
04-04-96 09:00	4.6	1274	1432
04-04-96 10:00	3.0	1145	1262
04-04-96 11:00	3.0	1155	1264
04-04-96 12:00	3.2	1135	1246
04-04-96 13:00	4.2	1325	1493
04-04-96 14:00	4.6	1389	1589
04-04-96 15:00	4.2	1338	1513
04-04-96 16:00	3.3	1248	1383
04-04-96 17:00	3.8	1206	1336

Koppers Industries
Tie Plant Road
Daily Summary

Page 3

FROM 04/01/96 00:00 TO 07/01/96 23:59

Date/ Time	Opacity %	Cell 1 F	Cell 2 F
04-04-96 18:00	3.6	1186	1325
04-04-96 19:00	4.5	1327	1492
04-04-96 20:00	4.0	1290	1457
04-04-96 21:00	3.8	1299	1447
04-04-96 22:00	3.3	1232	1321
04-04-96 23:00	4.1	1250	1347
04-05-96 00:00	3.1	1245	1335
04-05-96 01:00	2.8	1099	1193
04-05-96 02:00	2.6	998	1087
04-05-96 03:00	4.1	1088	1224
04-05-96 04:00	3.9	1093	1201
04-05-96 05:00	13.7	1117	1228
04-05-96 06:00	4.0	1030	1154
04-05-96 07:00	3.7	608	780
04-05-96 08:00	0.8	496	521
04-05-96 09:00	0.0	456	478
04-05-96 10:00	0.0	429	451
04-05-96 11:00	0.0	409	431
04-05-96 12:00	0.0	392	415
04-05-96 13:00	0.0	378	401
04-05-96 14:00	0.0	365	388
04-05-96 15:00	0.0	353	376
04-05-96 16:00	0.0	342	365
04-05-96 17:00	0.0	333	355
04-05-96 18:00	0.0	324	346
04-05-96 19:00	0.0	315	337
04-05-96 20:00	0.0	307	329
04-05-96 21:00	0.0	300	322
04-05-96 22:00	0.0	293	315
04-05-96 23:00	0.0	287	309
04-06-96 00:00	0.0	281	303
04-06-96 01:00	0.0	275	298
04-06-96 02:00	0.0	270	293
04-06-96 03:00	0.0	265	288
04-06-96 04:00	0.0	261	284
04-06-96 05:00	0.0	256	280
04-06-96 06:00	0.0	252	276
04-06-96 07:00	0.0	247	272
04-06-96 08:00	0.7	245	270
04-06-96 09:00	0.3	242	267
04-06-96 10:00	0.3	239	265
04-06-96 11:00	0.1	237	262
04-06-96 12:00	0.1	234	260
04-06-96 13:00	0.1	232	258
04-06-96 14:00	0.0	229	256

Process Down

Koppers Industries
Tie Plant Road
Daily Summary

Page 4

FROM 04/01/96 00:00 TO 07/01/96 23:59

Date/ Time	Opacity %	Cell 1 F	Cell 2 F
04-06-96 15:00	0.0	227	254
04-06-96 16:00	0.0	225	252
04-06-96 17:00	0.0	223	250
04-06-96 18:00	0.0	221	248
04-06-96 19:00	0.0	219	246
04-06-96 20:00	0.0	217	244
04-06-96 21:00	0.0	215	242
04-06-96 22:00	0.0	213	239
04-06-96 23:00	0.0	210	237
04-07-96 00:00	0.0	208	235
04-07-96 01:00	0.0	206	232
04-07-96 03:00	0.0	204	230
04-07-96 04:00	0.0	202	228
04-07-96 05:00	0.0	201	227
04-07-96 06:00	0.0	199	225
04-07-96 07:00	0.0	198	224
04-07-96 08:00	0.8	197	223
04-07-96 09:00	0.2	197	223
04-07-96 10:00	0.4	197	224
04-07-96 11:00	0.5	196	224
04-07-96 12:00	0.2	196	223
04-07-96 13:00	0.0	195	223
04-07-96 14:00	0.0	195	222
04-07-96 15:00	0.0	194	222
04-07-96 16:00	0.0	194	221
04-07-96 17:00	0.0	193	221
04-07-96 18:00	0.0	193	220
04-07-96 19:00	0.0	193	220
04-07-96 20:00	0.0	192	219
04-07-96 21:00	0.0	191	218
04-07-96 22:00	0.0	190	217
04-07-96 23:00	0.0	189	216
04-08-96 00:00	0.0	188	216
04-08-96 01:00	0.0	188	215
04-08-96 02:00	0.0	187	214
04-08-96 03:00	0.0	187	214
04-08-96 04:00	0.0	186	214
04-08-96 05:00	0.0	186	213
04-08-96 06:00	0.0	185	213
04-08-96 07:00	0.0	185	213
04-08-96 08:00	0.8	185	212
04-08-96 09:00	0.1	185	212
04-08-96 10:00	0.3	184	212
04-08-96 11:00	0.1	184	212
04-08-96 12:00	0.1	184	211

FROM 04/01/96 00:00 TO 07/01/96 23:59

Date/ Time	Opacity %	Cell 1	Cell 2
		F	F
04-08-96 13:00	0.0	183	211
04-08-96 14:00	0.0	183	210
04-08-96 15:00	0.0	183	210
04-08-96 16:00	0.0	182	210
04-08-96 17:00	0.0	182	210
04-08-96 18:00	0.0	182	209
04-08-96 19:00	0.0	181	209
04-08-96 20:00	0.0	180	208
04-08-96 21:00	0.0	180	208
04-08-96 22:00	0.0	179	207
04-08-96 23:00	0.0	179	207
04-09-96 00:00	0.0	179	207
04-09-96 01:00	0.0	178	206
04-09-96 02:00	0.0	178	206
04-09-96 03:00	0.0	178	205
04-09-96 04:00	0.0	177	205
04-09-96 05:00	33.7	354	495
04-09-96 06:00	12.5	1502	1613
04-09-96 07:00	4.3	1233	1413
04-09-96 08:00	3.0	1141	1298
04-09-96 09:00	3.6	1189	1316
04-09-96 10:00	2.9	1252	1371
04-09-96 11:00	2.6	1250	1396
04-09-96 12:00	1.9	1164	1255
04-09-96 13:00	2.5	1065	1139
04-09-96 14:00	2.3	1219	1325
04-09-96 15:00	2.7	1231	1326
04-09-96 16:00	2.1	1130	1237
04-09-96 17:00	1.7	988	1032
04-09-96 18:00	1.9	966	1027
04-09-96 19:00	1.8	949	1013
04-09-96 20:00	3.4	866	915
04-09-96 21:00	3.3	898	963
04-09-96 22:00	1.8	1057	1125
04-09-96 23:00	2.1	1045	1106
04-10-96 00:00	2.8	1120	1189
04-10-96 01:00	3.2	1242	1371
04-10-96 02:00	2.2	1130	1199
04-10-96 03:00	2.4	1214	1301
04-10-96 04:00	2.2	1189	1240
04-10-96 05:00	4.7	1139	1220
04-10-96 06:00	2.6	1187	1284
04-10-96 07:00	2.4	1168	1251
04-10-96 08:00	4.9	1297	1383
04-10-96 09:00	2.9	1289	1383

FROM 04/01/96 00:00 TO 07/01/96 23:59

Date/ Time	Opacity %	Cell 1 F	Cell 2 F
04-10-96 10:00	4.6	1318	1432
04-10-96 11:00	4.0	1377	1501
04-10-96 12:00	4.7	1396	1512
04-10-96 13:00	3.5	1306	1381
04-10-96 14:00	4.9	1281	1351
04-10-96 15:00	4.5	1304	1394
04-10-96 16:00	-9999.0	-9999	-9999
04-10-96 17:00	-9999.0	-9999	-9999
04-10-96 18:00	-9999.0	-9999	-9999
04-10-96 19:00	-9999.0	-9999	-9999
04-10-96 20:00	-9999.0	-9999	-9999
04-10-96 21:00	-9999.0	-9999	-9999
04-10-96 22:00	-9999.0	-9999	-9999
04-10-96 23:00	-9999.0	-9999	-9999
04-11-96 00:00	-9999.0	-9999	-9999
04-11-96 01:00	-9999.0	-9999	-9999
04-11-96 02:00	-9999.0	-9999	-9999
04-11-96 03:00	-9999.0	-9999	-9999
04-11-96 04:00	-9999.0	-9999	-9999
04-11-96 05:00	-9999.0	-9999	-9999
04-11-96 06:00	4.1	1183	1318
04-11-96 07:00	3.6	1164	1295
04-11-96 08:00	4.7	1144	1261
04-11-96 09:00	5.8	1318	1192
04-11-96 10:00	3.3	941	737
04-11-96 11:00	1.6	537	524
04-11-96 12:00	5.1	480	475
04-11-96 13:00	10.0	677	662
04-11-96 14:00	6.3	1459	1580
04-11-96 15:00	5.7	1494	1582
04-11-96 16:00	4.9	1399	1446
04-11-96 17:00	4.2	1249	1303
04-11-96 18:00	4.3	1236	1294
04-11-96 19:00	3.8	1200	1240
04-11-96 20:00	4.7	1316	1359
04-11-96 21:00	4.1	1443	1505
04-11-96 22:00	4.0	1319	1409
04-11-96 23:00	3.9	1193	1269
04-12-96 00:00	4.3	1205	1288
04-12-96 01:00	5.0	1247	1321
04-12-96 02:00	4.8	1267	1366
04-12-96 03:00	4.9	1127	1181
04-12-96 04:00	8.6	996	1095
04-12-96 05:00	3.7	1024	1086
04-12-96 06:00	4.8	1132	1194

Power Outage

Koppers Industries
Tie Plant Road
Daily Summary

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FROM 04/01/96 00:00 TO 07/01/96 23:59

Date/ Time	Opacity %	Cell 1 F	Cell 2 F
04-12-96 07:00	4.4	1121	1186
04-12-96 08:00	4.0	1095	1132
04-12-96 09:00	4.0	1070	1115
04-12-96 10:00	4.3	1059	1147
04-12-96 11:00	4.6	1126	1228
04-12-96 12:00	4.4	1214	1330
04-12-96 13:00	4.2	1283	1414
04-12-96 14:00	4.0	1162	1253
04-12-96 15:00	4.0	1157	1270
04-12-96 16:00	4.9	1242	1356
04-12-96 17:00	4.1	1137	1230
04-12-96 18:00	3.8	1053	1142
04-12-96 19:00	4.9	1220	1325
04-12-96 20:00	4.0	1142	1251
04-12-96 21:00	2.7	1076	1161
04-12-96 22:00	3.8	1150	1259
04-12-96 23:00	2.6	1234	1375
04-13-96 00:00	5.2	1247	1382
04-13-96 01:00	15.1	1231	1357
04-13-96 02:00	4.0	1068	1167
04-13-96 03:00	3.6	1005	1091
04-13-96 04:00	9.3	1078	1184
04-13-96 05:00	3.7	1254	1381
04-13-96 06:00	4.2	1109	1194
04-13-96 07:00	4.0	1163	1224
04-13-96 08:00	4.5	1044	1088
04-13-96 09:00	4.7	1044	1093
04-13-96 10:00	5.1	1062	1102
04-13-96 11:00	4.8	1023	1067
04-13-96 12:00	3.6	1142	1236
04-13-96 13:00	3.1	1103	1163
04-13-96 14:00	3.3	1115	1160
04-13-96 15:00	3.4	1136	1218
04-13-96 16:00	3.6	1183	1218
04-13-96 17:00	3.3	1339	1398
04-13-96 18:00	2.9	1212	1230
04-13-96 19:00	3.9	1081	1104
04-13-96 20:00	4.5	993	1009
04-13-96 21:00	4.9	1037	1044
04-13-96 22:00	3.6	1176	1231
04-13-96 23:00	3.1	1119	1188
04-14-96 00:00	3.3	1089	1142
04-14-96 01:00	2.7	1046	1102
04-14-96 02:00	2.7	975	1005
04-14-96 03:00	6.4	971	990

Koppers Industries
Tie Plant Road
Daily Summary

Page 8

FROM 04/01/96 00:00 TO 07/01/96 23:59

Date/ Time	Opacity %	Cell 1 F	Cell 2 F
04-14-96 04:00	4.8	969	982
04-14-96 05:00	2.7	746	998
04-14-96 06:00	2.7	469	550
04-14-96 07:00	0.2	448	468
04-14-96 08:00	0.4	422	438
04-14-96 09:00	0.4	402	418
04-14-96 10:00	0.4	387	404
04-14-96 11:00	0.3	374	392
04-14-96 12:00	0.1	363	381
04-14-96 13:00	0.0	353	371
04-14-96 14:00	0.1	342	361
04-14-96 15:00	0.3	331	349
04-14-96 16:00	0.3	321	340
04-14-96 17:00	0.2	312	332
04-14-96 18:00	0.1	304	323
04-14-96 19:00	0.1	297	317
04-14-96 20:00	0.1	291	311
04-14-96 21:00	0.2	286	306
04-14-96 22:00	0.1	281	301
04-14-96 23:00	0.2	276	296
04-15-96 00:00	0.1	271	291
04-15-96 01:00	0.1	266	287
04-15-96 02:00	0.0	262	283
04-15-96 03:00	0.1	255	277
04-15-96 04:00	11.6	1409	1563
04-15-96 05:00	3.2	1331	1549
04-15-96 06:00	3.5	1181	1321
04-15-96 07:00	3.6	1139	1291
04-15-96 08:00	2.8	1118	1266
04-15-96 09:00	2.6	1011	1112
04-15-96 10:00	2.7	949	1007
04-15-96 11:00	3.8	1314	1487
04-15-96 12:00	3.6	1310	1502
04-15-96 13:00	4.3	1387	1534
04-15-96 14:00	3.5	1342	1452
04-15-96 15:00	3.8	1372	1484
04-15-96 16:00	2.7	1178	1251
04-15-96 17:00	3.3	1147	1185
04-15-96 18:00	2.9	1285	1357
04-15-96 19:00	2.5	1252	1353
04-15-96 20:00	3.0	1174	1258
04-15-96 21:00	3.3	1360	1519
04-15-96 22:00	3.0	1269	1425
04-15-96 23:00	4.5	1343	1520
04-16-96 00:00	3.7	1412	1550

↓
Process Down

Process up

Koppers Industries
Tie Plant Road
Daily Summary

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FROM 04/01/96 00:00 TO 07/01/96 23:59

Date/ Time	Opacity %	Cell 1 F	Cell 2 F
04-16-96 01:00	3.4	1374	1434
04-16-96 02:00	3.8	1418	1499
04-16-96 03:00	4.5	1406	1448
04-16-96 04:00	6.5	1212	1261
04-16-96 05:00	5.5	1348	1436
04-16-96 06:00	4.4	1413	1475
04-16-96 07:00	3.5	1426	1511
04-16-96 08:00	4.0	1503	1566
04-16-96 09:00	4.1	1553	1755
04-16-96 10:00	5.1	1477	1649
04-16-96 11:00	4.5	1455	1635
04-16-96 12:00	3.9	1330	1470
04-16-96 13:00	4.0	1286	1451
04-16-96 14:00	5.2	1487	1733
04-16-96 15:00	5.2	1456	1640
04-16-96 16:00	4.8	1323	1438
04-16-96 17:00	2.9	1272	1366
04-16-96 18:00	3.7	1385	1528
04-16-96 19:00	3.4	1257	1390
04-16-96 20:00	3.6	1301	1455
04-16-96 21:00	3.8	1307	1430
04-16-96 22:00	4.1	1305	1457
04-16-96 23:00	4.2	1281	1467
04-17-96 00:00	3.6	1357	1561
04-17-96 01:00	3.2	1328	1523
04-17-96 02:00	3.3	1309	1436
04-17-96 03:00	4.9	1445	1556
04-17-96 04:00	4.6	1183	1350
04-17-96 05:00	3.2	1184	1254
04-17-96 06:00	2.1	1216	1278
04-17-96 07:00	2.3	1410	1539
04-17-96 08:00	3.3	1235	1381
04-17-96 09:00	4.5	1294	1426
04-17-96 10:00	9.3	1249	1279
04-17-96 11:00	4.6	1010	1094
04-17-96 12:00	3.7	906	978
04-17-96 13:00	2.9	958	1064
04-17-96 14:00	2.7	1061	1206
04-17-96 15:00	2.3	1074	1233
04-17-96 16:00	2.2	1046	1166
04-17-96 17:00	6.2	1139	826
04-17-96 18:00	7.0	1171	769
04-17-96 19:00	6.4	1097	714
04-17-96 20:00	3.2	1111	675
04-17-96 21:00	2.1	1133	667

Koppers Industries
Tie Plant Road
Daily Summary

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FROM 04/01/96 00:00 TO 07/01/96 23:59

Date/ Time	Opacity %	Cell 1 F	Cell 2 F
04-17-96 22:00	1.0	1162	687
04-17-96 23:00	2.4	1200	706
04-18-96 00:00	1.9	1342	1405
04-18-96 01:00	1.6	1193	1312
04-18-96 02:00	2.2	1199	1332
04-18-96 03:00	2.6	1033	1091
04-18-96 04:00	2.8	1194	1279
04-18-96 05:00	1.7	1178	1245
04-18-96 06:00	1.0	1180	1244
04-18-96 07:00	1.7	1082	1154
04-18-96 08:00	2.4	1280	1391
04-18-96 09:00	2.3	1130	1196
04-18-96 10:00	3.2	1173	1312
04-18-96 11:00	2.6	1120	1248
04-18-96 12:00	3.3	920	1007
04-18-96 13:00	1.9	880	970
04-18-96 14:00	3.1	828	903
04-18-96 15:00	4.8	1022	918
04-18-96 16:00	2.8	1208	1075
04-18-96 17:00	4.6	731	909
04-18-96 18:00	2.1	502	684
04-18-96 19:00	8.9	929	1117
04-18-96 20:00	2.1	1010	1092
04-18-96 21:00	2.0	1018	1112
04-18-96 22:00	1.4	991	1090
04-18-96 23:00	2.1	961	1095
04-19-96 00:00	1.8	1122	1201
04-19-96 01:00	2.4	1169	1306
04-19-96 02:00	2.2	1099	1219
04-19-96 03:00	2.4	1231	1303
04-19-96 04:00	4.7	1163	1241
04-19-96 05:00	3.8	1233	1335
04-19-96 06:00	2.5	1192	1311
04-19-96 07:00	2.9	1040	1094
04-19-96 08:00	4.4	908	962
04-19-96 09:00	4.6	827	868
04-19-96 10:00	12.7	1119	993
04-19-96 11:00	2.2	1093	1178
04-19-96 12:00	2.5	1086	1120
04-19-96 13:00	2.5	1039	1121
04-19-96 14:00	1.7	1027	986
04-19-96 15:00	2.5	1039	1036
04-19-96 16:00	2.9	1121	1208
04-19-96 17:00	2.9	1244	1372
04-19-96 18:00	2.5	1261	1346

FROM 04/01/96 00:00 TO 07/01/96 23:59

Date/ Time	Opacity %	Cell 1 F	Cell 2 F
04-19-96 19:00	1.1	1059	1141
04-19-96 20:00	1.6	1186	1256
04-19-96 21:00	1.0	1314	1369
04-19-96 22:00	1.2	1162	1235
04-19-96 23:00	3.1	1217	1090
04-20-96 00:00	2.7	1194	1202
04-20-96 01:00	4.0	996	1089
04-20-96 02:00	4.1	890	982
04-20-96 03:00	2.6	966	969
04-20-96 04:00	11.5	1039	1070
04-20-96 05:00	7.9	620	850
04-20-96 06:00	6.8	282	300
04-20-96 07:00	1.4	292	302
04-20-96 08:00	2.6	351	364
04-20-96 09:00	0.2	362	376
04-20-96 10:00	0.2	354	368
04-20-96 11:00	0.3	345	359
04-20-96 12:00	0.3	336	350
04-20-96 13:00	0.2	329	342
04-20-96 14:00	0.2	322	336
04-20-96 15:00	0.2	315	329
04-20-96 16:00	0.1	309	323
04-20-96 17:00	0.1	302	317
04-20-96 18:00	0.3	296	311
04-20-96 19:00	0.5	289	306
04-20-96 20:00	0.5	284	301
04-20-96 21:00	0.5	279	296
04-20-96 22:00	0.4	273	291
04-20-96 23:00	0.4	269	287
04-21-96 00:00	0.4	264	283
04-21-96 01:00	0.4	260	279
04-21-96 02:00	0.4	256	276
04-21-96 03:00	0.4	253	273
04-21-96 04:00	0.4	249	269
04-21-96 05:00	1.1	246	267
04-21-96 06:00	0.5	243	263
04-21-96 07:00	0.4	243	264
04-21-96 08:00	0.4	243	264
04-21-96 09:00	0.4	243	264
04-21-96 10:00	0.4	243	264
04-21-96 11:00	0.4	243	264
04-21-96 12:00	0.4	243	264
04-21-96 13:00	0.4	243	264
04-21-96 14:00	0.4	243	264
04-21-96 15:00	0.4	243	264

Process Down

Koppers Industries
Tie Plant Road
Daily Summary

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FROM 04/01/96 00:00 TO 07/01/96 23:59

Date/ Time	Opacity %	Cell 1 F	Cell 2 F
04-21-96 16:00	0.4	243	264
04-21-96 17:00	-9999.0	-9999	-9999
04-21-96 18:00	-9999.0	-9999	-9999
04-21-96 19:00	-9999.0	-9999	-9999
04-21-96 20:00	-9999.0	-9999	-9999
04-21-96 21:00	-9999.0	-9999	-9999
04-21-96 22:00	-9999.0	-9999	-9999
04-21-96 23:00	-9999.0	-9999	-9999
04-22-96 00:00	-9999.0	-9999	-9999
04-22-96 01:00	-9999.0	-9999	-9999
04-22-96 02:00	0.5	243	264
04-22-96 03:00	-9999.0	-9999	-9999
04-22-96 04:00	-9999.0	-9999	-9999
04-22-96 05:00	-9999.0	-9999	-9999
04-22-96 06:00	-9999.0	-9999	-9999
04-22-96 07:00	-9999.0	-9999	-9999
04-22-96 08:00	-9999.0	-9999	-9999
04-22-96 09:00	-9999.0	-9999	-9999
04-22-96 10:00	-9999.0	-9999	-9999
04-22-96 11:00	-9999.0	-9999	-9999
04-22-96 12:00	-9999.0	-9999	-9999
04-22-96 13:00	-9999.0	-9999	-9999
04-22-96 14:00	4.9	1567	1686
04-22-96 15:00	2.6	1359	1464
04-22-96 16:00	2.5	1328	1402
04-22-96 17:00	17.9	1411	1420
04-22-96 18:00	5.2	1422	1450
04-22-96 19:00	4.2	1353	1455
04-22-96 20:00	5.4	1377	1485
04-22-96 21:00	3.0	1407	1478
04-22-96 22:00	-9999.0	-9999	-9999
04-22-96 23:00	-9999.0	-9999	-9999
04-23-96 00:00	-9999.0	-9999	-9999
04-23-96 01:00	-9999.0	-9999	-9999
04-23-96 02:00	2.7	427	459
04-23-96 03:00	12.4	858	784
04-23-96 04:00	7.7	1501	1205
04-23-96 05:00	5.9	1171	1481
04-23-96 06:00	3.5	1139	1392
04-23-96 07:00	4.0	1245	1494
04-23-96 08:00	4.3	1163	1410
04-23-96 09:00	8.4	1261	1490
04-23-96 10:00	6.3	1205	1495
04-23-96 11:00	3.3	1269	1546
04-23-96 12:00	6.1	1582	1778

Power outage

Process up

Koppers Industries
Tie Plant Road
Daily Summary

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FROM 04/01/96 00:00 TO 07/01/96 23:59

Date/ Time	Opacity %	Cell 1 F	Cell 2 F
04-23-96 13:00	5.0	1454	1657
04-23-96 14:00	4.5	1458	1561
04-23-96 15:00	4.0	1396	1452
04-23-96 16:00	3.6	1408	1514
04-23-96 17:00	2.7	1253	1340
04-23-96 18:00	3.4	1291	1387
04-23-96 19:00	5.1	1494	1553
04-23-96 20:00	6.2	1598	1672
04-23-96 21:00	4.5	1441	1515
04-23-96 22:00	2.2	1266	1329
04-23-96 23:00	2.8	1207	1291
04-24-96 00:00	2.1	1140	1173
04-24-96 01:00	2.1	1103	1157
04-24-96 02:00	4.1	1296	1370
04-24-96 03:00	5.0	1418	1493
04-24-96 04:00	4.4	1377	1440
04-24-96 05:00	3.4	1276	1333
04-24-96 06:00	2.9	1179	1236
04-24-96 07:00	4.1	1245	1311
04-24-96 08:00	3.7	1281	1352
04-24-96 09:00	6.6	1369	1211
04-24-96 10:00	9.4	960	1021
04-24-96 11:00	8.0	980	995
04-24-96 12:00	4.0	1074	1087
04-24-96 13:00	3.4	1004	1040
04-24-96 14:00	2.9	1121	1149
04-24-96 15:00	3.9	932	949
04-24-96 16:00	2.6	1066	1067
04-24-96 17:00	3.5	1168	1192
04-24-96 18:00	3.4	1137	1172
04-24-96 19:00	2.5	1102	1121
04-24-96 20:00	3.5	1190	1238
04-24-96 21:00	4.3	1218	1252
04-24-96 22:00	3.7	1272	1284
04-24-96 23:00	4.1	1330	1328
04-25-96 00:00	3.4	1137	1139
04-25-96 01:00	3.3	1062	1061
04-25-96 02:00	3.6	1117	1128
04-25-96 03:00	2.8	1082	1100
04-25-96 04:00	9.1	970	1095
04-25-96 05:00	5.8	1162	1396
04-25-96 06:00	5.6	1084	1319
04-25-96 07:00	4.5	1137	1466
04-25-96 08:00	3.8	1047	1243
04-25-96 09:00	4.0	953	1007

Koppers Industries
Tie Plant Road
Daily Summary

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FROM 04/01/96 00:00 TO 07/01/96 23:59

Date/ Time	Opacity %	Cell 1 F	Cell 2 F
04-25-96 10:00	3.4	1028	1087
04-25-96 11:00	3.6	1041	1110
04-25-96 12:00	4.1	1051	1148
04-25-96 13:00	4.9	1047	1184
04-25-96 14:00	3.8	1178	1303
04-25-96 15:00	4.7	1244	1393
04-25-96 16:00	3.7	1134	1262
04-25-96 17:00	3.7	991	1070
04-25-96 18:00	3.2	964	1038
04-25-96 19:00	3.2	978	1042
04-25-96 20:00	3.6	999	1053
04-25-96 21:00	3.6	1049	1140
04-25-96 22:00	3.2	995	1084
04-25-96 23:00	3.1	1017	1096
04-26-96 00:00	4.1	907	972
04-26-96 01:00	3.6	1094	1192
04-26-96 02:00	3.4	940	1000
04-26-96 03:00	5.2	864	906
04-26-96 04:00	10.6	767	913
04-26-96 05:00	4.0	1153	1116
04-26-96 06:00	3.6	999	1079
04-26-96 07:00	4.2	1025	1080
04-26-96 08:00	3.8	971	1015
04-26-96 09:00	5.1	1081	1161
04-26-96 10:00	3.7	1179	1284
04-26-96 11:00	3.4	976	1028
04-26-96 12:00	3.5	965	1022
04-26-96 13:00	4.0	1026	1090
04-26-96 14:00	3.8	996	1047
04-26-96 15:00	3.8	973	1021
04-26-96 16:00	3.6	1075	1117
04-26-96 17:00	3.4	1075	1155
04-26-96 18:00	4.0	1083	1179
04-26-96 19:00	2.7	1112	1201
04-26-96 20:00	4.2	877	933
04-26-96 21:00	4.1	1056	1100
04-26-96 22:00	4.3	1182	1329
04-26-96 23:00	4.1	1194	1320
04-27-96 00:00	3.3	1022	1134
04-27-96 01:00	3.8	1036	1152
04-27-96 02:00	3.1	984	1100
04-27-96 03:00	3.4	895	969
04-27-96 04:00	4.7	831	898
04-27-96 05:00	8.1	864	874
04-27-96 06:00	4.0	952	950

Koppers Industries
Tie Plant Road
Daily Summary

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FROM 04/01/96 00:00 TO 07/01/96 23:59

Date/ Time	Opacity %	Cell 1	Cell 2
		F	F
04-27-96 07:00	4.1	1117	1206
04-27-96 08:00	3.3	1086	1086
04-27-96 09:00	4.5	948	925
04-27-96 10:00	4.0	1055	1024
04-27-96 11:00	4.1	1027	1042
04-27-96 12:00	4.9	1237	1347
04-27-96 13:00	3.9	1347	1461
04-27-96 14:00	3.7	1325	1450
04-27-96 15:00	3.0	1015	1051
04-27-96 16:00	3.4	940	931
04-27-96 17:00	3.3	929	928
04-27-96 18:00	3.5	917	910
04-27-96 19:00	5.2	838	828
04-27-96 20:00	3.3	1070	1078
04-27-96 21:00	3.4	1052	1130
04-27-96 22:00	3.1	1056	1125
04-27-96 23:00	3.3	947	1017
04-28-96 00:00	3.5	919	986
04-28-96 01:00	3.7	1085	1166
04-28-96 02:00	3.1	1007	1053
04-28-96 03:00	3.5	885	907
04-28-96 04:00	6.3	892	890
04-28-96 05:00	9.8	519	721
04-28-96 06:00	0.5	433	461
04-28-96 07:00	0.7	411	434
04-28-96 08:00	0.9	391	413
04-28-96 09:00	0.8	377	398
04-28-96 10:00	0.9	364	385
04-28-96 11:00	0.8	353	374
04-28-96 12:00	0.7	343	364
04-28-96 13:00	0.7	334	356
04-28-96 14:00	0.6	327	348
04-28-96 15:00	0.6	319	340
04-28-96 16:00	0.6	313	334
04-28-96 17:00	0.6	307	328
04-28-96 18:00	0.5	302	322
04-28-96 19:00	0.5	296	317
04-28-96 20:00	0.5	290	311
04-28-96 21:00	0.5	284	306
04-28-96 22:00	0.5	279	301
04-28-96 23:00	0.5	274	297
04-29-96 00:00	0.6	269	292
04-29-96 01:00	0.6	265	288
04-29-96 02:00	0.6	262	285
04-29-96 03:00	0.7	257	281

Process Down

Koppers Industries
Tie Plant Road
Daily Summary

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FROM 04/01/96 00:00 TO 07/01/96 23:59

Date/ Time	Opacity %	Cell 1 F	Cell 2 F	
04-29-96 04:00	14.2	1252	1393	Process up
04-29-96 05:00	4.0	1385	1556	
04-29-96 06:00	3.8	1119	1205	
04-29-96 07:00	3.1	730	778	
04-29-96 08:00	6.2	1063	1174	
04-29-96 09:00	5.6	1184	1329	
04-29-96 10:00	5.1	1172	1252	
04-29-96 11:00	3.1	1151	1201	
04-29-96 12:00	3.3	1103	1204	
04-29-96 13:00	4.5	1273	1397	
04-29-96 14:00	4.4	1073	1154	
04-29-96 15:00	3.7	950	976	
04-29-96 16:00	4.2	1196	1320	
04-29-96 17:00	5.0	1424	1592	
04-29-96 18:00	4.6	1514	1671	
04-29-96 19:00	4.0	1506	1633	
04-29-96 20:00	3.5	1278	1405	
04-29-96 21:00	3.3	1266	1336	
04-29-96 22:00	5.3	1548	1671	
04-29-96 23:00	3.7	1415	1513	
04-30-96 00:00	4.0	1364	1453	
04-30-96 01:00	3.7	1293	1347	
04-30-96 02:00	4.1	1361	1399	
04-30-96 03:00	5.5	1323	1323	
04-30-96 04:00	12.0	1178	1385	
04-30-96 05:00	4.0	1207	1327	
04-30-96 06:00	2.9	1200	1318	
04-30-96 07:00	3.3	1118	1146	
04-30-96 08:00	3.5	1172	1232	
04-30-96 09:00	3.6	1224	1301	
04-30-96 10:00	3.6	1254	1323	
04-30-96 11:00	4.4	1355	1463	
04-30-96 12:00	4.1	1327	1418	
04-30-96 13:00	4.2	1286	1425	
04-30-96 14:00	3.6	1140	1212	
04-30-96 15:00	4.4	1224	1293	
04-30-96 16:00	3.6	1152	1230	
04-30-96 17:00	3.4	1149	1219	
04-30-96 18:00	3.2	1119	1157	
04-30-96 19:00	3.4	1192	1288	
04-30-96 20:00	3.4	1259	1329	
04-30-96 21:00	2.9	1166	1252	
04-30-96 22:00	3.4	1111	1143	
04-30-96 23:00	4.7	1035	1107	
05-01-96 00:00	4.4	1258	1350	

Koppers Industries
Tie Plant Road
Daily Summary

Page 17

FROM 04/01/96 00:00 TO 07/01/96 23:59

Date/ Time	Opacity %	Cell 1 F	Cell 2 F
05-01-96 01:00	3.5	1202	1299
05-01-96 02:00	3.8	1171	1262
05-01-96 03:00	5.6	1162	1195
05-01-96 04:00	7.9	1002	1257
05-01-96 05:00	5.8	973	1084
05-01-96 06:00	3.1	959	1016
05-01-96 07:00	4.7	999	1062
05-01-96 08:00	3.7	1163	1250
05-01-96 09:00	3.3	1080	1139
05-01-96 10:00	5.2	970	1025
05-01-96 11:00	4.0	1037	1094
05-01-96 12:00	4.2	1053	1129
05-01-96 13:00	5.7	997	1060
05-01-96 14:00	4.2	948	1017
05-01-96 15:00	4.9	1245	1447
05-01-96 16:00	4.4	1336	1523
05-01-96 17:00	3.2	1208	1283
05-01-96 18:00	2.8	1081	1076
05-01-96 19:00	3.4	1048	1045
05-01-96 20:00	4.4	1075	1105
05-01-96 21:00	3.7	1072	1106
05-01-96 22:00	3.5	1042	1047
05-01-96 23:00	3.3	1073	1104
05-02-96 00:00	3.7	1193	1184
05-02-96 01:00	3.3	1212	1245
05-02-96 02:00	3.5	1125	1113
05-02-96 03:00	7.6	1022	938
05-02-96 04:00	8.1	949	1098
05-02-96 05:00	4.4	1051	1149
05-02-96 06:00	3.9	1004	1085
05-02-96 07:00	3.8	1123	1151
05-02-96 08:00	4.6	1259	1374
05-02-96 09:00	3.7	1232	1345
05-02-96 10:00	4.2	1379	1415
05-02-96 11:00	3.7	1201	1200
05-02-96 12:00	4.3	1308	1337
05-02-96 13:00	4.1	1364	1441
05-02-96 14:00	4.1	1377	1441
05-02-96 15:00	3.3	1151	1197
05-02-96 16:00	3.7	1115	1167
05-02-96 17:00	3.3	1128	1197
05-02-96 18:00	3.5	1126	1189
05-02-96 19:00	3.1	1027	1099
05-02-96 20:00	3.6	1059	1084
05-02-96 21:00	3.5	1076	1095

Koppers Industries
Tie Plant Road
Daily Summary

Page 18

FROM 04/01/96 00:00 TO 07/01/96 23:59

Date/ Time	Opacity %	Cell 1 F	Cell 2 F
05-02-96 22:00	3.2	1122	1191
05-02-96 23:00	3.5	1052	1132
05-03-96 00:00	3.4	1045	1103
05-03-96 01:00	3.4	1110	1142
05-03-96 02:00	3.5	1051	1081
05-03-96 03:00	6.8	1112	1125
05-03-96 04:00	14.7	982	1147
05-03-96 05:00	5.5	928	937
05-03-96 06:00	4.2	958	952
05-03-96 07:00	3.8	1123	1139
05-03-96 08:00	4.0	1236	1358
05-03-96 09:00	3.6	1203	1185
05-03-96 10:00	3.2	1188	1231
05-03-96 11:00	3.4	1071	1128
05-03-96 12:00	3.7	955	997
05-03-96 13:00	3.3	1004	1039
05-03-96 14:00	5.1	866	902
05-03-96 15:00	2.9	978	1018
05-03-96 16:00	3.0	938	970
05-03-96 17:00	4.5	940	967
05-03-96 18:00	7.1	818	832
05-03-96 19:00	3.0	937	963
05-03-96 20:00	3.0	1025	1043
05-03-96 21:00	5.2	883	926
05-03-96 22:00	4.4	848	834
05-03-96 23:00	2.5	1055	1083
05-04-96 00:00	2.5	1053	1074
05-04-96 01:00	4.3	986	1036
05-04-96 02:00	6.8	864	884
05-04-96 03:00	4.6	927	951
05-04-96 04:00	5.1	885	975
05-04-96 05:00	10.0	564	858
05-04-96 06:00	0.9	429	455
05-04-96 07:00	1.1	413	438
05-04-96 08:00	1.2	390	415
05-04-96 09:00	1.4	374	398
05-04-96 10:00	1.4	361	385
05-04-96 11:00	1.2	350	374
05-04-96 12:00	1.1	341	364
05-04-96 13:00	1.0	333	355
05-04-96 14:00	1.0	325	347
05-04-96 15:00	0.9	317	340
05-04-96 16:00	0.9	310	333
05-04-96 17:00	1.0	304	327
05-04-96 18:00	0.9	299	321

Process Down

Koppers Industries
Tie Plant Road
Daily Summary

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FROM 04/01/96 00:00 TO 07/01/96 23:59

Date/ Time	Opacity %	Cell 1 F	Cell 2 F
05-04-96 19:00	0.9	294	315
05-04-96 20:00	0.9	287	310
05-04-96 21:00	0.9	282	305
05-04-96 22:00	0.9	278	300
05-04-96 23:00	0.9	273	296
05-05-96 00:00	0.9	269	292
05-05-96 01:00	0.9	265	288
05-05-96 02:00	0.9	261	284
05-05-96 03:00	0.9	258	281
05-05-96 04:00	1.0	254	278
05-05-96 05:00	1.6	251	275
05-05-96 06:00	1.0	249	273
05-05-96 07:00	1.1	246	270
05-05-96 08:00	1.2	244	268
05-05-96 09:00	1.3	241	265
05-05-96 10:00	1.2	239	264
05-05-96 11:00	1.3	237	262
05-05-96 12:00	1.3	235	260
05-05-96 13:00	1.2	233	258
05-05-96 14:00	1.2	232	257
05-05-96 15:00	1.1	230	256
05-05-96 16:00	1.1	229	254
05-05-96 17:00	1.1	227	252
05-05-96 18:00	1.1	226	251
05-05-96 19:00	1.1	224	250
05-05-96 20:00	1.1	223	248
05-05-96 21:00	1.1	221	246
05-05-96 22:00	1.1	219	245
05-05-96 23:00	1.1	218	244
05-06-96 00:00	1.1	216	242
05-06-96 01:00	1.1	215	241
05-06-96 02:00	1.1	214	239
05-06-96 03:00	4.2	212	238
05-06-96 04:00	12.6	1168	1368
05-06-96 05:00	7.4	1171	1416
05-06-96 06:00	5.9	1007	1209
05-06-96 07:00	6.4	975	1135
05-06-96 08:00	7.6	956	1087
05-06-96 09:00	4.7	1137	1357
05-06-96 10:00	3.9	1148	1278
05-06-96 11:00	4.3	1149	1281
05-06-96 12:00	4.9	1225	1340
05-06-96 13:00	5.4	1202	1366
05-06-96 14:00	7.2	1078	1243
05-06-96 15:00	3.9	1197	1375

Process up

Koppers Industries
Tie Plant Road
Daily Summary

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FROM 04/01/96 00:00 TO 07/01/96 23:59

Date/ Time	Opacity %	Cell 1 F	Cell 2 F
05-06-96 16:00	4.1	1107	1227
05-06-96 17:00	6.2	1034	1090
05-06-96 18:00	5.8	1093	1234
05-06-96 19:00	5.7	1012	1106
05-06-96 20:00	4.9	1072	1141
05-06-96 21:00	7.6	984	1072
05-06-96 22:00	4.2	1094	1135
05-06-96 23:00	5.0	1157	1276
05-07-96 00:00	6.2	989	1068
05-07-96 01:00	6.5	979	1025
05-07-96 02:00	4.9	1052	1131
05-07-96 03:00	8.2	1033	1078
05-07-96 04:00	9.2	974	1183
05-07-96 05:00	5.1	1030	1126
05-07-96 06:00	8.8	907	1016
05-07-96 07:00	6.9	980	1125
05-07-96 08:00	5.4	1144	1348
05-07-96 09:00	5.3	1128	1271
05-07-96 10:00	5.1	1205	1406
05-07-96 11:00	8.1	981	1130
05-07-96 12:00	8.9	842	939
05-07-96 13:00	5.2	996	1125
05-07-96 14:00	8.0	957	1107
05-07-96 15:00	5.8	998	1143
05-07-96 16:00	7.9	919	1015
05-07-96 17:00	6.3	977	1087
05-07-96 18:00	8.3	868	953
05-07-96 19:00	6.9	918	1009
05-07-96 20:00	6.2	994	1128
05-07-96 21:00	6.1	969	1074
05-07-96 22:00	6.7	930	1036
05-07-96 23:00	5.6	987	1119
05-08-96 00:00	6.5	1011	1166
05-08-96 01:00	6.1	1012	1133
05-08-96 02:00	5.4	996	1055
05-08-96 03:00	7.6	1025	1066
05-08-96 04:00	10.1	931	1031
05-08-96 05:00	10.1	856	956
05-08-96 06:00	5.6	1007	1215
05-08-96 07:00	5.5	1102	1273
05-08-96 08:00	7.8	1005	1118
05-08-96 09:00	8.7	905	985
05-08-96 10:00	6.4	939	1013
05-08-96 11:00	6.7	922	1000
05-08-96 12:00	9.8	958	1060

Koppers Industries
Tie Plant Road
Daily Summary

Page 21

FROM 04/01/96 00:00 TO 07/01/96 23:59

Date/ Time	Opacity %	Cell 1 F	Cell 2 F
05-08-96 13:00	7.0	881	958
05-08-96 14:00	4.7	955	1074
05-08-96 15:00	4.7	1061	1212
05-08-96 16:00	4.9	996	1104
05-08-96 17:00	5.9	956	1092
05-08-96 18:00	5.4	934	1066
05-08-96 19:00	8.6	826	926
05-08-96 20:00	4.5	1038	1218
05-08-96 21:00	5.3	989	1158
05-08-96 22:00	11.2	806	897
05-08-96 23:00	4.9	904	1001
05-09-96 00:00	7.9	859	963
05-09-96 01:00	11.1	775	845
05-09-96 02:00	5.8	908	996
05-09-96 03:00	6.1	1088	1154
05-09-96 04:00	12.1	917	1082
05-09-96 05:00	8.4	882	966
05-09-96 06:00	8.0	874	969
05-09-96 07:00	3.9	1039	1091
05-09-96 08:00	3.8	927	990
05-09-96 09:00	4.2	892	950
05-09-96 10:00	4.0	971	1032
05-09-96 11:00	4.2	921	977
05-09-96 12:00	4.0	890	952
05-09-96 13:00	4.4	986	1050
05-09-96 14:00	3.9	939	994
05-09-96 15:00	4.3	967	1030
05-09-96 16:00	4.2	1025	1100
05-09-96 17:00	4.3	927	983
05-09-96 18:00	3.7	1003	1061
05-09-96 19:00	4.0	1050	1093
05-09-96 20:00	3.7	969	1007
05-09-96 21:00	3.8	1002	1029
05-09-96 22:00	4.4	929	976
05-09-96 23:00	5.2	870	921
05-10-96 00:00	4.6	972	1017
05-10-96 01:00	4.6	875	945
05-10-96 02:00	4.4	892	939
05-10-96 03:00	5.2	1053	1029
05-10-96 04:00	5.9	960	1062
05-10-96 05:00	5.2	927	987
05-10-96 06:00	4.6	927	968
05-10-96 07:00	4.8	921	947
05-10-96 08:00	4.8	910	932
05-10-96 09:00	5.3	992	1039

Koppers Industries
Tie Plant Road
Daily Summary

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FROM 04/01/96 00:00 TO 07/01/96 23:59

Date/ Time	Opacity %	Cell 1 F	Cell 2 F
05-10-96 10:00	5.1	985	1043
05-10-96 11:00	4.6	1019	1052
05-10-96 12:00	4.9	1059	1084
05-10-96 13:00	5.0	1194	1249
05-10-96 14:00	5.9	1375	1461
05-10-96 15:00	5.1	1307	1409
05-10-96 16:00	4.5	1179	1327
05-10-96 17:00	4.7	1003	1119
05-10-96 18:00	5.3	1000	1093
05-10-96 19:00	4.5	1073	1221
05-10-96 20:00	5.2	1140	1278
05-10-96 21:00	4.8	1126	1247
05-10-96 22:00	5.1	1052	1149
05-10-96 23:00	5.0	1131	1286
05-11-96 00:00	4.6	1006	1118
05-11-96 01:00	5.1	967	1054
05-11-96 02:00	5.4	905	990
05-11-96 03:00	5.3	890	972
05-11-96 04:00	13.5	922	1025
05-11-96 05:00	14.3	544	802
05-11-96 06:00	2.5	451	480
05-11-96 07:00	2.3	422	445
05-11-96 08:00	2.3	398	420
05-11-96 09:00	2.5	380	401
05-11-96 10:00	2.5	366	387
05-11-96 11:00	2.4	355	376
05-11-96 12:00	2.3	345	365
05-11-96 13:00	2.2	335	355
05-11-96 14:00	2.2	324	345
05-11-96 15:00	2.2	316	336
05-11-96 16:00	2.2	309	329
05-11-96 17:00	2.1	302	322
05-11-96 18:00	2.1	295	315
05-11-96 19:00	2.1	289	309
05-11-96 20:00	2.1	284	304
05-11-96 21:00	2.1	278	298
05-11-96 22:00	2.0	273	293
05-11-96 23:00	2.0	268	289
05-12-96 00:00	2.0	264	285
05-12-96 01:00	2.0	260	281
05-12-96 02:00	2.0	255	277
05-12-96 03:00	2.0	251	273
05-12-96 04:00	2.0	247	270
05-12-96 05:00	2.7	244	267
05-12-96 06:00	2.1	241	264

Process Down

Koppers Industries
Tie Plant Road
Daily Summary

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FROM 04/01/96 00:00 TO 07/01/96 23:59

Date/ Time	Opacity %	Cell 1 F	Cell 2 F
05-12-96 07:00	2.1	239	262
05-12-96 08:00	2.3	237	260
05-12-96 09:00	2.4	235	258
05-12-96 10:00	2.4	233	257
05-12-96 11:00	2.3	231	255
05-12-96 12:00	2.2	229	253
05-12-96 13:00	2.2	227	251
05-12-96 14:00	2.1	225	250
05-12-96 15:00	2.1	223	248
05-12-96 16:00	2.1	221	246
05-12-96 17:00	2.1	220	245
05-12-96 18:00	2.0	218	244
05-12-96 19:00	2.0	216	242
05-12-96 20:00	2.0	215	240
05-12-96 21:00	2.0	213	238
05-12-96 22:00	2.0	211	236
05-12-96 23:00	2.0	209	235
05-13-96 00:00	2.0	208	234
05-13-96 01:00	2.0	206	232
05-13-96 02:00	2.0	205	231
05-13-96 03:00	5.7	206	230
05-13-96 04:00	13.8	1319	1489
05-13-96 05:00	5.5	1180	1448
05-13-96 06:00	5.1	1069	1295
05-13-96 07:00	4.8	1054	1258
05-13-96 08:00	5.2	1131	1325
05-13-96 09:00	5.6	1144	1326
05-13-96 10:00	5.6	1173	1381
05-13-96 11:00	5.8	1135	1110
05-13-96 12:00	6.2	1127	720
05-13-96 13:00	5.2	1026	1131
05-13-96 14:00	4.9	1049	1183
05-13-96 15:00	6.1	1227	1412
05-13-96 16:00	5.3	1254	1465
05-13-96 17:00	4.7	1087	1263
05-13-96 18:00	7.6	1235	1416
05-13-96 19:00	6.1	1259	1423
05-13-96 20:00	6.6	1260	1385
05-13-96 21:00	6.6	1349	1476
05-13-96 22:00	7.6	1433	1580
05-13-96 23:00	6.9	1441	1639
05-14-96 00:00	6.7	1346	1191
05-14-96 01:00	6.8	1303	1054
05-14-96 02:00	6.0	1259	1476
05-14-96 03:00	7.7	1260	1454

FROM 04/01/96 00:00 TO 07/01/96 23:59

Date/ Time	Opacity %	Cell 1 F	Cell 2 F
05-14-96 04:00	8.0	1127	1299
05-14-96 05:00	7.2	1327	1501
05-14-96 06:00	6.8	1249	1409
05-14-96 07:00	6.5	1205	1352
05-14-96 08:00	6.3	1167	1272
05-14-96 09:00	6.6	1181	1321
05-14-96 10:00	6.2	1169	1308
05-14-96 11:00	6.2	1160	1277
05-14-96 12:00	7.1	1284	1436
05-14-96 13:00	6.4	1224	1363
05-14-96 14:00	6.3	1217	1421
05-14-96 15:00	6.7	1204	1314
05-14-96 16:00	7.3	1274	1412
05-14-96 17:00	5.1	1244	1387
05-14-96 18:00	5.8	1204	1321
05-14-96 19:00	5.9	1129	1244
05-14-96 20:00	5.4	1201	1347
05-14-96 21:00	5.9	1252	1384
05-14-96 22:00	5.9	1211	1341
05-14-96 23:00	5.9	1124	1246
05-15-96 00:00	6.7	1240	1392
05-15-96 01:00	6.6	1196	1352
05-15-96 02:00	6.1	1175	1300
05-15-96 03:00	6.3	1258	1374
05-15-96 04:00	8.9	1175	1291
05-15-96 05:00	7.5	1227	1257
05-15-96 06:00	6.7	1237	1288
05-15-96 07:00	6.8	1232	1317
05-15-96 08:00	7.0	1290	1342
05-15-96 09:00	7.5	1326	1413
05-15-96 10:00	6.5	1188	1286
05-15-96 11:00	6.4	1170	1262
05-15-96 12:00	6.3	1190	1292
05-15-96 13:00	15.0	1004	1056
05-15-96 14:00	5.7	1068	1174
05-15-96 15:00	6.2	965	1047
05-15-96 16:00	6.8	872	932
05-15-96 17:00	5.8	964	1057
05-15-96 18:00	5.2	992	1088
05-15-96 19:00	5.7	1088	1187
05-15-96 20:00	5.7	973	1060
05-15-96 21:00	5.7	981	1067
05-15-96 22:00	5.2	976	1050
05-15-96 23:00	6.0	1041	1090
05-16-96 00:00	6.5	1267	1394

Koppers Industries
Tie Plant Road
Daily Summary

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FROM 04/01/96 00:00 TO 07/01/96 23:59

Date/ Time	Opacity %	Cell 1 F	Cell 2 F
05-16-96 01:00	5.5	1199	1326
05-16-96 02:00	6.2	1241	1392
05-16-96 03:00	6.4	1309	1418
05-16-96 04:00	9.8	1186	1269
05-16-96 05:00	6.3	1145	1265
05-16-96 06:00	5.9	1090	1174
05-16-96 07:00	6.6	1120	1240
05-16-96 08:00	7.3	1115	1239
05-16-96 09:00	6.5	1166	1312
05-16-96 10:00	6.9	1251	1208
05-16-96 11:00	6.4	1159	1289
05-16-96 12:00	5.9	1028	1147
05-16-96 13:00	6.4	995	1109
05-16-96 14:00	5.6	964	1068
05-16-96 15:00	6.5	980	1083
05-16-96 16:00	7.3	913	1022
05-16-96 17:00	6.5	1152	1311
05-16-96 18:00	6.7	1167	1335
05-16-96 19:00	5.8	1162	1313
05-16-96 20:00	5.8	1080	1226
05-16-96 21:00	6.1	1075	1182
05-16-96 22:00	6.4	1123	1284
05-16-96 23:00	5.8	988	1078
05-17-96 00:00	8.0	881	935
05-17-96 01:00	5.6	967	1004
05-17-96 02:00	5.3	1073	1141
05-17-96 03:00	7.3	1078	1096
05-17-96 04:00	8.9	906	1095
05-17-96 05:00	5.8	977	1097
05-17-96 06:00	6.1	1040	1170
05-17-96 07:00	6.7	1020	1148
05-17-96 08:00	6.6	1060	1179
05-17-96 09:00	6.5	1159	1306
05-17-96 10:00	6.0	1088	1208
05-17-96 11:00	5.8	1033	1113
05-17-96 12:00	7.7	1227	1123
05-17-96 13:00	8.2	1296	823
05-17-96 14:00	8.5	1218	740
05-17-96 15:00	7.5	1148	682
05-17-96 16:00	7.8	1143	634
05-17-96 17:00	9.6	1042	599
05-17-96 18:00	8.0	1178	646
05-17-96 19:00	7.5	1184	654
05-17-96 20:00	5.9	1255	687
05-17-96 21:00	6.4	1187	642

Koppers Industries
Tie Plant Road
Daily Summary

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FROM 04/01/96 00:00 TO 07/01/96 23:59

Date/ Time	Opacity %	Cell 1 F	Cell 2 F
05-17-96 22:00	8.0	1213	666
05-17-96 23:00	5.7	1199	1071
05-18-96 00:00	5.7	984	1063
05-18-96 01:00	6.3	1222	1347
05-18-96 02:00	5.6	1152	1250
05-18-96 03:00	6.2	1205	1281
05-18-96 04:00	13.0	902	950
05-18-96 05:00	9.1	891	877
05-18-96 06:00	5.3	935	946
05-18-96 07:00	6.6	907	940
05-18-96 08:00	6.8	894	901
05-18-96 09:00	9.4	909	970
05-18-96 10:00	6.4	1163	1102
05-18-96 11:00	5.1	1075	1115
05-18-96 12:00	5.6	958	1005
05-18-96 13:00	6.0	932	990
05-18-96 14:00	5.3	969	1029
05-18-96 15:00	5.2	946	1011
05-18-96 16:00	5.7	917	949
05-18-96 17:00	5.5	1062	1109
05-18-96 18:00	5.5	1067	1164
05-18-96 19:00	8.7	939	1039
05-18-96 20:00	6.6	846	932
05-18-96 21:00	5.6	883	949
05-18-96 22:00	4.6	898	975
05-18-96 23:00	5.1	1026	1092
05-19-96 00:00	5.7	1200	1344
05-19-96 01:00	4.6	1144	1270
05-19-96 02:00	4.4	1112	1204
05-19-96 03:00	4.1	954	1027
05-19-96 04:00	4.8	920	993
05-19-96 05:00	5.9	901	1004
05-19-96 06:00	10.5	564	823
05-19-96 07:00	2.8	454	486
05-19-96 08:00	3.0	425	452
05-19-96 09:00	3.1	402	427
05-19-96 10:00	3.0	384	409
05-19-96 11:00	2.9	370	395
05-19-96 12:00	2.8	359	384
05-19-96 13:00	2.7	349	373
05-19-96 14:00	2.6	340	363
05-19-96 15:00	2.6	332	354
05-19-96 16:00	2.6	324	346
05-19-96 17:00	2.7	317	339
05-19-96 18:00	2.6	310	331

Process Down

Koppers Industries
Tie Plant Road
Daily Summary

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FROM 04/01/96 00:00 TO 07/01/96 23:59

Date/ Time	Opacity %	Cell 1 F	Cell 2 F
05-19-96 19:00	2.6	303	325
05-19-96 20:00	2.6	296	318
05-19-96 21:00	2.6	290	312
05-19-96 22:00	2.6	285	306
05-19-96 23:00	2.6	279	301
05-20-96 00:00	2.6	274	296
05-20-96 01:00	2.6	271	292
05-20-96 02:00	2.6	267	289
05-20-96 03:00	2.6	262	284
05-20-96 04:00	13.1	1240	1350
05-20-96 05:00	5.6	1260	1339
05-20-96 06:00	4.9	1083	1167
05-20-96 07:00	5.9	1113	1139
05-20-96 08:00	5.8	1147	1125
05-20-96 09:00	5.9	1196	1261
05-20-96 10:00	5.7	1089	1108
05-20-96 11:00	6.1	1263	1312
05-20-96 12:00	5.6	1201	1253
05-20-96 13:00	5.6	1171	1242
05-20-96 14:00	4.9	1051	1125
05-20-96 15:00	5.5	1084	1129
05-20-96 16:00	8.0	1286	1248
05-20-96 17:00	6.3	1303	1357
05-20-96 18:00	5.7	1298	1424
05-20-96 19:00	5.3	1189	1278
05-20-96 20:00	5.5	1188	1260
05-20-96 21:00	5.9	1328	1384
05-20-96 22:00	5.4	1284	1373
05-20-96 23:00	5.5	1181	1296
05-21-96 00:00	7.0	1457	1579
05-21-96 01:00	5.9	1422	1551
05-21-96 02:00	6.1	1364	1469
05-21-96 03:00	6.8	1438	1459
05-21-96 04:00	7.1	1259	1372
05-21-96 05:00	6.5	1338	1376
05-21-96 06:00	6.2	1244	1275
05-21-96 07:00	6.3	1170	1197
05-21-96 08:00	6.1	1155	1174
05-21-96 09:00	6.7	1311	1288
05-21-96 10:00	7.2	1427	1418
05-21-96 11:00	7.2	1238	1296
05-21-96 12:00	6.7	1254	1286
05-21-96 13:00	6.3	1182	1209
05-21-96 14:00	5.8	1136	1179
05-21-96 15:00	5.1	1360	1313

Process up

Koppers Industries
Tie Plant Road
Daily Summary

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FROM 04/01/96 00:00 TO 07/01/96 23:59

Date/ Time	Opacity %	Cell 1 F	Cell 2 F
05-21-96 16:00	5.1	1182	1232
05-21-96 17:00	5.9	1199	1233
05-21-96 18:00	6.0	1214	1271
05-21-96 19:00	4.9	844	955
05-21-96 20:00	18.1	832	577
05-21-96 21:00	7.5	996	691
05-21-96 22:00	12.1	1152	1073
05-21-96 23:00	4.9	1153	1097
05-22-96 00:00	5.8	1177	1133
05-22-96 01:00	7.8	1073	959
05-22-96 02:00	4.0	1342	1178
05-22-96 03:00	4.0	1518	1431
05-22-96 04:00	5.5	1331	1322
05-22-96 05:00	5.9	1138	1293
05-22-96 06:00	5.5	1312	1510
05-22-96 07:00	4.3	1204	1305
05-22-96 08:00	4.9	983	1129
05-22-96 09:00	10.8	392	479
05-22-96 10:00	14.1	807	808
05-22-96 11:00	6.1	1454	1485
05-22-96 12:00	4.6	1412	1496
05-22-96 13:00	4.1	1180	1243
05-22-96 14:00	4.4	1081	1115
05-22-96 15:00	10.0	841	816
05-22-96 16:00	5.6	1023	1099
05-22-96 17:00	5.7	930	1038
05-22-96 18:00	4.3	1127	1210
05-22-96 19:00	3.8	1164	1255
05-22-96 20:00	4.1	1195	1274
05-22-96 21:00	7.8	981	1087
05-22-96 22:00	5.8	1105	1080
05-22-96 23:00	4.2	1048	1122
05-23-96 00:00	3.9	1149	1221
05-23-96 01:00	4.1	1102	1187
05-23-96 02:00	7.3	1106	1215
05-23-96 03:00	9.7	942	871
05-23-96 04:00	6.6	1089	1217
05-23-96 05:00	4.5	1173	1237
05-23-96 06:00	3.9	1125	1139
05-23-96 07:00	4.9	1093	1121
05-23-96 08:00	5.0	1136	1147
05-23-96 09:00	6.3	969	999
05-23-96 10:00	5.5	1035	1006
05-23-96 11:00	8.8	1006	968
05-23-96 12:00	4.6	1010	1023

Koppers Industries
Tie Plant Road
Daily Summary

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FROM 04/01/96 00:00 TO 07/01/96 23:59

Date/ Time	Opacity %	Cell 1 F	Cell 2 F
05-23-96 13:00	5.9	909	964
05-23-96 14:00	7.2	863	868
05-23-96 15:00	8.1	1138	688
05-23-96 16:00	4.8	1397	1221
05-23-96 17:00	4.2	1399	1242
05-23-96 18:00	4.1	1448	1342
05-23-96 19:00	4.2	1547	1521
05-23-96 20:00	3.8	1338	1225
05-23-96 21:00	4.6	1205	1178
05-23-96 22:00	4.7	1246	1205
05-23-96 23:00	4.6	1282	1311
05-24-96 00:00	4.4	1272	1313
05-24-96 01:00	4.3	1323	1244
05-24-96 02:00	4.6	1222	1209
05-24-96 03:00	5.6	1365	1387
05-24-96 04:00	6.5	1189	1254
05-24-96 05:00	4.6	1096	1170
05-24-96 06:00	4.5	1139	1110
05-24-96 07:00	4.9	1190	1123
05-24-96 08:00	5.8	1158	1144
05-24-96 09:00	6.3	1078	1094
05-24-96 10:00	10.1	1106	1003
05-24-96 11:00	4.5	1296	1174
05-24-96 12:00	4.4	1302	1218
05-24-96 13:00	4.8	1400	1376
05-24-96 14:00	5.1	1090	1137
05-24-96 15:00	6.7	838	963
05-24-96 16:00	7.3	1098	979
05-24-96 17:00	4.8	1033	1058
05-24-96 18:00	4.4	1110	1151
05-24-96 19:00	5.0	1063	1088
05-24-96 20:00	5.0	1235	1267
05-24-96 21:00	4.5	1204	1240
05-24-96 22:00	4.5	1109	1185
05-24-96 23:00	4.7	1128	1198
05-25-96 00:00	4.1	1267	1342
05-25-96 01:00	4.4	1340	1386
05-25-96 02:00	4.7	1159	1220
05-25-96 03:00	11.0	875	854
05-25-96 04:00	6.2	1163	1325
05-25-96 05:00	4.3	1043	1136
05-25-96 06:00	6.2	1354	989
05-25-96 07:00	3.9	1296	1306
05-25-96 08:00	4.6	1268	1204
05-25-96 09:00	4.5	1324	1306



Koppers Industries
Tie Plant Road
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FROM 04/01/96 00:00 TO 07/01/96 23:59

Date/ Time	Opacity %	Cell 1 F	Cell 2 F
05-25-96 10:00	4.2	1253	1263
05-25-96 11:00	4.4	1233	1259
05-25-96 12:00	4.8	986	1097
05-25-96 13:00	11.5	439	536
05-25-96 14:00	14.9	319	370
05-25-96 15:00	18.2	1040	907
05-25-96 16:00	6.0	1059	993
05-25-96 17:00	3.9	1379	1318
05-25-96 18:00	3.3	1311	1387
05-25-96 19:00	3.4	1236	1288
05-25-96 20:00	4.7	962	1066
05-25-96 21:00	5.8	618	635
05-25-96 22:00	7.5	325	368
05-25-96 23:00	7.5	283	324
05-26-96 00:00	11.7	448	371
05-26-96 01:00	4.2	1234	1157
05-26-96 02:00	5.4	882	908
05-26-96 03:00	5.7	883	920
05-26-96 04:00	3.1	1114	1120
05-26-96 05:00	4.3	495	611
05-26-96 06:00	3.2	440	456
05-26-96 07:00	3.4	405	421
05-26-96 08:00	3.5	383	400
05-26-96 09:00	3.5	366	384
05-26-96 10:00	3.6	354	371
05-26-96 11:00	3.5	343	361
05-26-96 12:00	3.4	333	351
05-26-96 13:00	3.3	325	343
05-26-96 14:00	3.3	317	336
05-26-96 15:00	3.3	310	329
05-26-96 16:00	3.3	304	323
05-26-96 17:00	3.3	298	318
05-26-96 18:00	3.2	292	312
05-26-96 19:00	3.2	286	307
05-26-96 20:00	3.2	281	302
05-26-96 21:00	3.2	276	297
05-26-96 22:00	3.2	271	293
05-26-96 23:00	3.2	267	289
05-27-96 00:00	3.1	264	287
05-27-96 01:00	3.2	261	284
05-27-96 02:00	3.2	257	281
05-27-96 03:00	3.2	254	278
05-27-96 04:00	3.2	251	275
05-27-96 05:00	3.8	248	272
05-27-96 06:00	3.3	245	269

Process Down

Koppers Industries
Tie Plant Road
Daily Summary

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FROM 04/01/96 00:00 TO 07/01/96 23:59

Date/ Time	Opacity %	Cell 1 F	Cell 2 F
05-27-96 07:00	3.3	243	267
05-27-96 08:00	3.4	240	265
05-27-96 09:00	3.5	238	263
05-27-96 10:00	3.5	236	261
05-27-96 11:00	3.4	234	259
05-27-96 12:00	3.4	232	257
05-27-96 13:00	3.3	231	256
05-27-96 14:00	3.3	229	254
05-27-96 15:00	3.3	227	253
05-27-96 16:00	3.3	226	251
05-27-96 17:00	3.3	225	250
05-27-96 18:00	3.3	224	250
05-27-96 19:00	3.2	223	248
05-27-96 20:00	3.2	221	247
05-27-96 21:00	3.3	220	245
05-27-96 22:00	3.3	218	244
05-27-96 23:00	3.3	217	242
05-28-96 00:00	3.3	216	241
05-28-96 01:00	3.4	213	239
05-28-96 02:00	3.4	212	238
05-28-96 03:00	3.4	210	236
05-28-96 04:00	8.7	202	228
05-28-96 05:00	19.4	203	230
05-28-96 06:00	7.3	198	227
05-28-96 07:00	10.8	1182	1022
05-28-96 08:00	4.6	1493	1458
05-28-96 09:00	7.9	1261	1301
05-28-96 10:00	3.5	1136	1159
05-28-96 11:00	3.8	1087	1092
05-28-96 12:00	3.6	1172	1201
05-28-96 13:00	6.3	1032	1060
05-28-96 14:00	4.4	998	1022
05-28-96 15:00	4.3	947	1008
05-28-96 16:00	4.7	1003	1048
05-28-96 17:00	4.4	1092	1143
05-28-96 18:00	5.0	1192	1180
05-28-96 19:00	3.1	1195	1226
05-28-96 20:00	3.9	1242	1267
05-28-96 21:00	3.6	1032	1119
05-28-96 22:00	5.6	809	875
05-28-96 23:00	7.0	778	816
05-29-96 00:00	5.9	796	859
05-29-96 01:00	5.1	948	1014
05-29-96 02:00	3.9	1102	1225
05-29-96 03:00	3.9	1152	1124

Process UP

Koppers Industries
Tie Plant Road
Daily Summary

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FROM 04/01/96 00:00 TO 07/01/96 23:59

Date/ Time	Opacity %	Cell 1 F	Cell 2 F
05-29-96 04:00	4.4	1062	1143
05-29-96 05:00	4.4	1091	1066
05-29-96 06:00	3.8	1314	1273
05-29-96 07:00	5.1	1265	1325
05-29-96 08:00	4.3	1141	1137
05-29-96 09:00	4.7	1059	1068
05-29-96 10:00	4.5	1064	1127
05-29-96 11:00	4.8	1011	1077
05-29-96 12:00	3.8	1206	1208
05-29-96 13:00	4.2	1176	1205
05-29-96 14:00	4.0	1097	1173
05-29-96 15:00	4.4	1023	1077
05-29-96 16:00	4.2	1062	1087
05-29-96 17:00	5.6	1017	1043
05-29-96 18:00	4.7	1250	1323
05-29-96 19:00	5.0	1244	1289
05-29-96 20:00	4.8	1273	1098
05-29-96 21:00	4.1	1100	1133
05-29-96 22:00	4.9	1166	1212
05-29-96 23:00	4.5	1192	1260
05-30-96 00:00	4.6	1086	1179
05-30-96 01:00	4.9	1165	1216
05-30-96 02:00	4.9	1139	1229
05-30-96 03:00	5.8	1090	1077
05-30-96 04:00	6.1	996	1154
05-30-96 05:00	5.0	992	1040
05-30-96 06:00	4.4	993	1031
05-30-96 07:00	5.5	984	1036
05-30-96 08:00	5.4	1055	1126
05-30-96 09:00	5.4	1071	1143
05-30-96 10:00	5.8	1089	1136
05-30-96 11:00	6.9	1019	1033
05-30-96 12:00	5.2	1121	1079
05-30-96 13:00	5.3	1126	1209
05-30-96 14:00	5.3	1272	1356
05-30-96 15:00	5.3	1023	1057
05-30-96 16:00	5.3	1124	1123
05-30-96 17:00	5.3	1110	1158
05-30-96 18:00	5.5	1162	1207
05-30-96 19:00	5.0	1117	1210
05-30-96 20:00	5.2	1144	1177
05-30-96 21:00	5.0	1200	1247
05-30-96 22:00	5.3	1100	1119
05-30-96 23:00	5.1	1173	1265
05-31-96 00:00	5.5	1046	1126

FROM 04/01/96 00:00 TO 07/01/96 23:59

Date/ Time	Opacity %	Cell 1 F	Cell 2 F
05-31-96 01:00	5.0	970	981
05-31-96 02:00	5.5	1043	1085
05-31-96 03:00	5.6	1103	1144
05-31-96 04:00	7.5	1164	1246
05-31-96 05:00	5.4	1148	1237
05-31-96 06:00	5.0	1042	1147
05-31-96 07:00	5.4	993	1040
05-31-96 08:00	5.5	1106	1158
05-31-96 09:00	6.0	1238	1375
05-31-96 10:00	5.5	1101	1199
05-31-96 11:00	6.0	1132	1204
05-31-96 12:00	5.6	1201	1263
05-31-96 13:00	5.4	1029	1075
05-31-96 14:00	6.1	1174	1229
05-31-96 15:00	5.9	1010	1084
05-31-96 16:00	6.1	1062	1111
05-31-96 17:00	5.8	918	989
05-31-96 18:00	6.4	1067	1079
05-31-96 19:00	5.6	1075	1146
05-31-96 20:00	5.3	1017	1066
05-31-96 21:00	5.7	949	957
05-31-96 22:00	5.6	1082	1063
05-31-96 23:00	5.7	1170	1188
06-01-96 00:00	5.5	1066	1145
06-01-96 01:00	5.5	1020	1074
06-01-96 02:00	5.8	1049	1045
06-01-96 03:00	6.2	986	1004
06-01-96 04:00	7.3	646	947
06-01-96 05:00	6.8	448	537
06-01-96 06:00	3.7	440	468
06-01-96 07:00	3.8	417	442
06-01-96 08:00	3.8	399	422
06-01-96 09:00	3.8	385	407
06-01-96 10:00	3.8	372	394
06-01-96 11:00	3.8	362	384
06-01-96 12:00	3.7	353	374
06-01-96 13:00	3.7	344	365
06-01-96 14:00	3.7	335	357
06-01-96 15:00	3.6	328	350
06-01-96 16:00	3.6	322	343
06-01-96 17:00	4.5	314	336
06-01-96 18:00	3.9	307	329
06-01-96 19:00	3.7	303	325
06-01-96 20:00	3.7	296	319
06-01-96 21:00	3.7	290	314

Process Down

Koppers Industries
Tie Plant Road
Daily Summary

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FROM 04/01/96 00:00 TO 07/01/96 23:59

Date/ Time	Opacity %	Cell 1 F	Cell 2 F
06-01-96 22:00	3.7	283	307
06-01-96 23:00	3.7	279	303
06-02-96 00:00	3.7	276	300
06-02-96 01:00	3.7	272	296
06-02-96 02:00	3.6	267	292
06-02-96 03:00	3.6	263	288
06-02-96 04:00	3.7	260	285
06-02-96 05:00	4.2	256	282
06-02-96 06:00	3.7	253	279
06-02-96 07:00	3.8	250	276
06-02-96 08:00	3.8	247	273
06-02-96 09:00	4.0	245	271
06-02-96 10:00	4.0	242	269
06-02-96 11:00	3.9	240	267
06-02-96 12:00	3.9	238	265
06-02-96 13:00	3.8	236	263
06-02-96 14:00	3.8	234	261
06-02-96 15:00	3.8	232	259
06-02-96 16:00	3.8	230	257
06-02-96 17:00	3.8	229	256
06-02-96 18:00	3.8	227	253
06-02-96 19:00	3.8	225	251
06-02-96 20:00	3.8	223	250
06-02-96 21:00	3.8	221	248
06-02-96 22:00	3.8	219	246
06-02-96 23:00	3.8	217	244
06-03-96 00:00	3.8	216	242
06-03-96 01:00	3.8	214	241
06-03-96 02:00	3.8	213	240
06-03-96 03:00	3.8	211	238
06-03-96 04:00	3.8	200	226
06-03-96 05:00	15.3	720	780
06-03-96 06:00	5.8	1030	1234
06-03-96 07:00	5.6	1088	1232
06-03-96 08:00	5.2	1146	1285
06-03-96 09:00	5.2	1098	1203
06-03-96 10:00	5.4	1152	1274
06-03-96 11:00	5.1	1079	1205
06-03-96 12:00	5.2	993	1066
06-03-96 13:00	5.2	1057	1122
06-03-96 14:00	5.6	884	945
06-03-96 15:00	6.6	1066	1106
06-03-96 16:00	5.1	1109	1218
06-03-96 17:00	4.9	969	1064
06-03-96 18:00	4.9	916	954

Process up

FROM 04/01/96 00:00 TO 07/01/96 23:59

Date/ Time	Opacity %	Cell 1 F	Cell 2 F
06-03-96 19:00	5.0	1055	1103
06-03-96 20:00	5.0	1024	1104
06-03-96 21:00	5.9	1077	1129
06-03-96 22:00	5.7	1205	1309
06-03-96 23:00	5.6	1146	1269
06-04-96 00:00	5.1	1076	1170
06-04-96 01:00	5.5	958	1015
06-04-96 02:00	5.3	1071	1145
06-04-96 03:00	6.1	1033	1061
06-04-96 04:00	9.6	923	951
06-04-96 05:00	8.3	885	920
06-04-96 06:00	8.4	691	927
06-04-96 07:00	6.4	838	972
06-04-96 08:00	5.4	1055	1086
06-04-96 09:00	5.1	1124	1190
06-04-96 10:00	5.1	1061	1118
06-04-96 11:00	5.8	1127	1197
06-04-96 12:00	8.2	1113	1188
06-04-96 13:00	4.8	1103	1196
06-04-96 14:00	4.9	1064	1150
06-04-96 15:00	4.9	1012	1075
06-04-96 16:00	7.6	1145	1246
06-04-96 17:00	5.9	1140	1287
06-04-96 18:00	5.7	1189	1284
06-04-96 19:00	5.3	1131	1231
06-04-96 20:00	5.4	1023	1115
06-04-96 21:00	5.7	967	1012
06-04-96 22:00	6.5	1070	1143
06-04-96 23:00	6.0	1170	1262
06-05-96 00:00	6.2	1144	1250
06-05-96 01:00	6.9	1265	1400
06-05-96 02:00	5.9	1220	1387
06-05-96 03:00	10.6	1190	1202
06-05-96 04:00	9.9	1145	1282
06-05-96 05:00	6.2	1195	1283
06-05-96 06:00	5.7	1114	1185
06-05-96 07:00	5.3	1095	1156
06-05-96 08:00	5.5	1050	1129
06-05-96 09:00	6.8	1066	1124
06-05-96 10:00	5.8	1080	1180
06-05-96 11:00	6.5	1205	1264
06-05-96 12:00	5.6	1165	1250
06-05-96 13:00	5.5	1099	1153
06-05-96 14:00	5.4	1174	1204
06-05-96 15:00	4.8	1438	1519

Koppers Industries
Tie Plant Road
Daily Summary

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FROM 04/01/96 00:00 TO 07/01/96 23:59

Date/ Time	Opacity %	Cell 1 F	Cell 2 F
06-05-96 16:00	4.5	1308	1422
06-05-96 17:00	4.4	1289	1372
06-05-96 18:00	5.1	1197	1302
06-05-96 19:00	5.2	1123	1223
06-05-96 20:00	4.8	1092	1193
06-05-96 21:00	4.6	1152	1234
06-05-96 22:00	6.3	1296	1461
06-05-96 23:00	5.1	1240	1364
06-06-96 00:00	6.9	837	933
06-06-96 01:00	11.0	1131	1200
06-06-96 02:00	5.0	1188	1302
06-06-96 03:00	5.2	1309	1452
06-06-96 04:00	6.9	1200	1175
06-06-96 05:00	6.1	1273	1347
06-06-96 06:00	5.7	1177	1251
06-06-96 07:00	6.3	1060	1137
06-06-96 08:00	8.6	1040	1031
06-06-96 09:00	8.0	1273	770
06-06-96 10:00	7.5	1124	653
06-06-96 11:00	7.0	1098	620
06-06-96 12:00	6.7	1110	608
06-06-96 13:00	9.0	1102	608
06-06-96 14:00	11.2	1006	642
06-06-96 15:00	5.5	970	1000
06-06-96 16:00	6.0	1184	1174
06-06-96 17:00	6.1	988	937
06-06-96 18:00	5.4	1068	920
06-06-96 19:00	4.9	1064	942
06-06-96 20:00	5.3	1063	927
06-06-96 21:00	5.5	1126	1018
06-06-96 22:00	4.9	1275	1215
06-06-96 23:00	4.8	1100	1071
06-07-96 00:00	5.7	1187	1130
06-07-96 01:00	4.9	1200	1182
06-07-96 02:00	5.2	1080	1046
06-07-96 03:00	5.3	1095	1022
06-07-96 04:00	12.8	1065	1055
06-07-96 05:00	5.7	1114	1247
06-07-96 06:00	4.6	998	1082
06-07-96 07:00	5.7	916	970
06-07-96 08:00	5.6	794	970
06-07-96 09:00	5.1	939	999
06-07-96 10:00	5.4	1111	1220
06-07-96 11:00	5.1	1049	1144
06-07-96 12:00	5.8	1093	1144

Koppers Industries
Tie Plant Road
Daily Summary

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FROM 04/01/96 00:00 TO 07/01/96 23:59

Date/ Time	Opacity %	Cell 1 F	Cell 2 F
06-07-96 13:00	4.9	973	1044
06-07-96 14:00	4.8	919	979
06-07-96 15:00	5.0	943	997
06-07-96 16:00	4.7	1049	1109
06-07-96 17:00	4.7	1085	1169
06-07-96 18:00	5.1	1117	1150
06-07-96 19:00	4.9	1176	1231
06-07-96 20:00	4.6	1111	1157
06-07-96 21:00	4.9	977	1010
06-07-96 22:00	5.3	912	947
06-07-96 23:00	5.2	936	950
06-08-96 00:00	5.1	983	1024
06-08-96 01:00	5.1	919	964
06-08-96 02:00	5.3	927	976
06-08-96 03:00	8.1	867	906
06-08-96 04:00	22.3	711	867
06-08-96 05:00	5.1	526	809
06-08-96 06:00	7.7	433	570
06-08-96 07:00	4.1	412	456
06-08-96 08:00	4.3	392	429
06-08-96 09:00	4.3	376	409
06-08-96 10:00	4.4	363	395
06-08-96 11:00	4.4	353	382
06-08-96 12:00	4.3	343	372
06-08-96 13:00	4.4	334	362
06-08-96 14:00	4.4	321	351
06-08-96 15:00	4.3	317	344
06-08-96 16:00	4.3	309	336
06-08-96 17:00	4.3	303	330
06-08-96 18:00	4.3	295	322
06-08-96 19:00	4.2	291	317
06-08-96 20:00	4.2	285	311
06-08-96 21:00	4.2	280	306
06-08-96 22:00	4.2	275	301
06-08-96 23:00	4.2	270	296
06-09-96 00:00	4.2	266	292
06-09-96 01:00	4.2	262	288
06-09-96 02:00	4.2	258	285
06-09-96 03:00	4.2	255	281
06-09-96 04:00	4.2	251	279
06-09-96 05:00	4.7	248	276
06-09-96 06:00	4.2	245	273
06-09-96 07:00	4.3	243	270
06-09-96 08:00	4.3	240	268
06-09-96 09:00	4.3	238	265

Process Down

Koppers Industries
Tie Plant Road
Daily Summary

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FROM 04/01/96 00:00 TO 07/01/96 23:59

Date/ Time	Opacity %	Cell 1 F	Cell 2 F
06-09-96 10:00	4.4	235	263
06-09-96 11:00	4.4	233	261
06-09-96 12:00	4.2	231	259
06-09-96 13:00	4.3	229	257
06-09-96 14:00	4.2	227	255
06-09-96 15:00	4.2	226	253
06-09-96 16:00	4.2	224	252
06-09-96 17:00	4.2	223	250
06-09-96 18:00	4.2	221	248
06-09-96 19:00	4.1	219	247
06-09-96 20:00	4.1	217	245
06-09-96 21:00	4.1	216	243
06-09-96 22:00	4.1	214	241
06-09-96 23:00	4.1	212	240
06-10-96 00:00	4.1	211	238
06-10-96 01:00	4.1	209	237
06-10-96 02:00	4.1	208	235
06-10-96 03:00	8.2	212	235
06-10-96 04:00	8.7	1029	1154
06-10-96 05:00	6.4	1135	1297
06-10-96 06:00	5.8	1200	1343
06-10-96 07:00	5.2	1140	1274
06-10-96 08:00	5.8	1023	1076
06-10-96 09:00	6.2	1209	1329
06-10-96 10:00	5.7	1136	1278
06-10-96 11:00	5.3	992	1089
06-10-96 12:00	6.1	1097	1170
06-10-96 13:00	5.4	1031	1101
06-10-96 14:00	5.8	1134	1213
06-10-96 15:00	5.2	1080	1200
06-10-96 16:00	5.1	1013	1086
06-10-96 17:00	5.3	869	928
06-10-96 18:00	5.4	833	894
06-10-96 19:00	5.6	1066	1091
06-10-96 20:00	5.8	1201	1299
06-10-96 21:00	5.0	1015	1111
06-10-96 22:00	14.9	960	1020
06-10-96 23:00	4.5	1118	1286
06-11-96 00:00	5.2	1065	1168
06-11-96 01:00	5.0	1100	1241
06-11-96 02:00	4.9	991	1092
06-11-96 03:00	5.3	1014	1076
06-11-96 04:00	11.0	991	983
06-11-96 05:00	6.0	984	1058
06-11-96 06:00	5.8	1059	1180

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Process WP

Koppers Industries
Tie Plant Road
Daily Summary

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FROM 04/01/96 00:00 TO 07/01/96 23:59

Date/ Time	Opacity %	Cell 1 F	Cell 2 F
06-11-96 07:00	5.8	976	1085
06-11-96 08:00	6.4	1014	1119
06-11-96 09:00	5.9	900	982
06-11-96 10:00	5.7	891	957
06-11-96 11:00	5.7	962	1073
06-11-96 12:00	5.5	885	970
06-11-96 13:00	5.7	840	894
06-11-96 14:00	5.8	838	886
06-11-96 15:00	6.0	1017	1098
06-11-96 16:00	6.0	1096	1221
06-11-96 17:00	5.7	1200	1025
06-11-96 18:00	5.6	1190	689
06-11-96 19:00	6.2	1208	692
06-11-96 20:00	6.9	1160	644
06-11-96 21:00	7.1	1228	693
06-11-96 22:00	6.1	1114	619
06-11-96 23:00	6.1	1196	804
06-12-96 00:00	5.1	1010	1103
06-12-96 01:00	6.2	964	998
06-12-96 02:00	5.9	1100	1240
06-12-96 03:00	22.4	1068	1007
06-12-96 04:00	11.2	864	936
06-12-96 05:00	6.6	729	756
06-12-96 06:00	11.8	690	743
06-12-96 07:00	8.8	562	672
06-12-96 08:00	-9999.0	-9999	-9999
06-12-96 09:00	-9999.0	-9999	-9999
06-12-96 10:00	-9999.0	-9999	-9999
06-12-96 11:00	-9999.0	-9999	-9999
06-12-96 12:00	1.3	363	384
06-12-96 13:00	17.7	881	883
06-12-96 14:00	6.2	1092	1081
06-12-96 15:00	5.7	1132	1033
06-12-96 16:00	5.1	1059	1190
06-12-96 17:00	5.1	1024	1163
06-12-96 18:00	4.8	1048	1206
06-12-96 19:00	4.9	976	1098
06-12-96 20:00	4.8	945	1052
06-12-96 21:00	5.3	994	1118
06-12-96 22:00	4.8	896	1013
06-12-96 23:00	5.2	950	1025
06-13-96 00:00	4.6	1012	1078
06-13-96 01:00	5.8	1075	1178
06-13-96 02:00	5.1	1018	1175
06-13-96 03:00	6.8	956	1018

Process Down

Power Outage

Process up

Koppers Industries
Tie Plant Road
Daily Summary

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FROM 04/01/96 00:00 TO 07/01/96 23:59

Date/ Time	Opacity %	Cell 1 F	Cell 2 F
06-13-96 04:00	7.3	803	926
06-13-96 05:00	6.9	828	880
06-13-96 06:00	5.5	789	863
06-13-96 07:00	5.5	782	831
06-13-96 08:00	6.9	797	941
06-13-96 09:00	7.3	887	1009
06-13-96 10:00	7.5	1051	1270
06-13-96 11:00	5.4	1016	1123
06-13-96 12:00	5.8	1055	1140
06-13-96 13:00	6.5	1052	1135
06-13-96 14:00	5.6	1063	1143
06-13-96 15:00	5.8	905	997
06-13-96 16:00	6.5	1019	1111
06-13-96 17:00	5.7	1004	1122
06-13-96 18:00	6.2	953	1021
06-13-96 19:00	6.2	985	1010
06-13-96 20:00	5.9	939	998
06-13-96 21:00	6.2	1060	1104
06-13-96 22:00	6.2	1009	1048
06-13-96 23:00	6.7	1078	1096
06-14-96 00:00	6.7	1277	1412
06-14-96 01:00	5.7	1001	1106
06-14-96 02:00	6.7	1144	1262
06-14-96 03:00	7.2	1207	1251
06-14-96 04:00	12.5	966	1168
06-14-96 05:00	6.0	1015	1107
06-14-96 06:00	6.0	916	967
06-14-96 07:00	5.6	977	1026
06-14-96 08:00	5.5	986	1087
06-14-96 09:00	5.9	917	972
06-14-96 10:00	6.2	1026	1106
06-14-96 11:00	6.0	1032	1140
06-14-96 12:00	5.9	913	963
06-14-96 13:00	6.0	978	1030
06-14-96 14:00	5.5	1008	1034
06-14-96 15:00	5.6	1033	1076
06-14-96 16:00	6.0	1084	1129
06-14-96 17:00	5.6	1061	1170
06-14-96 18:00	5.8	978	1033
06-14-96 19:00	6.2	875	922
06-14-96 20:00	5.9	983	1045
06-14-96 21:00	6.3	1022	1081
06-14-96 22:00	6.4	949	1013
06-14-96 23:00	7.8	1265	1321
06-15-96 00:00	6.3	1196	1319

Koppers Industries
Tie Plant Road
Daily Summary

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FROM 04/01/96 00:00 TO 07/01/96 23:59

Date/ Time	Opacity %	Cell 1 F	Cell 2 F
06-15-96 01:00	6.2	979	1034
06-15-96 02:00	6.2	1040	1107
06-15-96 03:00	6.6	1055	1120
06-15-96 04:00	6.7	916	1065
06-15-96 05:00	8.1	635	1081
06-15-96 06:00	6.7	452	538
06-15-96 07:00	4.7	438	470
06-15-96 08:00	4.9	416	446
06-15-96 09:00	5.0	399	427
06-15-96 10:00	5.0	386	413
06-15-96 11:00	5.0	374	400
06-15-96 12:00	4.9	364	389
06-15-96 13:00	4.9	353	379
06-15-96 14:00	4.9	345	370
06-15-96 15:00	4.9	336	362
06-15-96 16:00	4.9	329	354
06-15-96 17:00	4.9	321	346
06-15-96 18:00	4.9	314	339
06-15-96 19:00	4.9	307	333
06-15-96 20:00	4.9	301	326
06-15-96 21:00	4.9	295	320
06-15-96 22:00	4.9	289	315
06-15-96 23:00	4.9	284	310
06-16-96 00:00	4.9	279	305
06-16-96 01:00	4.9	274	301
06-16-96 02:00	4.9	270	297
06-16-96 03:00	4.9	266	293
06-16-96 04:00	4.9	263	289
06-16-96 05:00	5.4	259	286
06-16-96 06:00	4.9	256	283
06-16-96 07:00	4.9	254	281
06-16-96 08:00	5.0	252	279
06-16-96 09:00	5.1	250	277
06-16-96 10:00	5.1	248	276
06-16-96 11:00	5.1	246	274
06-16-96 12:00	5.1	244	271
06-16-96 13:00	5.0	242	269
06-16-96 14:00	5.0	240	267
06-16-96 15:00	5.0	238	265
06-16-96 16:00	5.0	236	264
06-16-96 17:00	5.0	234	262
06-16-96 18:00	5.0	232	260
06-16-96 19:00	5.0	230	258
06-16-96 20:00	5.0	228	256
06-16-96 21:00	5.0	226	254

Process Down

Koppers Industries
Tie Plant Road
Daily Summary

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FROM 04/01/96 00:00 TO 07/01/96 23:59

Date/ Time	Opacity %	Cell 1 F	Cell 2 F
06-16-96 22:00	5.0	225	252
06-16-96 23:00	5.0	223	251
06-17-96 00:00	5.0	221	249
06-17-96 01:00	5.0	220	248
06-17-96 02:00	5.0	218	246
06-17-96 03:00	5.0	216	244
06-17-96 04:00	18.6	1012	1185
06-17-96 05:00	6.5	1055	1252
06-17-96 06:00	6.4	957	1124
06-17-96 07:00	6.6	1068	1212
06-17-96 08:00	6.4	1014	1147
06-17-96 09:00	7.6	1231	1392
06-17-96 10:00	6.7	1217	1399
06-17-96 11:00	6.5	1158	1305
06-17-96 12:00	7.4	1273	1452
06-17-96 13:00	6.7	1151	1304
06-17-96 14:00	6.7	1119	1214
06-17-96 15:00	6.3	1087	1183
06-17-96 16:00	7.6	1281	1403
06-17-96 17:00	6.7	1262	1397
06-17-96 18:00	6.0	1126	1234
06-17-96 19:00	6.8	1231	1344
06-17-96 20:00	6.7	1244	1394
06-17-96 21:00	6.1	1142	1238
06-17-96 22:00	6.5	1167	1276
06-17-96 23:00	6.5	1105	1193
06-18-96 00:00	6.8	1131	1232
06-18-96 01:00	6.4	1123	1233
06-18-96 02:00	7.0	1208	1314
06-18-96 03:00	7.8	1299	1370
06-18-96 04:00	8.3	1108	1246
06-18-96 05:00	7.0	1190	1308
06-18-96 06:00	6.6	1174	1298
06-18-96 07:00	7.1	1119	1220
06-18-96 08:00	7.3	1191	1294
06-18-96 09:00	7.0	1121	1224
06-18-96 10:00	8.0	1216	1342
06-18-96 11:00	7.5	1079	1195
06-18-96 12:00	7.8	1107	1223
06-18-96 13:00	7.4	1013	1136
06-18-96 14:00	8.3	691	1067
06-18-96 15:00	9.3	855	1166
06-18-96 16:00	6.8	1074	1100
06-18-96 17:00	7.7	1079	1155
06-18-96 18:00	8.0	1156	1288

Process up

FROM 04/01/96 00:00 TO 07/01/96 23:59

Date/ Time	Opacity %	Cell 1 F	Cell 2 F
06-18-96 19:00	8.2	1174	1232
06-18-96 20:00	7.3	1137	1170
06-18-96 21:00	7.2	1054	1164
06-18-96 22:00	7.1	1060	1177
06-18-96 23:00	7.4	1100	1221
06-19-96 00:00	7.5	1136	1267
06-19-96 01:00	23.4	848	829
06-19-96 02:00	9.0	1421	1624
06-19-96 03:00	14.0	1014	860
06-19-96 04:00	10.7	1203	1207
06-19-96 05:00	6.9	1100	1300
06-19-96 06:00	6.9	1032	1218
06-19-96 07:00	7.6	1109	1168
06-19-96 08:00	6.3	1057	1205
06-19-96 09:00	6.8	1133	1278
06-19-96 10:00	7.7	1312	1529
06-19-96 11:00	7.1	1134	1366
06-19-96 12:00	6.7	1088	1305
06-19-96 13:00	7.4	1091	1330
06-19-96 14:00	6.8	928	1128
06-19-96 15:00	7.6	865	1060
06-19-96 16:00	8.6	765	939
06-19-96 17:00	7.4	901	1106
06-19-96 18:00	7.0	995	1214
06-19-96 19:00	7.4	859	1060
06-19-96 20:00	7.6	812	996
06-19-96 21:00	7.5	833	1018
06-19-96 22:00	6.9	904	1088
06-19-96 23:00	7.0	904	1077
06-20-96 00:00	8.5	1017	1230
06-20-96 01:00	7.7	1169	1442
06-20-96 02:00	7.4	983	1193
06-20-96 03:00	9.3	968	1020
06-20-96 04:00	10.0	883	1110
06-20-96 05:00	7.9	991	1145
06-20-96 06:00	8.0	925	1121
06-20-96 07:00	7.6	904	1074
06-20-96 08:00	7.0	960	1126
06-20-96 09:00	7.9	940	1100
06-20-96 10:00	8.1	1147	1377
06-20-96 11:00	7.7	1059	1278
06-20-96 12:00	9.1	1111	1314
06-20-96 13:00	7.5	1002	1153
06-20-96 14:00	7.6	981	1122
06-20-96 15:00	8.2	934	1084

Koppers Industries
Tie Plant Road
Daily Summary

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FROM 04/01/96 00:00 TO 07/01/96 23:59

Date/ Time	Opacity %	Cell 1 F	Cell 2 F
06-20-96 16:00	8.1	1046	1209
06-20-96 17:00	8.5	1019	1175
06-20-96 18:00	8.3	1018	1189
06-20-96 19:00	7.8	1008	1156
06-20-96 20:00	7.6	974	1126
06-20-96 21:00	7.6	931	1092
06-20-96 22:00	7.3	950	1098
06-20-96 23:00	8.1	987	1134
06-21-96 00:00	7.7	940	1084
06-21-96 01:00	8.3	890	1031
06-21-96 02:00	7.8	988	1144
06-21-96 03:00	8.6	1018	1183
06-21-96 04:00	11.0	1099	1141
06-21-96 05:00	10.1	866	1136
06-21-96 06:00	7.1	906	989
06-21-96 07:00	7.0	930	1048
06-21-96 08:00	7.6	1003	1150
06-21-96 09:00	8.6	1064	1239
06-21-96 10:00	8.2	1045	1214
06-21-96 11:00	8.5	1089	1273
06-21-96 12:00	7.7	915	1062
06-21-96 13:00	8.7	981	1139
06-21-96 14:00	7.9	1028	1186
06-21-96 15:00	7.8	970	1133
06-21-96 16:00	8.9	1053	1240
06-21-96 17:00	12.0	1004	1017
06-21-96 18:00	7.9	932	1072
06-21-96 19:00	7.4	959	1095
06-21-96 20:00	7.6	917	1062
06-21-96 21:00	7.8	921	1058
06-21-96 22:00	8.3	979	1154
06-21-96 23:00	8.2	939	1099
06-22-96 00:00	8.2	933	1074
06-22-96 01:00	8.2	905	1030
06-22-96 02:00	8.6	1057	1226
06-22-96 03:00	8.8	1076	1234
06-22-96 04:00	12.0	882	1014
06-22-96 05:00	7.9	1092	1179
06-22-96 06:00	7.9	1030	1174
06-22-96 07:00	8.5	980	1119
06-22-96 08:00	8.7	1184	1347
06-22-96 09:00	8.1	1071	1208
06-22-96 10:00	8.7	1163	1332
06-22-96 11:00	8.0	1058	1209
06-22-96 12:00	9.2	1114	1022

Koppers Industries
Tie Plant Road
Daily Summary

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FROM 04/01/96 00:00 TO 07/01/96 23:59

Date/ Time	Opacity %	Cell 1 F	Cell 2 F
06-22-96 13:00	10.0	1166	629
06-22-96 14:00	10.2	647	461
06-22-96 15:00	24.5	417	492
06-22-96 16:00	10.3	1126	1026
06-22-96 17:00	10.7	857	893
06-22-96 18:00	9.8	893	916
06-22-96 19:00	8.6	1001	1036
06-22-96 20:00	8.1	893	947
06-22-96 21:00	8.0	1005	1082
06-22-96 22:00	8.3	915	985
06-22-96 23:00	9.1	784	854
06-23-96 00:00	9.7	893	969
06-23-96 01:00	8.6	913	982
06-23-96 02:00	8.9	912	962
06-23-96 03:00	9.1	921	974
06-23-96 04:00	11.6	861	941
06-23-96 05:00	12.1	575	919
06-23-96 06:00	5.4	442	469
06-23-96 07:00	5.4	417	434
06-23-96 08:00	5.5	395	410
06-23-96 09:00	5.6	379	393
06-23-96 10:00	5.5	366	381
06-23-96 11:00	5.4	355	370
06-23-96 12:00	5.3	345	361
06-23-96 13:00	5.2	337	352
06-23-96 14:00	5.2	329	344
06-23-96 15:00	5.2	321	337
06-23-96 16:00	5.2	314	331
06-23-96 17:00	5.2	308	325
06-23-96 18:00	5.1	301	319
06-23-96 19:00	5.2	295	314
06-23-96 20:00	5.3	290	308
06-23-96 21:00	5.4	284	304
06-23-96 22:00	5.4	279	299
06-23-96 23:00	5.4	275	295
06-24-96 00:00	5.5	270	291
06-24-96 01:00	5.5	266	287
06-24-96 02:00	5.5	262	283
06-24-96 03:00	5.5	259	280
06-24-96 04:00	6.3	242	263
06-24-96 05:00	10.1	1064	1220
06-24-96 06:00	7.8	1004	1128
06-24-96 07:00	7.3	909	1006
06-24-96 08:00	8.1	1006	1093
06-24-96 09:00	8.1	1154	1340

Process Down

Process up

Koppers Industries
Tie Plant Road
Daily Summary

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FROM 04/01/96 00:00 TO 07/01/96 23:59

Date/ Time	Opacity %	Cell 1 F	Cell 2 F
06-24-96 10:00	8.2	1164	1228
06-24-96 11:00	7.8	1195	1380
06-24-96 12:00	7.9	1138	1295
06-24-96 13:00	7.7	1074	1220
06-24-96 14:00	8.1	1104	1247
06-24-96 15:00	8.6	1315	1477
06-24-96 16:00	8.8	1300	1498
06-24-96 17:00	7.7	1199	1370
06-24-96 18:00	7.8	1230	1401
06-24-96 19:00	8.3	1296	1451
06-24-96 20:00	7.9	1220	1368
06-24-96 21:00	7.7	1351	1494
06-24-96 22:00	7.6	1355	1502
06-24-96 23:00	7.8	1306	1434
06-25-96 00:00	8.5	1352	1562
06-25-96 01:00	8.8	1314	1504
06-25-96 02:00	8.1	1249	1430
06-25-96 03:00	9.1	1317	1354
06-25-96 04:00	9.2	1123	1408
06-25-96 05:00	8.0	1190	1363
06-25-96 06:00	7.4	1008	1158
06-25-96 07:00	9.4	1004	1137
06-25-96 08:00	8.4	1140	1286
06-25-96 09:00	8.7	1177	1349
06-25-96 10:00	8.0	1135	1275
06-25-96 11:00	8.2	1252	1392
06-25-96 12:00	-9999.0	1324	1461
06-25-96 13:00	-9999.0	1351	1471
06-25-96 14:00	-9999.0	1502	1634
06-25-96 15:00	-9999.0	1435	1582
06-25-96 16:00	-9999.0	1220	1375
06-25-96 17:00	8.7	1195	1355
06-25-96 18:00	8.8	1157	1303
06-25-96 19:00	12.1	1201	1196
06-25-96 20:00	8.5	1220	1311
06-25-96 21:00	8.5	1268	1399
06-25-96 22:00	7.9	1154	1258
06-25-96 23:00	8.5	1114	1204
06-26-96 00:00	8.7	1271	1400
06-26-96 01:00	7.9	1106	1178
06-26-96 02:00	8.8	1031	1125
06-26-96 03:00	10.8	1080	1125
06-26-96 04:00	10.0	936	923
06-26-96 05:00	113.7	966	1065
06-26-96 06:00	10.2	1066	1179

System Down Replace temp. Probes and
Recalibrate Opacity.

FROM 04/01/96 00:00 TO 07/01/96 23:59

Date/ Time	Opacity %	Cell 1 F	Cell 2 F
06-26-96 07:00	3108.2	1113	1256
06-26-96 08:00	-9999.0	1087	1187
06-26-96 09:00	1208.7	1160	1176
06-26-96 10:00	3108.2	1156	1129
06-26-96 11:00	-9999.0	1066	1119
06-26-96 12:00	23.3	1109	1214
06-26-96 13:00	12.3	1258	1343
06-26-96 14:00	7.5	1023	1104
06-26-96 15:00	6.6	1029	1100
06-26-96 16:00	20.4	714	718
06-26-96 17:00	15.8	1249	1245
06-26-96 18:00	6.3	1000	994
06-26-96 19:00	5.7	1051	1114
06-26-96 20:00	5.8	940	972
06-26-96 21:00	6.0	1082	1086
06-26-96 22:00	5.7	1092	1115
06-26-96 23:00	6.1	1157	1181
06-27-96 00:00	6.9	1408	1430
06-27-96 01:00	6.2	1130	1158
06-27-96 02:00	7.1	1293	1333
06-27-96 03:00	6.4	1137	1172
06-27-96 04:00	10.3	1032	1072
06-27-96 05:00	6.1	1164	1272
06-27-96 06:00	6.5	1126	1229
06-27-96 07:00	5.5	1137	1255
06-27-96 08:00	6.2	998	1109
06-27-96 09:00	5.5	1039	1151
06-27-96 10:00	5.0	1007	1102
06-27-96 11:00	5.2	998	1080
06-27-96 12:00	5.7	1047	1133
06-27-96 13:00	5.5	949	1056
06-27-96 14:00	5.7	883	965
06-27-96 15:00	6.4	1096	1182
06-27-96 16:00	5.8	1091	1195
06-27-96 17:00	5.4	977	1069
06-27-96 18:00	5.0	928	1040
06-27-96 19:00	5.3	912	996
06-27-96 20:00	4.7	933	1003
06-27-96 21:00	5.2	911	981
06-27-96 22:00	5.7	999	1091
06-27-96 23:00	6.2	1180	1342
06-28-96 00:00	5.2	1065	1183
06-28-96 01:00	6.0	1116	1209
06-28-96 02:00	6.3	1116	1216
06-28-96 03:00	7.7	1187	1195

System up

Koppers Industries
Tie Plant Road
Daily Summary

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FROM 04/01/96 00:00 TO 07/01/96 23:59

Date/ Time	Opacity %	Cell 1 F	Cell 2 F
06-28-96 04:00	8.0	1020	1157
06-28-96 05:00	5.6	987	1046
06-28-96 06:00	5.5	1011	1086
06-28-96 07:00	6.3	1081	1153
06-28-96 08:00	6.3	1148	1250
06-28-96 09:00	5.6	1070	1181
06-28-96 10:00	5.4	1067	1156
06-28-96 11:00	5.0	1005	1065
06-28-96 12:00	5.9	1142	1247
06-28-96 13:00	5.2	986	1093
06-28-96 14:00	5.3	953	1018
06-28-96 15:00	5.6	920	991
06-28-96 16:00	8.1	1004	1095
06-28-96 17:00	5.9	1065	1133
06-28-96 18:00	4.8	1011	1122
06-28-96 19:00	4.8	879	965
06-28-96 20:00	4.9	853	910
06-28-96 21:00	5.2	944	1044
06-28-96 22:00	5.0	980	1082
06-28-96 23:00	5.7	1010	1113
06-29-96 00:00	5.7	945	1065
06-29-96 01:00	5.4	954	1073
06-29-96 02:00	5.3	910	986
06-29-96 03:00	5.9	968	1052
06-29-96 04:00	8.8	936	996
06-29-96 05:00	7.1	1074	1189
06-29-96 06:00	6.2	1031	1136
06-29-96 07:00	10.5	909	833
06-29-96 08:00	7.6	1032	1117
06-29-96 09:00	5.6	1076	1189
06-29-96 10:00	5.6	1006	1128
06-29-96 11:00	8.0	851	959
06-29-96 12:00	12.2	1033	997
06-29-96 13:00	5.1	1003	1071
06-29-96 14:00	6.0	1004	1112
06-29-96 15:00	11.6	1093	989
06-29-96 16:00	11.1	911	945
06-29-96 17:00	4.3	997	1057
06-29-96 18:00	4.7	1036	1090
06-29-96 19:00	4.2	1019	1144
06-29-96 20:00	4.3	945	1019
06-29-96 21:00	4.4	964	1007
06-29-96 22:00	4.9	916	971
06-29-96 23:00	6.3	886	935
06-30-96 00:00	10.5	943	930

Koppers Industries
Tie Plant Road
Daily Summary

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FROM 04/01/96 00:00 TO 07/01/96 23:59

Date/ Time	Opacity %	Cell 1 F	Cell 2 F
06-30-96 01:00	16.4	685	768
06-30-96 02:00	6.9	707	878
06-30-96 03:00	5.9	466	782
06-30-96 04:00	7.3	440	808
06-30-96 05:00	15.2	388	593
06-30-96 06:00	3.1	380	431
06-30-96 07:00	3.2	368	408
06-30-96 08:00	3.2	356	391
06-30-96 09:00	3.0	346	378
06-30-96 10:00	3.0	337	368
06-30-96 11:00	3.0	329	359
06-30-96 12:00	2.9	321	350
06-30-96 13:00	3.0	313	342
06-30-96 14:00	2.9	306	335
06-30-96 15:00	2.9	300	329
06-30-96 16:00	2.9	294	323
06-30-96 17:00	2.8	289	317
06-30-96 18:00	2.8	283	312
06-30-96 19:00	2.9	278	307
06-30-96 20:00	3.1	274	302
06-30-96 21:00	3.1	269	298
06-30-96 22:00	3.2	265	294
06-30-96 23:00	3.2	261	290
07-01-96 00:00	3.3	258	286
07-01-96 01:00	3.2	255	283
07-01-96 02:00	3.2	252	280
07-01-96 03:00	9.3	254	280
07-01-96 04:00	7.2	1174	1446
07-01-96 05:00	5.2	949	1135
07-01-96 06:00	5.1	910	1041
07-01-96 07:00	4.5	856	1004
07-01-96 08:00	4.6	930	1036
07-01-96 09:00	4.4	1368	1355
07-01-96 10:00	4.1	1163	1137
07-01-96 11:00	4.4	1091	1135
07-01-96 12:00	4.5	978	1006
07-01-96 13:00	4.3	984	986
07-01-96 14:00	4.5	1036	1005
07-01-96 15:00	5.2	1205	1248
07-01-96 16:00	5.7	1046	1082
07-01-96 17:00	7.0	950	979
07-01-96 18:00	8.8	843	888
07-01-96 19:00	10.9	851	842
07-01-96 20:00	4.1	934	936
07-01-96 21:00	5.7	837	839

Process Down

Process up

Koppers Industries
Tie Plant Road
Daily Summary

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FROM 04/01/96 00:00 TO 07/01/96 23:59

Date/ Time	Opacity %	Cell 1 F	Cell 2 F
07-01-96 22:00	6.0	882	854
07-01-96 23:00	4.2	1021	1000



FROM 07/01/96 00:00 TO 10/01/96 23:59



Date/ Time	Opacity %	Cell 1 F	Cell 2 F
07-01-96 00:00	3.3	258	286
07-01-96 01:00	3.2	255	283
07-01-96 02:00	3.2	252	280
07-01-96 03:00	9.3	254	280
07-01-96 04:00	7.2	1174	1446
07-01-96 05:00	5.2	949	1135
07-01-96 06:00	5.1	910	1041
07-01-96 07:00	4.5	856	1004
07-01-96 08:00	4.6	930	1036
07-01-96 09:00	4.4	1368	1355
07-01-96 10:00	4.1	1163	1137
07-01-96 11:00	4.4	1091	1135
07-01-96 12:00	4.5	978	1006
07-01-96 13:00	4.3	984	986
07-01-96 14:00	4.5	1036	1005
07-01-96 15:00	5.2	1205	1248
07-01-96 16:00	5.7	1046	1082
07-01-96 17:00	7.0	950	979
07-01-96 18:00	8.8	843	888
07-01-96 19:00	10.9	851	842
07-01-96 20:00	4.1	934	936
07-01-96 21:00	5.7	837	839
07-01-96 22:00	6.0	882	854
07-01-96 23:00	4.2	1021	1000
07-02-96 00:00	6.0	1084	1100
07-02-96 01:00	4.2	1080	1028
07-02-96 02:00	4.3	1014	1107
07-02-96 03:00	4.8	1150	1118
07-02-96 04:00	6.6	1006	1144
07-02-96 05:00	5.1	997	1071
07-02-96 06:00	6.7	1081	1124
07-02-96 07:00	5.2	1150	1193
07-02-96 08:00	7.7	1079	1031
07-02-96 09:00	4.6	950	1003
07-02-96 10:00	4.3	1057	1173
07-02-96 11:00	4.3	1053	1114
07-02-96 12:00	4.9	984	1059
07-02-96 13:00	5.5	1034	1069
07-02-96 14:00	5.8	974	1038
07-02-96 15:00	5.9	1137	1222
07-02-96 16:00	4.9	1017	1125
07-02-96 17:00	5.2	938	997
07-02-96 18:00	5.1	1166	1262
07-02-96 19:00	4.1	1126	1246
07-02-96 20:00	4.3	1041	1135

Process Down

Process up

No Treated wood
Burn in 3rd Quarter
1996

Koppers Industries
Tie Plant Road
Daily Summary

Page 2

FROM 07/01/96 00:00 TO 10/01/96 23:59

Date/ Time	Opacity %	Cell 1 F	Cell 2 F
07-02-96 21:00	6.6	1065	1129
07-02-96 22:00	5.9	1273	1349
07-02-96 23:00	4.8	1037	1157
07-03-96 00:00	4.9	1103	1163
07-03-96 01:00	5.0	1070	1146
07-03-96 02:00	5.1	1035	1108
07-03-96 03:00	7.0	990	1022
07-03-96 04:00	8.7	887	933
07-03-96 05:00	6.1	923	977
07-03-96 06:00	5.7	952	989
07-03-96 07:00	5.3	1121	1212
07-03-96 08:00	5.5	1016	1009
07-03-96 09:00	11.6	787	674
07-03-96 10:00	7.3	1024	970
07-03-96 11:00	5.6	918	892
07-03-96 12:00	6.3	863	842
07-03-96 13:00	6.4	1077	986
07-03-96 14:00	6.5	1317	1344
07-03-96 15:00	5.2	1122	1130
07-03-96 16:00	6.0	981	931
07-03-96 17:00	5.5	1133	1089
07-03-96 18:00	5.6	1101	1043
07-03-96 19:00	7.6	899	865
07-03-96 20:00	6.9	1056	670
07-03-96 21:00	6.4	976	891
07-03-96 22:00	7.6	1058	1044
07-03-96 23:00	7.3	905	940
07-04-96 00:00	6.1	908	929
07-04-96 01:00	5.5	945	928
07-04-96 02:00	6.2	940	906
07-04-96 03:00	6.5	914	902
07-04-96 04:00	8.9	643	890
07-04-96 05:00	7.9	427	496
07-04-96 06:00	3.7	417	438
07-04-96 07:00	3.9	397	415
07-04-96 08:00	3.9	381	398
07-04-96 09:00	3.9	368	386
07-04-96 10:00	3.8	357	374
07-04-96 11:00	3.7	346	364
07-04-96 12:00	3.5	337	355
07-04-96 13:00	3.5	328	347
07-04-96 14:00	3.4	320	339
07-04-96 15:00	3.4	313	333
07-04-96 16:00	3.5	306	326
07-04-96 17:00	3.5	300	320

Process Down

Koppers Industries
Tie Plant Road
Daily Summary

Page 3

FROM 07/01/96 00:00 TO 10/01/96 23:59

Date/ Time	Opacity %	Cell 1 F	Cell 2 F
07-04-96 18:00	3.6	293	314
07-04-96 19:00	3.7	287	308
07-04-96 20:00	3.8	282	303
07-04-96 21:00	3.8	276	298
07-04-96 22:00	3.9	272	294
07-04-96 23:00	3.8	267	290
07-05-96 00:00	3.9	263	286
07-05-96 01:00	3.9	259	282
07-05-96 02:00	3.9	255	279
07-05-96 03:00	3.9	252	276
07-05-96 04:00	3.9	249	273
07-05-96 05:00	4.3	245	270
07-05-96 06:00	3.8	243	267
07-05-96 07:00	3.8	241	266
07-05-96 08:00	3.8	240	265
07-05-96 09:00	3.8	238	264
07-05-96 10:00	3.8	237	262
07-05-96 11:00	3.6	235	261
07-05-96 12:00	3.5	233	259
07-05-96 13:00	3.3	232	258
07-05-96 14:00	3.3	230	256
07-05-96 15:00	3.2	228	254
07-05-96 16:00	3.2	227	253
07-05-96 17:00	3.3	225	251
07-05-96 18:00	3.5	224	249
07-05-96 19:00	3.6	222	248
07-05-96 20:00	3.8	220	246
07-05-96 21:00	3.8	218	244
07-05-96 22:00	3.8	216	242
07-05-96 23:00	3.8	215	241
07-06-96 00:00	3.8	213	240
07-06-96 01:00	3.8	212	238
07-06-96 02:00	3.8	211	237
07-06-96 03:00	3.8	209	236
07-06-96 04:00	3.8	208	234
07-06-96 05:00	4.3	207	233
07-06-96 06:00	3.7	206	233
07-06-96 07:00	3.7	206	232
07-06-96 08:00	3.8	206	232
07-06-96 09:00	3.7	206	232
07-06-96 10:00	3.5	206	232
07-06-96 11:00	3.5	205	232
07-06-96 12:00	3.4	205	231
07-06-96 13:00	3.4	204	230
07-06-96 14:00	3.3	204	230



Koppers Industries
Tie Plant Road
Daily Summary

Page 4

FROM 07/01/96 00:00 TO 10/01/96 23:59

Date/ Time	Opacity %	Cell 1 F	Cell 2 F
07-06-96 15:00	3.3	203	229
07-06-96 16:00	3.4	202	229
07-06-96 17:00	3.3	202	228
07-06-96 18:00	3.4	202	228
07-06-96 19:00	3.5	201	228
07-06-96 20:00	3.6	200	227
07-06-96 21:00	3.7	200	226
07-06-96 22:00	3.7	199	225
07-06-96 23:00	3.7	198	225
07-07-96 00:00	3.8	198	224
07-07-96 01:00	3.8	197	223
07-07-96 02:00	3.8	196	223
07-07-96 03:00	3.8	196	222
07-07-96 04:00	3.7	195	222
07-07-96 05:00	4.2	195	221
07-07-96 06:00	3.7	195	221
07-07-96 07:00	3.7	195	221
07-07-96 08:00	3.8	194	221
07-07-96 09:00	3.7	194	220
07-07-96 10:00	3.7	194	220
07-07-96 11:00	3.6	193	220
07-07-96 12:00	3.5	193	220
07-07-96 13:00	3.5	193	220
07-07-96 14:00	3.4	193	220
07-07-96 15:00	3.4	193	220
07-07-96 16:00	3.3	193	220
07-07-96 17:00	3.3	193	219
07-07-96 18:00	3.3	193	219
07-07-96 19:00	3.4	193	219
07-07-96 20:00	3.4	192	219
07-07-96 21:00	3.5	192	218
07-07-96 22:00	3.5	192	218
07-07-96 23:00	3.6	192	218
07-08-96 00:00	3.6	192	218
07-08-96 01:00	3.6	191	217
07-08-96 02:00	3.6	190	217
07-08-96 03:00	3.7	190	217
07-08-96 04:00	18.6	978	679
07-08-96 05:00	9.1	1334	1567
07-08-96 06:00	8.5	1454	1670
07-08-96 07:00	6.5	1276	1422
07-08-96 08:00	7.2	1097	1241
07-08-96 09:00	11.1	1064	1036
07-08-96 10:00	5.6	1132	1069
07-08-96 11:00	6.2	1288	1245

Process up

Koppers Industries
Tie Plant Road
Daily Summary

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FROM 07/01/96 00:00 TO 10/01/96 23:59

Date/ Time	Opacity %	Cell 1 F	Cell 2 F
07-08-96 12:00	6.0	1250	1244
07-08-96 13:00	11.1	1019	1011
07-08-96 14:00	6.5	913	918
07-08-96 15:00	6.0	1179	1218
07-08-96 16:00	10.7	1063	1092
07-08-96 17:00	5.8	939	987
07-08-96 18:00	5.4	1005	1037
07-08-96 19:00	6.6	720	763
07-08-96 20:00	17.8	1180	1213
07-08-96 21:00	4.9	1227	1246
07-08-96 22:00	5.1	1139	1178
07-08-96 23:00	5.0	1157	1235
07-09-96 00:00	5.7	1292	1404
07-09-96 01:00	4.5	1139	1174
07-09-96 02:00	5.1	1129	1145
07-09-96 03:00	6.2	1184	1113
07-09-96 04:00	8.6	1015	1149
07-09-96 05:00	6.6	1159	1348
07-09-96 06:00	6.3	1182	1340
07-09-96 07:00	6.5	1269	1428
07-09-96 08:00	5.8	1132	1248
07-09-96 09:00	6.9	926	978
07-09-96 10:00	6.4	1047	1128
07-09-96 11:00	6.3	1024	1085
07-09-96 12:00	5.8	1050	1193
07-09-96 13:00	5.8	959	1104
07-09-96 14:00	8.8	975	1106
07-09-96 15:00	6.6	1131	1290
07-09-96 16:00	6.7	1042	1177
07-09-96 17:00	5.8	1014	1156
07-09-96 18:00	6.1	965	1079
07-09-96 19:00	5.9	973	1076
07-09-96 20:00	5.8	1066	1215
07-09-96 21:00	5.9	1037	1159
07-09-96 22:00	5.8	1106	1253
07-09-96 23:00	5.9	1129	1285
07-10-96 00:00	6.0	1096	1274
07-10-96 01:00	5.9	1045	1202
07-10-96 02:00	10.1	1144	986
07-10-96 03:00	7.4	1092	1138
07-10-96 04:00	8.2	959	1088
07-10-96 05:00	6.3	993	1105
07-10-96 06:00	6.6	1029	1119
07-10-96 07:00	6.6	1080	1207
07-10-96 08:00	6.5	1046	1191

Koppers Industries
Tie Plant Road
Daily Summary

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FROM 07/01/96 00:00 TO 10/01/96 23:59

Date/ Time	Opacity	Cell 1	Cell 2
	%	F	F
07-10-96 09:00	5.8	894	1023
07-10-96 10:00	6.3	979	1097
07-10-96 11:00	6.7	1145	1258
07-10-96 12:00	6.2	1150	1283
07-10-96 13:00	5.9	1093	1238
07-10-96 14:00	5.5	946	1102
07-10-96 15:00	5.8	1011	1155
07-10-96 16:00	6.4	1104	1273
07-10-96 17:00	6.1	1052	1200
07-10-96 18:00	5.8	1016	1154
07-10-96 19:00	6.1	873	1003
07-10-96 20:00	7.4	1044	1076
07-10-96 21:00	8.1	1285	781
07-10-96 22:00	7.6	1147	1001
07-10-96 23:00	6.1	1144	1281
07-11-96 00:00	6.4	1140	1283
07-11-96 01:00	6.0	1055	1222
07-11-96 02:00	6.1	1039	1182
07-11-96 03:00	7.8	1084	1145
07-11-96 04:00	9.5	827	1005
07-11-96 05:00	6.7	1015	1136
07-11-96 06:00	7.1	1303	1473
07-11-96 07:00	6.0	1282	1458
07-11-96 08:00	5.8	1125	1256
07-11-96 09:00	5.7	1158	1292
07-11-96 10:00	5.5	1022	1159
07-11-96 11:00	6.1	1116	1266
07-11-96 12:00	10.4	781	869
07-11-96 13:00	6.1	919	1038
07-11-96 14:00	5.1	918	1051
07-11-96 15:00	6.5	991	1114
07-11-96 16:00	6.2	917	1008
07-11-96 17:00	5.9	1062	1199
07-11-96 18:00	5.9	966	1077
07-11-96 19:00	5.5	1009	1100
07-11-96 20:00	6.5	1053	947
07-11-96 21:00	5.9	1030	1169
07-11-96 22:00	6.5	903	1023
07-11-96 23:00	7.3	970	938
07-12-96 00:00	6.1	943	1033
07-12-96 01:00	5.8	918	994
07-12-96 02:00	5.4	985	1116
07-12-96 03:00	8.3	955	1023
07-12-96 04:00	7.7	1041	1151
07-12-96 05:00	5.7	935	1021

Koppers Industries
Tie Plant Road
Daily Summary

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FROM 07/01/96 00:00 TO 10/01/96 23:59

Date/ Time	Opacity %	Cell 1 F	Cell 2 F
07-12-96 06:00	6.2	882	958
07-12-96 07:00	6.2	982	1049
07-12-96 08:00	6.6	1136	1247
07-12-96 09:00	6.7	1066	1169
07-12-96 10:00	5.7	1046	1147
07-12-96 11:00	6.4	1277	1340
07-12-96 12:00	5.7	1113	1197
07-12-96 13:00	6.0	1031	1116
07-12-96 14:00	5.9	1047	1138
07-12-96 15:00	6.0	994	1086
07-12-96 16:00	5.6	979	1081
07-12-96 17:00	6.0	914	1004
07-12-96 18:00	6.1	1072	1158
07-12-96 19:00	5.4	954	1052
07-12-96 20:00	5.6	1078	1157
07-12-96 21:00	6.3	1062	1162
07-12-96 22:00	5.9	912	1009
07-12-96 23:00	6.0	1015	1089
07-13-96 00:00	7.2	975	791
07-13-96 01:00	8.3	971	725
07-13-96 02:00	9.8	810	870
07-13-96 03:00	6.6	1007	1124
07-13-96 04:00	7.6	700	1181
07-13-96 05:00	7.2	528	724
07-13-96 06:00	4.0	437	478
07-13-96 07:00	4.1	409	441
07-13-96 08:00	4.1	391	419
07-13-96 09:00	4.1	377	403
07-13-96 10:00	4.2	365	389
07-13-96 11:00	4.1	355	378
07-13-96 12:00	4.1	345	368
07-13-96 13:00	3.9	336	359
07-13-96 14:00	3.7	328	351
07-13-96 15:00	3.8	321	344
07-13-96 16:00	3.9	314	337
07-13-96 17:00	4.0	307	331
07-13-96 18:00	3.9	301	324
07-13-96 19:00	4.0	295	318
07-13-96 20:00	4.0	289	313
07-13-96 21:00	4.0	284	308
07-13-96 22:00	4.1	279	303
07-13-96 23:00	4.1	274	299
07-14-96 00:00	4.1	270	295
07-14-96 01:00	4.1	266	291
07-14-96 02:00	4.1	262	287

Koppers Industries
Tie Plant Road
Daily Summary

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FROM 07/01/96 00:00 TO 10/01/96 23:59

Date/ Time	Opacity %	Cell 1	Cell 2
		F	F
07-14-96 03:00	4.1	259	285
07-14-96 04:00	4.1	256	281
07-14-96 05:00	4.6	253	278
07-14-96 06:00	4.1	250	276
07-14-96 07:00	4.1	248	274
07-14-96 08:00	4.2	246	272
07-14-96 09:00	4.1	244	270
07-14-96 10:00	4.1	241	268
07-14-96 11:00	4.1	240	266
07-14-96 12:00	4.0	237	264
07-14-96 13:00	4.4	235	262
07-14-96 14:00	4.2	233	260
07-14-96 15:00	4.3	231	258
07-14-96 16:00	4.2	229	256
07-14-96 17:00	4.1	228	255
07-14-96 18:00	4.1	226	253
07-14-96 19:00	4.1	224	251
07-14-96 20:00	4.1	223	250
07-14-96 21:00	4.1	221	248
07-14-96 22:00	4.1	220	246
07-14-96 23:00	4.1	218	245
07-15-96 00:00	4.1	217	244
07-15-96 01:00	4.1	216	243
07-15-96 02:00	4.1	215	242
07-15-96 03:00	4.1	213	240
07-15-96 04:00	16.2	562	503
07-15-96 05:00	19.6	1025	575
07-15-96 06:00	7.5	1497	1078
07-15-96 07:00	6.6	1443	1282
07-15-96 08:00	6.0	1192	1231
07-15-96 09:00	5.7	1209	1235
07-15-96 10:00	6.0	1076	1161
07-15-96 11:00	6.0	984	1085
07-15-96 12:00	5.6	996	1112
07-15-96 13:00	6.0	954	1054
07-15-96 14:00	6.4	994	1096
07-15-96 15:00	6.2	844	940
07-15-96 16:00	6.4	782	856
07-15-96 17:00	5.8	948	1055
07-15-96 18:00	5.3	984	1079
07-15-96 19:00	5.4	897	996
07-15-96 20:00	6.1	928	1025
07-15-96 21:00	6.1	911	1044
07-15-96 22:00	6.7	977	1121
07-15-96 23:00	7.2	930	1103

Process up

Koppers Industries
Tie Plant Road
Daily Summary

Page 1

FROM 07/16/96 00:00 TO 07/19/96 23:59

Date	Time	Opacity %	Cell 1 F	Cell 2 F
07-16-96	00:00	6.8	905	1050
07-16-96	01:00	7.2	966	1121
07-16-96	02:00	6.5	968	1130
07-16-96	03:00	7.0	989	1117
07-16-96	04:00	7.9	1211	1210
07-16-96	05:00	6.5	1187	1270
07-16-96	06:00	7.1	1236	1340
07-16-96	07:00	5.3	1044	1146
07-16-96	08:00	5.0	456	523
07-16-96	09:00	4.2	438	466
07-16-96	10:00	19.1	751	806
07-16-96	11:00	5.1	1199	1284
07-16-96	12:00	5.7	1196	1340
07-16-96	13:00	14.7	906	870
07-16-96	14:00	15.2	855	991
07-16-96	15:00	8.5	905	1032
07-16-96	16:00	6.9	1014	1154
07-16-96	17:00	6.8	1122	1285
07-16-96	18:00	5.6	1104	1271
07-16-96	19:00	5.7	1027	1151
07-16-96	20:00	5.7	955	1052
07-16-96	21:00	5.2	981	1037
07-16-96	22:00	8.1	1096	1068
07-16-96	23:00	5.7	1139	1194
07-17-96	00:00	5.7	1188	1245
07-17-96	01:00	5.1	1160	1108
07-17-96	02:00	5.2	1096	1017
07-17-96	03:00	6.2	1059	1100
07-17-96	04:00	8.6	1039	1077
07-17-96	05:00	7.8	1104	1073
07-17-96	06:00	7.6	1164	1247
07-17-96	07:00	3.4	1208	744
07-17-96	08:00	7.7	1209	668
07-17-96	09:00	6.6	1300	808
07-17-96	10:00	6.4	1003	1073
07-17-96	11:00	6.1	961	1039
07-17-96	12:00	6.7	1135	886
07-17-96	13:00	6.0	1054	1161
07-17-96	14:00	6.3	1090	1173
07-17-96	15:00	5.3	1088	1177
07-17-96	16:00	6.5	984	998
07-17-96	17:00	7.1	903	958
07-17-96	18:00	7.4	892	954
07-17-96	19:00	10.1	878	939
07-17-96	20:00	12.4	865	905

FROM 07/01/96 00:00 TO 10/01/96 23:59

Date/ Time	Opacity %	Cell 1 F	Cell 2 F
07-17-96 21:00	6.6	922	1052
07-17-96 22:00	8.0	951	1034
07-17-96 23:00	7.5	1308	1405
07-18-96 00:00	6.5	1023	1106
07-18-96 01:00	7.3	960	1010
07-18-96 02:00	7.1	1094	1130
07-18-96 03:00	6.9	1118	1176
07-18-96 04:00	9.9	988	995
07-18-96 05:00	8.0	1123	1242
07-18-96 06:00	7.6	1173	1377
07-18-96 07:00	7.9	1271	1468
07-18-96 08:00	7.2	1162	1359
07-18-96 09:00	7.5	1006	1202
07-18-96 10:00	8.3	1065	1260
07-18-96 11:00	7.9	947	1128
07-18-96 12:00	7.8	1003	1205
07-18-96 13:00	7.9	929	1088
07-18-96 14:00	7.6	964	1028
07-18-96 15:00	7.6	956	1131
07-18-96 16:00	7.9	914	1072
07-18-96 17:00	7.3	916	1110
07-18-96 18:00	8.1	820	971
07-18-96 19:00	8.0	902	1063
07-18-96 20:00	7.9	943	1107
07-18-96 21:00	11.3	734	841
07-18-96 22:00	11.2	779	874
07-18-96 23:00	11.1	709	819
07-19-96 00:00	12.6	685	782
07-19-96 01:00	10.2	733	835
07-19-96 02:00	8.6	792	903
07-19-96 03:00	7.9	795	897
07-19-96 04:00	9.1	833	852
07-19-96 05:00	10.3	750	847
07-19-96 06:00	13.6	767	841
07-19-96 07:00	13.9	739	793
07-19-96 08:00	28.3	356	430
07-19-96 09:00	6.1	304	326
07-19-96 10:00	4.6	300	330
07-19-96 11:00	4.3	293	317
07-19-96 12:00	4.2	284	309
07-19-96 13:00	4.1	277	302
07-19-96 14:00	4.1	271	296
07-19-96 15:00	4.1	266	291
07-19-96 16:00	4.1	261	286
07-19-96 17:00	4.1	257	282

Process Down

FROM 07/01/96 00:00 TO 10/01/96 23:59

Date/ Time	Opacity %	Cell 1 F	Cell 2 F
07-19-96 18:00	4.1	253	278
07-19-96 19:00	4.1	249	272
07-19-96 20:00	4.2	243	267
07-19-96 21:00	4.3	239	263
07-19-96 22:00	4.4	235	259
07-19-96 23:00	4.5	232	256
07-20-96 00:00	4.5	230	255
07-20-96 01:00	4.5	227	251
07-20-96 02:00	4.5	225	249
07-20-96 03:00	4.6	223	247
07-20-96 04:00	4.6	221	245
07-20-96 05:00	5.0	219	243
07-20-96 06:00	4.5	218	242
07-20-96 07:00	4.6	217	241
07-20-96 08:00	4.6	216	240
07-20-96 09:00	4.5	215	239
07-20-96 10:00	4.4	214	239
07-20-96 11:00	4.3	214	238
07-20-96 12:00	4.2	213	237
07-20-96 13:00	4.2	212	236
07-20-96 14:00	4.1	211	236
07-20-96 15:00	4.1	210	235
07-20-96 16:00	4.1	209	234
07-20-96 17:00	4.1	208	233
07-20-96 18:00	4.2	207	232
07-20-96 19:00	4.2	206	230
07-20-96 20:00	4.3	204	228
07-20-96 21:00	4.4	203	227
07-20-96 22:00	4.4	202	226
07-20-96 23:00	4.4	201	225
07-21-96 00:00	4.4	200	224
07-21-96 01:00	4.4	199	224
07-21-96 02:00	4.4	199	223
07-21-96 03:00	4.4	198	222
07-21-96 04:00	4.4	197	222
07-21-96 05:00	4.9	196	222
07-21-96 06:00	4.4	196	221
07-21-96 07:00	4.5	196	221
07-21-96 08:00	4.6	196	221
07-21-96 09:00	4.5	196	221
07-21-96 10:00	4.4	196	221
07-21-96 11:00	4.3	196	221
07-21-96 12:00	4.1	196	221
07-21-96 13:00	4.1	196	221
07-21-96 14:00	4.1	195	221



Koppers Industries
Tie Plant Road
Daily Summary

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FROM 07/01/96 00:00 TO 10/01/96 23:59

Date/ Time	Opacity %	Cell 1	Cell 2
		F	F
07-21-96 15:00	4.1	195	220
07-21-96 16:00	4.1	194	220
07-21-96 17:00	4.1	194	220
07-21-96 18:00	4.2	194	220
07-21-96 19:00	4.2	193	219
07-21-96 20:00	4.3	193	218
07-21-96 21:00	4.3	192	217
07-21-96 22:00	4.4	192	217
07-21-96 23:00	4.4	191	217
07-22-96 00:00	4.4	191	216
07-22-96 01:00	4.4	190	216
07-22-96 02:00	4.5	190	216
07-22-96 03:00	4.5	189	215
07-22-96 04:00	4.6	188	214
07-22-96 05:00	4.9	188	213
07-22-96 06:00	13.4	788	859
07-22-96 07:00	7.4	1450	1598
07-22-96 08:00	7.5	1125	1252
07-22-96 09:00	6.8	1007	1140
07-22-96 10:00	9.6	1418	1152
07-22-96 11:00	8.0	1166	1306
07-22-96 12:00	7.9	1163	1378
07-22-96 13:00	6.6	1011	1146
07-22-96 14:00	7.2	964	1060
07-22-96 15:00	8.2	1208	1326
07-22-96 16:00	7.4	1046	1148
07-22-96 17:00	7.5	1110	1204
07-22-96 18:00	7.2	1143	1231
07-22-96 19:00	11.6	942	1021
07-22-96 20:00	8.3	385	420
07-22-96 21:00	34.6	356	356
07-22-96 22:00	30.9	1148	1104
07-22-96 23:00	7.9	1060	1246
07-23-96 00:00	7.4	1037	1145
07-23-96 01:00	7.5	1082	1165
07-23-96 02:00	6.6	1022	1100
07-23-96 03:00	8.1	1054	995
07-23-96 04:00	8.5	872	1007
07-23-96 05:00	7.5	1077	1149
07-23-96 06:00	7.2	1090	1153
07-23-96 07:00	7.0	1114	1206
07-23-96 08:00	7.5	1129	1172
07-23-96 09:00	8.3	1195	1299
07-23-96 10:00	6.8	1202	1263
07-23-96 11:00	6.8	1164	1266

Process up

FROM 07/01/96 00:00 TO 10/01/96 23:59

Date/ Time	Opacity %	Cell 1 F	Cell 2 F
07-23-96 12:00	6.6	1037	1153
07-23-96 13:00	6.9	1092	1205
07-23-96 14:00	8.0	1240	1015
07-23-96 15:00	7.2	1357	786
07-23-96 16:00	6.6	1160	862
07-23-96 17:00	6.0	984	1083
07-23-96 18:00	6.3	1008	1135
07-23-96 19:00	6.9	1082	1241
07-23-96 20:00	7.4	1156	1294
07-23-96 21:00	6.7	1135	1327
07-23-96 22:00	6.8	1115	1282
07-23-96 23:00	6.3	1000	1143
07-24-96 00:00	7.3	1076	1233
07-24-96 01:00	7.2	1091	1240
07-24-96 02:00	8.5	1309	1488
07-24-96 03:00	7.7	1143	1163
07-24-96 04:00	9.1	1114	1258
07-24-96 05:00	6.9	1008	1165
07-24-96 06:00	7.2	1034	1185
07-24-96 07:00	6.6	1047	1215
07-24-96 08:00	6.3	1051	1214
07-24-96 09:00	6.0	969	1091
07-24-96 10:00	6.5	1046	1174
07-24-96 11:00	6.1	960	1103
07-24-96 12:00	6.3	907	1029
07-24-96 13:00	6.0	873	994
07-24-96 14:00	6.0	862	969
07-24-96 15:00	6.0	928	1041
07-24-96 16:00	6.2	856	967
07-24-96 17:00	6.9	969	1060
07-24-96 18:00	6.6	920	1062
07-24-96 19:00	6.8	909	1003
07-24-96 20:00	7.6	954	1037
07-24-96 21:00	8.1	1153	1254
07-24-96 22:00	7.3	1135	1264
07-24-96 23:00	6.8	955	1070
07-25-96 00:00	6.9	974	1089
07-25-96 01:00	7.3	1208	1309
07-25-96 02:00	6.4	1049	1175
07-25-96 03:00	7.8	1124	1110
07-25-96 04:00	8.6	1041	1164
07-25-96 05:00	7.0	1190	1369
07-25-96 06:00	6.5	1168	1292
07-25-96 07:00	7.3	1320	1435
07-25-96 08:00	6.8	1270	1371



FROM 07/01/96 00:00 TO 10/01/96 23:59

Date/ Time	Opacity %	Cell 1 F	Cell 2 F
07-25-96 09:00	6.5	1121	1224
07-25-96 10:00	6.3	1101	1208
07-25-96 11:00	6.7	1371	903
07-25-96 12:00	6.0	1165	1004
07-25-96 13:00	6.1	1017	1088
07-25-96 14:00	6.5	1078	1155
07-25-96 15:00	6.0	1111	1168
07-25-96 16:00	6.9	1147	1204
07-25-96 17:00	6.6	1127	1198
07-25-96 18:00	6.6	1137	1174
07-25-96 19:00	6.8	1216	1269
07-25-96 20:00	6.8	1178	1252
07-25-96 21:00	6.4	1139	1211
07-25-96 22:00	5.9	1105	1158
07-25-96 23:00	5.9	1022	1081
07-26-96 00:00	6.0	1032	1074
07-26-96 01:00	6.0	1091	1121
07-26-96 02:00	5.9	1075	1110
07-26-96 03:00	12.5	1183	1081
07-26-96 04:00	7.4	1267	1377
07-26-96 05:00	5.9	1051	1133
07-26-96 06:00	6.0	1116	1188
07-26-96 07:00	6.4	1173	1264
07-26-96 08:00	8.7	1109	1157
07-26-96 09:00	6.8	1278	1118
07-26-96 10:00	5.8	1168	1195
07-26-96 11:00	6.1	1278	1323
07-26-96 12:00	5.9	1328	1380
07-26-96 13:00	5.5	1184	1275
07-26-96 14:00	5.8	1066	1124
07-26-96 15:00	6.4	1139	1185
07-26-96 16:00	5.9	1009	1090
07-26-96 17:00	18.3	917	951
07-26-96 18:00	7.3	1004	1067
07-26-96 19:00	5.4	1104	967
07-26-96 20:00	5.1	1025	1043
07-26-96 21:00	5.1	1017	1050
07-26-96 22:00	5.3	1011	1065
07-26-96 23:00	5.5	1078	1153
07-27-96 00:00	5.3	986	1067
07-27-96 01:00	5.9	1079	1117
07-27-96 02:00	5.5	1064	1105
07-27-96 03:00	5.4	906	972
07-27-96 04:00	10.7	599	1050
07-27-96 05:00	8.4	563	1014



FROM 07/01/96 00:00 TO 10/01/96 23:59

Date/ Time	Opacity %	Cell 1	Cell 2	
		F	F	
07-27-96 06:00	7.1	352	448	Process Down
07-27-96 07:00	4.9	349	379	
07-27-96 08:00	4.9	332	355	
07-27-96 09:00	4.9	319	340	
07-27-96 10:00	5.5	307	327	
07-27-96 11:00	5.1	293	313	
07-27-96 12:00	5.4	285	305	
07-27-96 13:00	5.1	281	299	
07-27-96 14:00	5.0	274	293	
07-27-96 15:00	4.9	267	287	
07-27-96 16:00	5.0	261	281	
07-27-96 17:00	4.9	256	276	
07-27-96 18:00	4.9	252	272	
07-27-96 19:00	4.9	247	268	
07-27-96 20:00	4.9	243	264	
07-27-96 21:00	4.9	240	261	
07-27-96 22:00	4.9	237	257	
07-27-96 23:00	4.9	233	253	
07-28-96 00:00	4.9	229	250	
07-28-96 01:00	4.9	227	248	
07-28-96 02:00	4.9	224	245	
07-28-96 03:00	4.9	222	243	
07-28-96 04:00	4.9	220	241	
07-28-96 05:00	5.3	218	239	
07-28-96 06:00	4.9	217	239	
07-28-96 07:00	5.0	216	238	
07-28-96 08:00	5.0	214	237	
07-28-96 09:00	5.0	213	236	
07-28-96 10:00	5.1	212	234	
07-28-96 11:00	5.0	211	234	
07-28-96 12:00	5.0	211	234	
07-28-96 13:00	5.3	210	233	
07-28-96 14:00	4.8	209	232	
07-28-96 15:00	4.6	208	232	
07-28-96 16:00	4.7	207	231	
07-28-96 17:00	4.7	206	230	
07-28-96 18:00	4.7	205	228	
07-28-96 19:00	4.8	203	227	
07-28-96 20:00	4.8	201	225	
07-28-96 21:00	4.8	200	224	
07-28-96 22:00	4.8	199	223	
07-28-96 23:00	4.8	198	222	
07-29-96 00:00	4.8	197	221	
07-29-96 01:00	4.8	196	220	
07-29-96 02:00	4.8	195	220	

FROM 07/01/96 00:00 TO 10/01/96 23:59

Date/ Time	Opacity %	Cell 1 F	Cell 2 F
07-29-96 03:00	4.8	195	219
07-29-96 04:00	4.8	194	218
07-29-96 05:00	5.3	193	217
07-29-96 06:00	11.7	541	556
07-29-96 07:00	10.1	1197	1185
07-29-96 08:00	5.8	1356	1458
07-29-96 09:00	5.3	1434	1564
07-29-96 10:00	4.9	1267	1379
07-29-96 11:00	5.0	1384	1438
07-29-96 12:00	4.5	1268	1342
07-29-96 13:00	4.8	1021	1060
07-29-96 14:00	4.7	1120	1133
07-29-96 15:00	4.6	1131	1197
07-29-96 16:00	4.9	1176	1206
07-29-96 17:00	4.6	1121	1185
07-29-96 18:00	7.7	1071	951
07-29-96 19:00	4.2	1055	992
07-29-96 20:00	4.4	1165	730
07-29-96 21:00	13.1	1132	952
07-29-96 22:00	4.8	1152	1099
07-29-96 23:00	4.5	1190	1170
07-30-96 00:00	8.2	1019	796
07-30-96 01:00	4.8	1316	885
07-30-96 02:00	6.8	712	550
07-30-96 03:00	8.0	679	503
07-30-96 04:00	4.9	418	419
07-30-96 05:00	8.1	757	842
07-30-96 06:00	5.0	988	1028
07-30-96 07:00	6.4	1241	792
07-30-96 08:00	5.0	1031	734
07-30-96 09:00	4.9	979	950
07-30-96 10:00	4.8	1074	1065
07-30-96 11:00	4.8	1130	1182
07-30-96 12:00	7.7	1031	1010
07-30-96 13:00	6.8	1183	1068
07-30-96 14:00	4.5	1128	1177
07-30-96 15:00	4.1	1178	1248
07-30-96 16:00	7.2	1207	1125
07-30-96 17:00	8.2	1132	1060
07-30-96 18:00	4.8	1337	1229
07-30-96 19:00	11.0	1338	1150
07-30-96 20:00	5.0	1280	1220
07-30-96 21:00	4.7	1261	1248
07-30-96 22:00	6.5	855	889
07-30-96 23:00	12.9	356	371

Process Up



FROM 07/01/96 00:00 TO 10/01/96 23:59

Date/ Time	Opacity %	Cell 1 F	Cell 2 F
07-31-96 00:00	34.9	937	925
07-31-96 01:00	4.7	1248	1201
07-31-96 02:00	4.5	1144	1172
07-31-96 03:00	5.0	1272	1263
07-31-96 04:00	6.9	1236	1193
07-31-96 05:00	5.5	1148	1177
07-31-96 06:00	5.5	1276	1285
07-31-96 07:00	6.5	1389	1396
07-31-96 08:00	6.8	1271	1173
07-31-96 09:00	6.5	713	722
07-31-96 10:00	9.1	1075	924
07-31-96 11:00	5.1	1188	1230
07-31-96 12:00	5.1	1166	1190
07-31-96 13:00	5.2	1206	1253
07-31-96 14:00	4.9	1099	1169
07-31-96 15:00	5.1	1262	1320
07-31-96 16:00	4.8	1162	1233
07-31-96 17:00	6.3	1034	1131
07-31-96 18:00	6.7	1254	1093
07-31-96 19:00	4.2	1120	1151
07-31-96 20:00	30.9	832	805
07-31-96 21:00	10.5	1310	1296
07-31-96 22:00	6.9	1151	1110
07-31-96 23:00	4.7	1258	1350
08-01-96 00:00	7.9	1169	1214
08-01-96 01:00	4.5	1258	1322
08-01-96 02:00	6.8	961	1009
08-01-96 03:00	6.1	1083	994
08-01-96 04:00	6.2	1030	1176
08-01-96 05:00	5.3	1182	1302
08-01-96 06:00	4.4	1015	1106
08-01-96 07:00	6.7	1021	1018
08-01-96 08:00	5.5	1243	1170
08-01-96 09:00	5.1	1018	1133
08-01-96 10:00	4.8	1029	1143
08-01-96 11:00	4.8	1203	807
08-01-96 12:00	8.1	505	488
08-01-96 13:00	7.8	931	924
08-01-96 14:00	6.2	979	937
08-01-96 15:00	5.5	1001	1017
08-01-96 16:00	4.9	1115	1134
08-01-96 17:00	5.1	1189	1234
08-01-96 18:00	8.2	1217	1228
08-01-96 19:00	17.4	1211	1136
08-01-96 20:00	8.9	768	770



FROM 07/01/96 00:00 TO 10/01/96 23:59

Date/ Time	Opacity %	Cell 1	Cell 2
		F	F
08-01-96 21:00	21.3	1026	980
08-01-96 22:00	9.2	1100	922
08-01-96 23:00	7.2	1035	1000
08-02-96 00:00	5.4	346	383
08-02-96 01:00	5.2	308	332
08-02-96 02:00	5.2	360	373
08-02-96 03:00	5.2	349	364
08-02-96 04:00	16.0	307	347
08-02-96 05:00	9.9	962	1041
08-02-96 06:00	14.6	1235	1214
08-02-96 07:00	10.1	1295	1142
08-02-96 08:00	12.6	1254	1011
08-02-96 09:00	14.7	583	830
08-02-96 10:00	15.2	967	1156
08-02-96 11:00	13.5	933	1177
08-02-96 12:00	7.1	1126	1256
08-02-96 13:00	7.1	1108	1111
08-02-96 14:00	8.0	492	475
08-02-96 15:00	11.2	927	885
08-02-96 16:00	7.5	882	939
08-02-96 17:00	5.2	884	929
08-02-96 18:00	6.9	803	850
08-02-96 19:00	4.3	906	947
08-02-96 20:00	6.9	968	1007
08-02-96 21:00	6.6	817	865
08-02-96 22:00	8.9	844	852
08-02-96 23:00	8.2	781	808
08-03-96 00:00	8.5	806	827
08-03-96 01:00	7.1	777	824
08-03-96 02:00	8.1	696	759
08-03-96 03:00	7.1	742	785
08-03-96 04:00	6.2	775	780
08-03-96 05:00	6.6	455	583
08-03-96 06:00	4.8	403	418
08-03-96 07:00	4.9	381	392
08-03-96 08:00	5.0	363	374
08-03-96 09:00	5.0	350	362
08-03-96 10:00	4.9	340	352
08-03-96 11:00	4.7	330	343
08-03-96 12:00	4.6	322	336
08-03-96 13:00	4.6	315	329
08-03-96 14:00	4.5	308	322
08-03-96 15:00	4.4	302	317
08-03-96 16:00	4.4	295	311
08-03-96 17:00	4.5	289	305

Process Down

FROM 07/01/96 00:00 TO 10/01/96 23:59

Date/ Time	Opacity %	Cell 1 F	Cell 2 F
08-03-96 18:00	4.6	283	300
08-03-96 19:00	4.8	278	295
08-03-96 20:00	4.9	273	290
08-03-96 21:00	4.9	269	286
08-03-96 22:00	4.9	264	283
08-03-96 23:00	5.0	261	279
08-04-96 00:00	5.0	257	276
08-04-96 01:00	5.0	254	273
08-04-96 02:00	5.0	251	270
08-04-96 03:00	5.0	248	267
08-04-96 04:00	5.0	244	264
08-04-96 05:00	5.4	242	262
08-04-96 06:00	5.0	239	260
08-04-96 07:00	5.0	237	258
08-04-96 08:00	5.2	236	257
08-04-96 09:00	5.1	234	256
08-04-96 10:00	4.9	233	255
08-04-96 11:00	4.7	231	254
08-04-96 12:00	4.6	230	252
08-04-96 13:00	4.6	228	250
08-04-96 14:00	4.6	227	249
08-04-96 15:00	4.7	225	248
08-04-96 16:00	4.7	224	246
08-04-96 17:00	4.7	222	245
08-04-96 18:00	4.8	220	244
08-04-96 19:00	4.9	219	242
08-04-96 20:00	5.0	218	241
08-04-96 21:00	5.0	216	239
08-04-96 22:00	5.0	215	238
08-04-96 23:00	5.0	213	237
08-05-96 00:00	5.0	212	236
08-05-96 01:00	5.0	211	235
08-05-96 02:00	5.0	210	234
08-05-96 03:00	5.1	208	232
08-05-96 04:00	10.9	1130	1074
08-05-96 05:00	11.0	953	799
08-05-96 06:00	7.8	1058	1126
08-05-96 07:00	5.6	1023	1096
08-05-96 08:00	4.9	999	1039
08-05-96 09:00	5.9	907	949
08-05-96 10:00	8.6	942	954
08-05-96 11:00	10.1	1071	680
08-05-96 12:00	10.6	1026	878
08-05-96 13:00	5.0	1188	1007
08-05-96 14:00	5.0	1317	1190

Process Up

FROM 07/01/96 00:00 TO 10/01/96 23:59

Date/ Time	Opacity %	Cell 1 F	Cell 2 F
08-05-96 15:00	4.9	1071	1008
08-05-96 16:00	5.1	1111	1054
08-05-96 17:00	4.9	1167	1119
08-05-96 18:00	4.6	1278	1213
08-05-96 19:00	4.3	1314	1248
08-05-96 20:00	4.3	1333	1271
08-05-96 21:00	4.4	1256	1175
08-05-96 22:00	4.9	1167	1080
08-05-96 23:00	4.9	1017	1021
08-06-96 00:00	5.4	991	1013
08-06-96 01:00	6.9	1172	971
08-06-96 02:00	5.9	751	738
08-06-96 03:00	5.2	507	504
08-06-96 04:00	5.3	461	466
08-06-96 05:00	9.3	1010	1018
08-06-96 06:00	7.2	892	991
08-06-96 07:00	5.8	1002	1008
08-06-96 08:00	4.5	1077	1125
08-06-96 09:00	4.6	1050	1063
08-06-96 10:00	4.8	1052	1076
08-06-96 11:00	9.0	938	838
08-06-96 12:00	5.7	951	1056
08-06-96 13:00	6.0	1057	986
08-06-96 14:00	5.0	1076	1045
08-06-96 15:00	5.8	945	903
08-06-96 16:00	10.1	832	790
08-06-96 17:00	6.1	903	1002
08-06-96 18:00	5.5	942	1028
08-06-96 19:00	4.9	979	987
08-06-96 20:00	5.4	986	996
08-06-96 21:00	5.6	964	953
08-06-96 22:00	5.4	1017	855
08-06-96 23:00	5.0	1211	994
08-07-96 00:00	7.0	1054	955
08-07-96 01:00	7.8	928	811
08-07-96 02:00	5.1	968	1060
08-07-96 03:00	4.7	1092	1078
08-07-96 04:00	9.6	941	705
08-07-96 05:00	8.0	895	977
08-07-96 06:00	6.7	963	1000
08-07-96 07:00	5.6	1001	1050
08-07-96 08:00	5.2	1175	1186
08-07-96 09:00	5.2	1117	1177
08-07-96 10:00	6.5	912	1026
08-07-96 11:00	6.9	863	942

FROM 07/01/96 00:00 TO 10/01/96 23:59

Date/ Time	Opacity %	Cell 1 F	Cell 2 F
08-07-96 12:00	6.1	1055	1110
08-07-96 13:00	5.5	1016	1069
08-07-96 14:00	5.9	968	1010
08-07-96 15:00	9.6	865	902
08-07-96 16:00	6.4	911	952
08-07-96 17:00	5.3	1003	1023
08-07-96 18:00	5.1	1075	1082
08-07-96 19:00	4.9	1045	1056
08-07-96 20:00	9.9	921	866
08-07-96 21:00	13.2	853	780
08-07-96 22:00	6.0	1040	1046
08-07-96 23:00	5.6	1003	1076
08-08-96 00:00	4.9	990	1017
08-08-96 01:00	4.7	1083	1058
08-08-96 02:00	5.4	953	975
08-08-96 03:00	9.9	980	948
08-08-96 04:00	9.6	944	956
08-08-96 05:00	8.2	1122	1060
08-08-96 06:00	8.6	923	882
08-08-96 07:00	5.9	1060	943
08-08-96 08:00	6.5	907	905
08-08-96 09:00	9.2	1155	894
08-08-96 10:00	13.3	801	784
08-08-96 11:00	5.6	949	963
08-08-96 12:00	5.9	912	960
08-08-96 13:00	5.6	924	906
08-08-96 14:00	9.5	874	788
08-08-96 15:00	5.9	1201	1092
08-08-96 16:00	8.9	946	936
08-08-96 17:00	8.3	980	856
08-08-96 18:00	5.5	1055	1029
08-08-96 19:00	4.7	1064	1078
08-08-96 20:00	5.0	1008	1000
08-08-96 21:00	13.5	852	840
08-08-96 22:00	18.7	1034	843
08-08-96 23:00	6.2	1082	1100
08-09-96 00:00	6.0	1000	980
08-09-96 01:00	5.6	1047	1051
08-09-96 02:00	5.1	1096	1096
08-09-96 03:00	8.5	957	884
08-09-96 04:00	8.9	1001	1011
08-09-96 05:00	7.0	902	917
08-09-96 06:00	5.6	901	919
08-09-96 07:00	5.2	958	934
08-09-96 08:00	5.7	1023	924

FROM 07/01/96 00:00 TO 10/01/96 23:59

Date/ Time	Opacity %	Cell 1 F	Cell 2 F
08-09-96 09:00	19.2	543	468
08-09-96 10:00	14.8	806	549
08-09-96 11:00	6.5	1175	909
08-09-96 12:00	5.8	1150	1079
08-09-96 13:00	4.7	1131	1152
08-09-96 14:00	5.1	1154	1123
08-09-96 15:00	10.8	937	839
08-09-96 16:00	7.4	1139	932
08-09-96 17:00	10.6	942	882
08-09-96 18:00	11.7	950	820
08-09-96 19:00	9.0	1004	965
08-09-96 20:00	9.2	927	900
08-09-96 21:00	5.5	1024	941
08-09-96 22:00	4.9	1118	1036
08-09-96 23:00	5.2	1091	1045
08-10-96 00:00	9.6	1110	1035
08-10-96 01:00	5.2	1195	1152
08-10-96 02:00	5.1	1183	1144
08-10-96 03:00	5.3	1213	1105
08-10-96 04:00	4.9	1162	1140
08-10-96 05:00	7.6	506	605
08-10-96 06:00	5.4	477	483
08-10-96 07:00	5.5	446	455
08-10-96 08:00	5.7	423	432
08-10-96 09:00	5.7	404	414
08-10-96 10:00	5.7	389	400
08-10-96 11:00	5.5	376	387
08-10-96 12:00	5.3	364	376
08-10-96 13:00	5.2	354	366
08-10-96 14:00	5.1	344	357
08-10-96 15:00	5.0	335	348
08-10-96 16:00	5.0	326	340
08-10-96 17:00	5.1	319	333
08-10-96 18:00	5.4	310	326
08-10-96 19:00	5.5	303	319
08-10-96 20:00	5.6	296	312
08-10-96 21:00	5.6	290	307
08-10-96 22:00	5.6	284	301
08-10-96 23:00	5.6	279	297
08-11-96 00:00	5.6	274	292
08-11-96 01:00	5.6	269	288
08-11-96 02:00	5.6	265	284
08-11-96 03:00	5.5	261	281
08-11-96 04:00	5.6	257	277
08-11-96 05:00	6.0	253	274

Process Down

FROM 07/01/96 00:00 TO 10/01/96 23:59

Date/ Time	Opacity %	Cell 1 F	Cell 2 F
08-11-96 06:00	5.6	250	272
08-11-96 07:00	5.6	248	269
08-11-96 08:00	5.5	245	267
08-11-96 09:00	5.6	243	266
08-11-96 10:00	5.5	241	264
08-11-96 11:00	5.5	239	262
08-11-96 12:00	5.5	237	260

08-11-96 13:00	5.5	234	258
08-11-96 14:00	5.7	232	256
08-11-96 15:00	5.5	231	254
08-11-96 16:00	5.5	228	252
08-11-96 17:00	5.5	226	250
08-11-96 18:00	5.5	224	248
08-11-96 19:00	5.5	223	247
08-11-96 20:00	5.5	221	245
08-11-96 21:00	5.5	219	244
08-11-96 22:00	5.5	217	242
08-11-96 23:00	5.5	216	240
08-12-96 00:00	5.5	214	239
08-12-96 01:00	5.5	213	238
08-12-96 02:00	5.5	212	237
08-12-96 03:00	5.5	211	235
08-12-96 04:00	5.5	206	231
08-12-96 05:00	13.0	359	316
08-12-96 06:00	7.6	1136	1136

Process up

08-12-96 07:00	10.8	961	821
08-12-96 08:00	9.3	1072	981
08-12-96 09:00	5.6	1077	1069
08-12-96 10:00	5.1	1276	1235
08-12-96 11:00	5.5	1226	1166
08-12-96 12:00	-9999.0	1158	1133
08-12-96 13:00	-9999.0	1004	877
08-12-96 14:00	-9999.0	1267	1174
08-12-96 15:00	3108.2	1156	1159
08-12-96 16:00	-9999.0	1039	1054
08-12-96 17:00	-9999.0	1223	1191
08-12-96 18:00	-9999.0	1332	1310
08-12-96 19:00	-9999.0	1206	1207
08-12-96 20:00	8.5	1063	1077
08-12-96 21:00	5.8	980	933
08-12-96 22:00	5.5	1056	987
08-12-96 23:00	-9999.0	1093	1080
08-13-96 00:00	-9999.0	1167	1146
08-13-96 01:00	5.1	1301	1291
08-13-96 02:00	5.5	1396	1048

Power Outage, Recalibrate opacity meter

FROM 07/01/96 00:00 TO 10/01/96 23:59

Date/ Time	Opacity %	Cell 1 F	Cell 2 F
08-13-96 03:00	6.5	1466	859
08-13-96 04:00	17.9	1021	755
08-13-96 05:00	295.4	1170	1108
08-13-96 06:00	12.9	1103	1094
08-13-96 07:00	4.4	1156	1136
08-13-96 08:00	9.7	1105	992
08-13-96 09:00	5.1	908	886
08-13-96 10:00	6.4	535	527
08-13-96 11:00	11.3	919	857
08-13-96 12:00	3.9	1190	1116
08-13-96 13:00	3.8	1140	1076
08-13-96 14:00	4.3	1210	1213
08-13-96 15:00	4.8	1100	1060
08-13-96 16:00	9.0	987	880
08-13-96 17:00	4.7	971	1035
08-13-96 18:00	3.8	1031	1053
08-13-96 19:00	3.6	1064	1052
08-13-96 20:00	4.2	1080	1075
08-13-96 21:00	5.9	821	992
08-13-96 22:00	4.4	935	1044
08-13-96 23:00	4.7	1013	986
08-14-96 00:00	6.2	958	967
08-14-96 01:00	4.5	1046	1003
08-14-96 02:00	5.0	1035	1007
08-14-96 03:00	5.1	1077	1010
08-14-96 04:00	6.4	883	868
08-14-96 05:00	5.0	1292	1225
08-14-96 06:00	5.0	1284	1272
08-14-96 07:00	4.4	1353	1205
08-14-96 08:00	4.6	1256	1179
08-14-96 09:00	4.9	1194	1134
08-14-96 10:00	5.0	1056	984
08-14-96 11:00	4.9	1077	1055
08-14-96 12:00	7.7	520	812
08-14-96 13:00	6.8	834	1013
08-14-96 14:00	4.9	1207	1295
08-14-96 15:00	4.2	1036	1066
08-14-96 16:00	4.7	1086	1035
08-14-96 17:00	4.8	1056	1016
08-14-96 18:00	4.2	1188	1125
08-14-96 19:00	4.4	1268	1272
08-14-96 20:00	4.2	1073	1094
08-14-96 21:00	4.7	1167	1208
08-14-96 22:00	5.2	1074	1121
08-14-96 23:00	5.9	974	991

Recalibrate opacity meter
Replace lens on opacity site window

Process up



FROM 07/01/96 00:00 TO 10/01/96 23:59

Date/ Time	Opacity %	Cell 1 F	Cell 2 F
08-15-96 00:00	7.5	864	863
08-15-96 01:00	6.2	938	904
08-15-96 02:00	5.4	928	881
08-15-96 03:00	5.5	1048	932
08-15-96 04:00	15.3	921	933
08-15-96 05:00	4.7	1010	986
08-15-96 06:00	5.4	941	907
08-15-96 07:00	4.4	933	930
08-15-96 08:00	3.9	993	991
08-15-96 09:00	4.0	1118	1101
08-15-96 10:00	3.8	1148	1210
08-15-96 11:00	5.0	1284	1067
08-15-96 12:00	4.3	1166	1192
08-15-96 13:00	5.1	1165	1169
08-15-96 14:00	5.3	1295	1358
08-15-96 15:00	4.6	1244	1324
08-15-96 16:00	5.2	1260	1355
08-15-96 17:00	4.5	1182	1248
08-15-96 18:00	3.8	1106	1141
08-15-96 19:00	4.1	1313	1239
08-15-96 20:00	4.3	1323	1357
08-15-96 21:00	4.2	1124	1185
08-15-96 22:00	4.9	1053	1102
08-15-96 23:00	5.5	1332	1388
08-16-96 00:00	5.2	1218	1296
08-16-96 01:00	5.1	1177	1224
08-16-96 02:00	5.7	1251	1335
08-16-96 03:00	6.6	1463	1449
08-16-96 04:00	5.4	1334	1421
08-16-96 05:00	4.8	1268	1286
08-16-96 06:00	6.0	1335	1318
08-16-96 07:00	5.2	1362	1365
08-16-96 08:00	5.3	1337	1350
08-16-96 09:00	5.9	1481	1299
08-16-96 10:00	4.8	1491	1498
08-16-96 11:00	-9999.0	1294	1332
08-16-96 12:00	-9999.0	1237	1295
08-16-96 13:00	-9999.0	1331	1359
08-16-96 14:00	-9999.0	1360	1379
08-16-96 15:00	-9999.0	1295	1321
08-16-96 16:00	-9999.0	1247	1298
08-16-96 17:00	-9999.0	1313	1330
08-16-96 18:00	6.1	1314	1315
08-16-96 19:00	5.2	1255	1259
08-16-96 20:00	5.4	1186	1192

Power Outage Recalibrate Opacity Meter

Process up

FROM 07/01/96 00:00 TO 10/01/96 23:59

Date/Time	Opacity	Cell 1	Cell 2
	%	F	F
08-16-96 21:00	5.0	1184	1218
08-16-96 22:00	5.7	1119	1135
08-16-96 23:00	5.7	1190	1083
08-17-96 00:00	7.4	1286	900
08-17-96 01:00	5.7	1167	1184
08-17-96 02:00	6.2	1242	1262
08-17-96 03:00	6.3	1286	1289
08-17-96 04:00	7.2	1104	974
08-17-96 05:00	6.8	1313	1359
08-17-96 06:00	4.8	757	794
08-17-96 07:00	7.8	551	550
08-17-96 08:00	9.1	1114	1185
08-17-96 09:00	6.1	1232	1318
* 08-17-96 10:00	219.9	1179	1258
08-17-96 11:00	5.6	1100	1133
08-17-96 12:00	6.0	1155	1199
08-17-96 13:00	5.6	1075	1103
08-17-96 14:00	5.6	1125	1131
08-17-96 15:00	7.3	927	935
08-17-96 16:00	7.4	992	991
08-17-96 17:00	-9999.0	1107	1129
08-17-96 18:00	5.2	1149	1172
08-17-96 19:00	5.1	1174	1191
08-17-96 20:00	5.6	1147	1182
08-17-96 21:00	5.6	1193	1201
08-17-96 22:00	5.5	1264	1168
08-17-96 23:00	5.4	1194	1219
08-18-96 00:00	5.5	1219	1251
08-18-96 01:00	5.3	1044	1053
08-18-96 02:00	5.7	1099	1098
08-18-96 03:00	5.7	1070	1103
08-18-96 04:00	6.5	1067	1047
08-18-96 05:00	6.0	1086	1112
08-18-96 06:00	8.3	694	833
08-18-96 07:00	4.3	447	465
08-18-96 08:00	4.5	450	456
08-18-96 09:00	4.5	424	430
08-18-96 10:00	4.4	405	412
08-18-96 11:00	4.2	390	399
08-18-96 12:00	4.1	378	388
08-18-96 13:00	4.2	366	378
08-18-96 14:00	4.5	354	368
08-18-96 15:00	4.4	344	359
08-18-96 16:00	4.3	335	350
08-18-96 17:00	4.3	328	343

Opacity Meter out of alignment, Re-align + Calibrate
Process up

Process Down

FROM 07/01/96 00:00 TO 10/01/96 23:59

Date/ Time	Opacity %	Cell 1 F	Cell 2 F
08-18-96 18:00	4.3	320	336
08-18-96 19:00	4.3	313	328
08-18-96 20:00	4.3	306	322
08-18-96 21:00	4.3	300	316
08-18-96 22:00	4.3	294	311
08-18-96 23:00	4.3	289	305
08-19-96 00:00	4.3	283	300
08-19-96 01:00	4.3	278	296
08-19-96 02:00	4.3	274	292
08-19-96 03:00	4.3	269	287
08-19-96 04:00	12.5	883	951
08-19-96 05:00	6.4	1067	1156
08-19-96 06:00	6.2	1128	1214
08-19-96 07:00	10.6	1077	1142
08-19-96 08:00	5.9	1192	1227
08-19-96 09:00	5.4	1368	1406
08-19-96 10:00	6.1	1333	1427
08-19-96 11:00	6.2	1232	1335
08-19-96 12:00	6.5	1432	1508
08-19-96 13:00	6.0	1352	1396
08-19-96 14:00	6.5	1328	1393
08-19-96 15:00	6.0	1399	1428
08-19-96 16:00	6.1	1241	1263
08-19-96 17:00	6.2	1213	1221
08-19-96 18:00	5.6	1145	1161
08-19-96 19:00	6.0	1163	1179
08-19-96 20:00	6.5	1127	1146
08-19-96 21:00	6.2	1152	1163
08-19-96 22:00	6.6	1125	1123
08-19-96 23:00	6.9	1059	1061
08-20-96 00:00	7.0	1128	1126
08-20-96 01:00	6.3	1107	1124
08-20-96 02:00	8.0	1235	1133
08-20-96 03:00	7.3	1211	1161
08-20-96 04:00	7.9	1119	1157
08-20-96 05:00	9.2	942	972
08-20-96 06:00	8.4	1026	1069
08-20-96 07:00	6.4	1147	1167
08-20-96 08:00	6.5	1165	1230
08-20-96 09:00	7.0	1096	1144
08-20-96 10:00	7.2	1242	1297
08-20-96 11:00	7.3	1076	1103
08-20-96 12:00	6.8	1041	1065
08-20-96 13:00	6.9	1084	1122
08-20-96 14:00	7.2	1148	1197

Process up

FROM 07/01/96 00:00 TO 10/01/96 23:59

Date/ Time	Opacity %	Cell 1 F	Cell 2 F
08-20-96 15:00	7.1	952	997
08-20-96 16:00	7.8	1083	1108
08-20-96 17:00	8.0	1063	1068
08-20-96 18:00	6.8	1058	1080
08-20-96 19:00	6.4	1138	1147
08-20-96 20:00	6.9	1259	1308
08-20-96 21:00	7.0	1122	1143
08-20-96 22:00	7.8	1092	1112
08-20-96 23:00	6.2	1108	1173
08-21-96 00:00	6.9	1173	1230
08-21-96 01:00	6.5	1046	1110
08-21-96 02:00	7.0	1096	1157
08-21-96 03:00	8.6	1137	1124
08-21-96 04:00	8.3	1182	1250
08-21-96 05:00	8.1	1388	1481
08-21-96 06:00	7.3	1114	1168
08-21-96 07:00	10.1	1205	1147
08-21-96 08:00	7.3	1176	1157
08-21-96 09:00	7.4	1139	1249
08-21-96 10:00	6.9	1015	1101
08-21-96 11:00	7.2	1026	1082
08-21-96 12:00	8.2	1304	793
08-21-96 13:00	8.3	1373	769
08-21-96 14:00	9.2	1361	777
08-21-96 15:00	9.2	1100	619
08-21-96 16:00	7.5	1198	624
08-21-96 17:00	7.4	1150	595
08-21-96 18:00	8.9	1307	673
08-21-96 19:00	8.2	1339	706
08-21-96 20:00	8.5	1313	703
08-21-96 21:00	9.4	1260	649
08-21-96 22:00	10.0	1335	1046
08-21-96 23:00	8.5	1095	1054
08-22-96 00:00	8.7	1240	1270
08-22-96 01:00	9.5	1374	1415
08-22-96 02:00	8.4	1276	1348
08-22-96 03:00	11.0	1150	1149
08-22-96 04:00	9.4	1150	1152
08-22-96 05:00	8.4	1136	1186
08-22-96 06:00	10.0	1027	1078
08-22-96 07:00	7.4	992	1041
08-22-96 08:00	7.8	1034	1091
08-22-96 09:00	11.6	1028	998
08-22-96 10:00	7.2	1088	1125
08-22-96 11:00	7.8	895	945

FROM 07/01/96 00:00 TO 10/01/96 23:59

Date/ Time	Opacity %	Cell 1 F	Cell 2 F
05-22-96 12:00	8.2	965	1032
08-22-96 13:00	7.4	1094	1170
05-22-96 14:00	8.3	1010	1069
08-22-96 15:00	7.9	1048	1115
09-22-96 16:00	8.2	944	909
09-22-96 17:00	7.2	986	1028
08-22-96 18:00	6.2	1106	1191
03-22-96 19:00	6.7	1006	1050
09-22-96 20:00	7.7	1202	1249
09-22-96 21:00	7.5	1163	1232
08-22-96 22:00	7.3	1022	1066
03-22-96 23:00	8.0	985	994
03-23-96 00:00	16.0	989	949
09-23-96 01:00	12.3	1014	858
03-23-96 02:00	7.8	1048	1046
05-23-96 03:00	9.1	1080	1000
06-23-96 04:00	13.0	1055	892
08-23-96 05:00	9.0	1128	1145
03-23-96 06:00	8.8	1043	1057
08-23-96 07:00	9.5	954	965
03-23-96 08:00	9.7	1068	1137
06-23-96 09:00	7.4	1072	1143
09-23-96 10:00	8.3	1012	1007
08-23-96 11:00	7.6	1039	1060
03-23-96 12:00	8.1	1029	1033
03-23-96 13:00	9.5	1137	1044
08-23-96 14:00	7.2	1080	1096
06-23-96 15:00	7.0	1082	1103
08-23-96 16:00	7.2	1156	1169
08-23-96 17:00	7.1	1015	1000
09-23-96 18:00	6.8	1016	1013
08-23-96 19:00	7.0	956	938
08-23-96 20:00	7.6	1110	1146
08-23-96 21:00	6.7	1148	1153
03-23-96 22:00	5.7	1049	1065
03-23-96 23:00	7.6	1080	1072
08-24-96 00:00	7.8	989	974
03-24-96 01:00	7.7	942	906
08-24-96 02:00	7.0	996	962
09-24-96 03:00	8.0	980	969
08-24-96 04:00	13.4	548	638
08-24-96 05:00	6.5	357	365
09-24-96 06:00	4.5	406	417
03-24-96 07:00	4.7	391	403
03-24-96 08:00	4.7	377	389

Process Down

FROM 07/01/96 00:00 TO 10/01/96 23:59

Date/ Time	Opacity %	Cell 1 F	Cell 2 F
08-24-96 09:00	4.6	367	379
08-24-96 10:00	4.4	356	369
08-24-96 11:00	4.2	347	360
08-24-96 12:00	4.1	339	352
08-24-96 13:00	4.0	331	344
08-24-96 14:00	4.0	324	337
08-24-96 15:00	4.1	317	331
08-24-96 16:00	4.0	309	325
08-24-96 17:00	4.0	303	319
08-24-96 18:00	4.2	297	313
08-24-96 19:00	4.4	290	307
08-24-96 20:00	4.5	285	301
08-24-96 21:00	4.5	279	296
08-24-96 22:00	4.5	274	292
08-24-96 23:00	4.6	270	288
08-25-96 00:00	4.5	266	284
08-25-96 01:00	4.6	262	280
08-25-96 02:00	4.5	258	277
08-25-96 03:00	4.5	254	274
08-25-96 04:00	4.5	251	271
08-25-96 05:00	5.0	248	268
08-25-96 06:00	4.5	245	265
08-25-96 07:00	4.6	243	264
08-25-96 08:00	4.7	241	262
08-25-96 09:00	4.7	240	261
08-25-96 10:00	4.3	238	260
08-25-96 11:00	4.2	237	259
08-25-96 12:00	4.1	235	257
08-25-96 13:00	4.0	233	256
08-25-96 14:00	4.0	232	254
08-25-96 15:00	4.1	230	253
08-25-96 16:00	4.2	228	251
08-25-96 17:00	4.4	226	249
08-25-96 18:00	4.4	225	248
08-25-96 19:00	4.4	223	246
08-25-96 20:00	4.5	221	244
08-25-96 21:00	4.5	220	243
08-25-96 22:00	4.5	218	242
08-25-96 23:00	4.5	217	240
08-26-96 00:00	4.5	215	239
08-26-96 01:00	4.5	213	237
08-26-96 02:00	4.5	212	236
08-26-96 03:00	4.5	211	235
08-26-96 04:00	14.8	941	983
08-26-96 05:00	7.2	1369	1453

Process up
↓

FROM 07/01/96 00:00 TO 10/01/96 23:59

Date	Time	Opacity	Cell 1	Cell 2
		%	F	F
08-26-96	06:00	7.5	1098	1138
08-26-96	07:00	11.0	1021	1082
08-26-96	08:00	6.1	1034	1109
08-26-96	09:00	6.5	1031	1040
08-26-96	10:00	7.2	865	993
08-26-96	11:00	8.7	701	863
08-26-96	12:00	8.1	736	928
08-26-96	13:00	7.3	910	1175
08-26-96	14:00	10.0	859	1101
08-26-96	15:00	6.9	878	1053
08-26-96	16:00	6.2	820	1062
08-26-96	17:00	5.9	862	1124
08-26-96	18:00	8.1	907	966
08-26-96	19:00	7.9	870	869
08-26-96	20:00	9.7	1012	852
08-26-96	21:00	5.6	915	1163
08-26-96	22:00	6.1	870	1109
08-26-96	23:00	6.9	803	997
08-27-96	00:00	10.9	873	1002
08-27-96	01:00	5.4	861	1102
08-27-96	02:00	5.9	809	1035
08-27-96	03:00	8.6	903	1011
08-27-96	04:00	7.5	795	1119
08-27-96	05:00	7.0	1099	1419
08-27-96	06:00	5.9	997	1292
08-27-96	07:00	6.1	881	1133
08-27-96	08:00	5.4	891	1140
08-27-96	09:00	6.2	856	1074
08-27-96	10:00	6.0	881	1118
08-27-96	11:00	7.8	843	1070
08-27-96	12:00	6.9	803	1011
08-27-96	13:00	6.6	798	958
08-27-96	14:00	6.6	813	1039
08-27-96	15:00	6.9	793	1019
08-27-96	16:00	6.9	772	997
08-27-96	17:00	6.5	803	1032
08-27-96	18:00	6.3	806	1039
08-27-96	19:00	6.5	838	1091
08-27-96	20:00	6.4	902	1192
08-27-96	21:00	8.3	904	996
08-27-96	22:00	7.1	840	1059
08-27-96	23:00	7.5	1016	1337
08-28-96	00:00	7.2	1016	1332
08-28-96	01:00	6.7	990	1305
08-28-96	02:00	6.4	907	1176

FROM 07/01/96 00:00 TO 10/01/96 23:59

Date/ Time	Opacity %	Cell 1	Cell 2
		F	F
08-28-96 03:00	9.3	1062	1233
08-28-96 04:00	13.7	926	1266
08-28-96 05:00	7.0	786	993
08-28-96 06:00	7.3	809	1021
08-28-96 07:00	7.3	871	1110
08-28-96 08:00	7.7	837	1027
08-28-96 09:00	10.2	1001	1173
08-28-96 10:00	5.4	905	1145
08-28-96 11:00	5.9	958	1215
08-28-96 12:00	5.8	981	1234
08-28-96 13:00	5.7	738	977
08-28-96 14:00	5.9	912	1244
08-28-96 15:00	5.9	844	1103
08-28-96 16:00	5.7	818	1037
08-28-96 17:00	6.7	847	1087
08-28-96 18:00	7.3	770	959
08-28-96 19:00	6.1	829	1054
08-28-96 20:00	6.2	822	1043
08-28-96 21:00	6.5	765	949
08-28-96 22:00	6.7	794	991
08-28-96 23:00	7.0	791	991
08-29-96 00:00	6.3	816	1031
08-29-96 01:00	6.1	883	1127
08-29-96 02:00	6.3	968	1240
08-29-96 03:00	3.1	932	949
08-29-96 04:00	13.3	798	1042
08-29-96 05:00	10.3	811	994
08-29-96 06:00	9.8	804	1003
08-29-96 07:00	7.8	771	978
08-29-96 08:00	6.3	735	1088
08-29-96 09:00	6.2	925	981
08-29-96 10:00	5.8	1128	995
08-29-96 11:00	5.0	1374	825
08-29-96 12:00	5.7	1213	1145
08-29-96 13:00	5.7	1212	1203
08-29-96 14:00	5.2	1179	1191
08-29-96 15:00	4.9	1172	1158
08-29-96 16:00	17.5	1225	1183
08-29-96 17:00	9.0	1056	1071
08-29-96 18:00	6.1	1020	986
08-29-96 19:00	11.6	1112	902
08-29-96 20:00	5.0	1096	1074
08-29-96 21:00	5.5	1048	1037
08-29-96 22:00	5.6	960	990
08-29-96 23:00	5.5	998	1009

FROM 07/01/96 00:00 TO 10/01/96 23:59

Date/Time	Opacity %	Cell 1 F	Cell 2 F
06-30-96 00:00	5.6	1030	1022
06-30-96 01:00	5.7	1026	1007
06-30-96 02:00	5.6	975	971
06-30-96 03:00	5.6	1056	922
06-30-96 04:00	8.0	936	1014
06-30-96 05:00	7.0	1035	1036
06-30-96 06:00	6.5	986	1002
06-30-96 07:00	10.0	888	917
06-30-96 08:00	5.8	942	964
06-30-96 09:00	6.5	932	960
06-30-96 10:00	6.5	883	905
06-30-96 11:00	7.1	1037	1047
06-30-96 12:00	6.9	922	953
06-30-96 13:00	6.9	860	888
06-30-96 14:00	6.5	856	886
06-30-96 15:00	6.4	972	998
06-30-96 16:00	19.6	1518	1077
06-30-96 17:00	5.7	1150	688
06-30-96 18:00	7.0	1149	626
06-30-96 19:00	7.0	1260	652
06-30-96 20:00	6.7	1079	605
06-30-96 21:00	7.1	1024	554
06-30-96 22:00	7.2	1010	545
06-30-96 23:00	7.9	1053	660
06-31-96 00:00	7.3	946	916
06-31-96 01:00	7.1	908	907
06-31-96 02:00	8.2	843	851
06-31-96 03:00	9.2	795	801
06-31-96 04:00	7.3	866	841
06-31-96 05:00	12.9	458	677
06-31-96 06:00	4.7	374	397
06-31-96 07:00	4.9	391	399
06-31-96 08:00	5.1	373	382
06-31-96 09:00	5.1	359	368
06-31-96 10:00	5.1	347	356
06-31-96 11:00	4.9	337	346
06-31-96 12:00	4.7	327	338
06-31-96 13:00	4.7	319	331
06-31-96 14:00	4.7	313	325
06-31-96 15:00	4.6	306	319
06-31-96 16:00	4.6	300	314
06-31-96 17:00	4.6	294	309
06-31-96 18:00	4.7	288	303
06-31-96 19:00	4.7	283	299
06-31-96 20:00	4.7	279	295

Process Down

FROM 07/01/96 00:00 TO 10/01/96 23:59

Date/Time	Capacity	Cell 1	Cell 2
	%	F	F
08-01-96 21:00	4.7	274	290
08-01-96 22:00	4.7	269	286
08-01-96 23:00	4.7	265	282
09-01-96 00:00	4.7	261	278
09-01-96 01:00	4.7	257	275
09-01-96 02:00	4.7	254	272
09-01-96 03:00	4.7	250	269
09-01-96 04:00	4.8	247	265
09-01-96 05:00	5.2	244	263
09-01-96 06:00	4.8	241	261
09-01-96 07:00	4.8	238	258
09-01-96 08:00	4.8	236	256
09-01-96 09:00	4.8	234	254
09-01-96 10:00	4.8	232	252
09-01-96 11:00	4.7	230	250
09-01-96 12:00	4.8	227	249
09-01-96 13:00	4.8	225	247
09-01-96 14:00	4.7	224	245
09-01-96 15:00	4.8	222	244
09-01-96 16:00	4.7	221	242
09-01-96 17:00	4.7	219	241
09-01-96 18:00	4.8	218	240
09-01-96 19:00	4.7	217	239
09-01-96 20:00	4.7	216	238
09-01-96 21:00	4.7	214	237
09-01-96 22:00	4.6	213	236
09-01-96 23:00	4.6	212	235
09-02-96 00:00	4.6	211	234
09-02-96 01:00	4.7	209	233
09-02-96 02:00	4.6	208	232
09-02-96 03:00	4.6	207	230
09-02-96 04:00	4.6	206	230
09-02-96 05:00	5.2	205	229
09-02-96 06:00	4.6	204	228
09-02-96 07:00	4.7	204	228
09-02-96 08:00	4.7	203	227
09-02-96 09:00	4.7	202	226
09-02-96 10:00	4.7	201	225
09-02-96 11:00	4.7	200	225
09-02-96 12:00	4.8	200	224
09-02-96 13:00	4.8	199	224
09-02-96 14:00	4.7	199	223
09-02-96 15:00	4.7	198	223
09-02-96 16:00	4.7	198	222
09-02-96 17:00	4.7	197	222

FROM 07/01/96 00:00 TO 10/01/96 23:59

Date/ Time	Opacity	Cell 1	Cell 2
	%	F	F
09-02-96 18:00	4.7	197	221
09-02-96 19:00	4.7	196	221
09-02-96 20:00	4.7	195	220
09-02-96 21:00	4.7	195	220
09-02-96 22:00	4.7	194	219
09-02-96 23:00	4.7	194	219
09-03-96 00:00	4.7	193	218
09-03-96 01:00	4.7	193	218
09-03-96 02:00	4.7	192	217
09-03-96 03:00	4.8	192	217
09-03-96 04:00	16.6	748	736
09-03-96 05:00	6.4	703	761
09-03-96 06:00	13.3	384	490
09-03-96 07:00	13.5	350	729
09-03-96 08:00	11.1	372	784
09-03-96 09:00	9.8	451	949
09-03-96 10:00	6.9	1315	1068
09-03-96 11:00	5.8	1058	1109
09-03-96 12:00	5.7	928	976
09-03-96 13:00	5.1	638	669
09-03-96 14:00	9.9	805	847
09-03-96 15:00	7.3	849	891
09-03-96 16:00	6.9	791	835
09-03-96 17:00	8.1	817	845
09-03-96 18:00	6.9	1016	1063
09-03-96 19:00	6.2	959	1007
09-03-96 20:00	5.0	995	1021
09-03-96 21:00	6.1	988	1013
09-03-96 22:00	6.4	941	970
09-03-96 23:00	6.6	945	963
09-04-96 00:00	7.2	1064	1087
09-04-96 01:00	6.2	1085	1144
09-04-96 02:00	6.9	936	948
09-04-96 03:00	8.6	1084	1141
09-04-96 04:00	7.6	1051	1013
09-04-96 05:00	7.4	1004	975
09-04-96 06:00	7.0	959	907
09-04-96 07:00	6.5	957	906
09-04-96 08:00	6.8	1021	1038
09-04-96 09:00	6.5	1135	1187
09-04-96 10:00	6.7	1092	1123
09-04-96 11:00	6.6	1182	1220
09-04-96 12:00	6.4	1211	1241
09-04-96 13:00	7.0	1208	1212
09-04-96 14:00	6.6	1236	1282

Process up

FROM 07/01/96 00:00 TO 10/01/96 23:59

Date/ Time	Capacity %	Cell 1 F	Cell 2 F
09-04-96 15:00	5.5	1150	1188
09-04-96 16:00	6.9	1202	1224
09-04-96 17:00	6.7	1279	1331
09-04-96 18:00	7.6	1153	1192
09-04-96 19:00	11.0	1069	1054
09-04-96 20:00	5.2	1218	1239
09-04-96 21:00	6.0	1232	1266
09-04-96 22:00	5.9	1124	1131
09-04-96 23:00	6.7	1267	1283
09-05-96 00:00	6.0	1170	1182
09-05-96 01:00	6.1	1207	1208
09-05-96 02:00	5.3	1046	1061
09-05-96 03:00	6.2	1017	1104
09-05-96 04:00	3.0	1052	1014
09-05-96 05:00	11.9	821	859
09-05-96 06:00	5.9	1111	1062
09-05-96 07:00	5.9	1142	1079
09-05-96 08:00	6.3	1018	960
09-05-96 09:00	6.5	1174	1119
09-05-96 10:00	6.3	1159	1125
09-05-96 11:00	6.3	1139	1111
09-05-96 12:00	9.8	854	831
09-05-96 13:00	14.4	444	509
09-05-96 14:00	6.2	1193	1185
09-05-96 15:00	5.5	1071	1081
09-05-96 16:00	6.2	900	902
09-05-96 17:00	6.2	982	960
09-05-96 18:00	6.3	1033	1006
09-05-96 19:00	6.2	982	986
09-05-96 20:00	6.7	1001	1004
09-05-96 21:00	6.4	963	963
09-05-96 22:00	12.1	975	697
09-05-96 23:00	6.3	986	1019
09-06-96 00:00	6.3	862	866
09-06-96 01:00	6.7	866	867
09-06-96 02:00	6.4	1097	1124
09-06-96 03:00	6.6	970	1066
09-06-96 04:00	7.2	904	872
09-06-96 05:00	7.2	1115	1152
09-06-96 06:00	6.6	1185	1265
09-06-96 07:00	10.9	954	710
09-06-96 08:00	8.2	1012	968
09-06-96 09:00	6.6	1001	1038
09-06-96 10:00	7.0	1014	1051
09-06-96 11:00	6.4	1084	1123



FROM 07/01/96 00:00 TO 10/01/96 23:59

Date/Time	Capacity %	Cell 1	Cell 2
		F	F
07-06-96 12:00	6.5	1046	1102
09-06-96 13:00	6.6	1027	1049
09-06-96 14:00	7.1	1054	1073
09-06-96 15:00	6.3	1107	1152
09-06-96 16:00	6.2	1085	1110
09-06-96 17:00	6.9	1109	1135
09-06-96 18:00	6.8	930	950
09-06-96 19:00	8.1	869	878
09-06-96 20:00	7.2	923	955
09-06-96 21:00	10.1	807	815
09-06-96 22:00	14.5	640	633
09-06-96 23:00	14.6	281	287
09-07-96 00:00	10.8	245	259
09-07-96 01:00	9.1	225	242
09-07-96 02:00	5.8	237	254
09-07-96 03:00	5.1	262	275
09-07-96 04:00	5.1	257	271
09-07-96 05:00	5.5	251	266
09-07-96 06:00	5.1	246	262
09-07-96 07:00	5.2	242	262
09-07-96 08:00	5.3	239	259
09-07-96 09:00	5.3	237	257
09-07-96 10:00	5.1	235	256
09-07-96 11:00	4.8	232	254
09-07-96 12:00	4.7	230	252
09-07-96 13:00	4.6	227	250
09-07-96 14:00	4.6	225	248
09-07-96 15:00	4.5	223	246
09-07-96 16:00	4.6	219	243
09-07-96 17:00	4.7	217	240
09-07-96 18:00	4.9	215	237
09-07-96 19:00	5.0	212	234
09-07-96 20:00	5.0	210	232
09-07-96 21:00	5.0	208	230
09-07-96 22:00	5.0	206	229
09-07-96 23:00	5.0	204	228
09-08-96 00:00	5.0	203	226
09-08-96 01:00	5.0	201	225
09-08-96 02:00	5.0	200	223
09-08-96 03:00	5.0	199	222
09-08-96 04:00	5.0	197	221
09-08-96 05:00	5.4	196	220
09-08-96 06:00	5.1	195	220
09-08-96 07:00	5.1	195	220
09-08-96 08:00	5.3	196	221

Process Down

FROM 07/01/96 00:00 TO 10/01/96 23:59

Date/Time	Opacity %	Cell 1	Cell 2
		F	F
09-08-96 09:00	5.3	197	222
09-08-96 10:00	5.0	197	222
09-08-96 11:00	5.0	196	222
09-08-96 12:00	4.7	196	221
09-08-96 13:00	5.1	194	220
09-08-96 14:00	4.8	193	219
09-08-96 15:00	4.7	193	219
09-08-96 16:00	4.7	193	218
09-08-96 17:00	4.8	192	218
09-08-96 18:00	5.0	192	217
09-08-96 19:00	5.0	190	216
09-08-96 20:00	5.0	189	215
09-08-96 21:00	5.0	189	214
09-08-96 22:00	5.0	188	214
09-08-96 23:00	5.0	187	213
09-09-96 00:00	5.0	187	212
09-09-96 01:00	5.0	186	212
09-09-96 02:00	5.0	186	212
09-09-96 03:00	5.0	185	211
09-09-96 04:00	12.9	219	273
09-09-96 05:00	3.7	1062	1259
09-09-96 06:00	6.6	1311	1288
09-09-96 07:00	6.9	1182	1243
09-09-96 08:00	7.6	1246	1305
09-09-96 09:00	7.1	1257	1312
09-09-96 10:00	6.8	1242	1268
09-09-96 11:00	6.8	1182	1234
09-09-96 12:00	6.5	1123	1149
09-09-96 13:00	8.1	1365	1385
09-09-96 14:00	6.7	1249	1307
09-09-96 15:00	6.7	1109	1157
09-09-96 16:00	10.6	1074	970
09-09-96 17:00	6.1	1130	1088
09-09-96 18:00	5.9	1173	1245
09-09-96 19:00	5.9	1215	1255
09-09-96 20:00	6.9	1233	1289
09-09-96 21:00	6.4	1350	1402
09-09-96 22:00	6.3	1260	1297
09-09-96 23:00	7.1	1168	1210
09-10-96 00:00	6.4	1211	1257
09-10-96 01:00	6.7	1214	1253
09-10-96 02:00	7.1	1264	1306
09-10-96 03:00	7.7	1328	1279
09-10-96 04:00	9.4	1115	1248
09-10-96 05:00	8.5	1388	1454

Process up

FROM 07/01/96 00:00 TO 10/01/96 23:59

Date	Time	Opacity %	Cell 1 F	Cell 2 F
09-10-96	06:00	7.4	1284	1353
09-10-96	07:00	6.6	1240	1280
09-10-96	08:00	6.1	1205	1236
09-10-96	09:00	5.2	1260	1254
09-10-96	10:00	5.5	1272	1277
09-10-96	11:00	7.2	1276	1325
09-10-96	12:00	8.8	1407	1319
09-10-96	13:00	6.5	1250	1290
09-10-96	14:00	7.0	1260	1315
09-10-96	15:00	6.7	1125	1168
09-10-96	16:00	6.9	1100	1145
09-10-96	17:00	6.7	1083	1130
09-10-96	18:00	7.6	1028	1046
09-10-96	19:00	7.0	1198	1231
09-10-96	20:00	7.1	1214	1272
09-10-96	21:00	6.5	1226	1275
09-10-96	22:00	9.0	1118	992
09-10-96	23:00	5.6	989	1004
09-11-96	00:00	6.4	1052	1061
09-11-96	01:00	5.6	1119	1138
09-11-96	02:00	6.4	1293	1078
09-11-96	03:00	5.6	1318	1184
09-11-96	04:00	8.1	1281	1366
09-11-96	05:00	6.4	1221	1265
09-11-96	06:00	13.3	990	841
09-11-96	07:00	6.8	1220	1194
09-11-96	08:00	6.2	1112	1148
09-11-96	09:00	6.7	1316	1356
09-11-96	10:00	6.2	1318	1375
09-11-96	11:00	5.9	1133	1184
09-11-96	12:00	5.8	1030	1073
09-11-96	13:00	5.9	1125	756
09-11-96	14:00	11.0	871	560
09-11-96	15:00	12.0	859	625
09-11-96	16:00	5.8	1000	999
09-11-96	17:00	5.8	1009	988
09-11-96	18:00	6.3	962	914
09-11-96	19:00	5.4	1072	1080
09-11-96	20:00	5.4	1084	1084
09-11-96	21:00	6.5	954	929
09-11-96	22:00	6.0	960	912
09-11-96	23:00	6.6	1052	1012
09-12-96	00:00	9.5	1317	1084
09-12-96	01:00	5.4	1204	1227
09-12-96	02:00	5.7	1088	1075

FROM 07/01/96 00:00 TO 10/01/96 23:59

Date/ Time	Opacity %	Cell 1 F	Cell 2 F
09-12-96 03:00	5.7	1254	1118
09-12-96 04:00	11.9	999	958
09-12-96 05:00	8.2	1108	1126
09-12-96 06:00	6.3	973	981
09-12-96 07:00	6.8	964	978
09-12-96 08:00	11.6	1041	1053
09-12-96 09:00	6.9	930	961
09-12-96 10:00	5.3	1255	1272
09-12-96 11:00	4.9	1340	1325
09-12-96 12:00	6.4	1175	1219
09-12-96 13:00	4.6	1229	1169
09-12-96 14:00	7.7	1052	1151
09-12-96 15:00	4.8	1065	1051
09-12-96 16:00	4.0	1049	852
09-12-96 17:00	4.0	1101	612
09-12-96 18:00	4.0	1185	1131
09-12-96 19:00	4.8	1130	1080
09-12-96 20:00	4.8	1040	1003
09-12-96 21:00	4.8	1146	1100
09-12-96 22:00	4.5	1198	1134
09-12-96 23:00	5.1	1022	994
09-13-96 00:00	5.0	1238	1154
09-13-96 01:00	5.2	1287	1231
09-13-96 02:00	5.3	1141	1088
09-13-96 03:00	6.7	1048	984
09-13-96 04:00	11.1	942	895
09-13-96 05:00	7.9	958	922
09-13-96 06:00	5.6	882	930
09-13-96 07:00	5.3	957	956
09-13-96 08:00	4.9	1029	1013
09-13-96 09:00	4.7	1034	1027
09-13-96 10:00	5.6	1099	1151
09-13-96 11:00	4.3	1404	1382
09-13-96 12:00	4.2	1088	1050
09-13-96 13:00	4.9	961	962
09-13-96 14:00	5.1	1000	995
09-13-96 15:00	5.2	1100	1093
09-13-96 16:00	4.8	1092	1082
09-13-96 17:00	4.9	1143	1110
09-13-96 18:00	13.3	852	707
09-13-96 19:00	11.5	1005	885
09-13-96 20:00	4.9	1096	1135
09-13-96 21:00	5.7	945	958
09-13-96 22:00	6.2	903	905
09-13-96 23:00	4.5	1032	1010

FROM 07/01/96 00:00 TO 10/01/96 23:59

Date/Time	Opacity %	Cell 1 F	Cell 2 F
09-14-96 00:00	4.5	1116	1071
09-14-96 01:00	4.9	1260	1257
09-14-96 02:00	4.5	1198	1187
09-14-96 03:00	5.1	1087	1053
09-14-96 04:00	5.0	1106	949
09-14-96 05:00	5.7	568	709
09-14-96 06:00	5.0	459	470
09-14-96 07:00	5.4	427	439
09-14-96 08:00	5.5	405	417
09-14-96 09:00	5.5	387	401
09-14-96 10:00	5.4	374	387
09-14-96 11:00	5.2	362	376
09-14-96 12:00	5.0	352	366
09-14-96 13:00	4.9	342	356
09-14-96 14:00	4.9	333	348
09-14-96 15:00	4.8	325	340
09-14-96 16:00	4.8	315	331
09-14-96 17:00	5.0	306	322
09-14-96 18:00	5.1	299	315
09-14-96 19:00	5.2	292	309
09-14-96 20:00	5.1	286	303
09-14-96 21:00	5.1	280	298
09-14-96 22:00	5.1	274	293
09-14-96 23:00	5.1	269	288
09-15-96 00:00	5.1	265	284
09-15-96 01:00	5.1	261	280
09-15-96 02:00	5.1	257	277
09-15-96 03:00	5.1	254	274
09-15-96 04:00	5.1	251	271
09-15-96 05:00	5.4	248	268
09-15-96 06:00	5.1	245	266
09-15-96 07:00	5.1	242	264
09-15-96 08:00	5.0	240	262
09-15-96 09:00	5.0	238	260
09-15-96 10:00	5.1	236	258
09-15-96 11:00	5.1	233	256
09-15-96 12:00	5.0	232	254
09-15-96 13:00	5.1	230	253
09-15-96 14:00	5.0	228	252
09-15-96 15:00	5.0	227	250
09-15-96 16:00	5.0	225	248
09-15-96 17:00	5.0	224	247
09-15-96 18:00	5.0	222	245
09-15-96 19:00	5.0	220	244
09-15-96 20:00	5.0	219	243

Process Down

FROM 07/01/96 00:00 TO 10/01/96 23:59

Date/Time	Opacity %	Cell 1 F	Cell 2 F
09-15-96 21:00	5.0	217	241
09-15-96 22:00	5.1	216	240
09-15-96 23:00	5.0	215	239
09-16-96 00:00	5.0	214	238
09-16-96 01:00	5.2	212	237
09-16-96 02:00	5.1	212	236
09-16-96 03:00	5.1	211	236
09-16-96 04:00	13.9	706	723
09-16-96 05:00	5.5	1159	1183
09-16-96 06:00	5.6	889	918
09-16-96 07:00	6.6	875	886
09-16-96 08:00	6.4	954	999
09-16-96 09:00	5.0	1095	1178
09-16-96 10:00	5.7	1049	1060
09-16-96 11:00	6.8	1081	1070
09-16-96 12:00	7.3	922	927
09-16-96 13:00	10.0	501	503
09-16-96 14:00	6.2	1232	1318
09-16-96 15:00	4.7	1225	1214
09-16-96 16:00	4.5	987	1002
09-16-96 17:00	4.9	1078	1072
09-16-96 18:00	9.3	1057	960
09-16-96 19:00	13.5	838	689
09-16-96 20:00	5.0	1259	1299
09-16-96 21:00	4.9	1123	1194
09-16-96 22:00	4.7	1149	1139
09-16-96 23:00	4.5	1238	1224
09-17-96 00:00	4.7	1120	1063
09-17-96 01:00	4.6	1285	719
09-17-96 02:00	4.3	1329	725
09-17-96 03:00	5.2	1374	940
09-17-96 04:00	6.9	1191	1154
09-17-96 05:00	6.5	1003	1013
09-17-96 06:00	6.6	905	917
09-17-96 07:00	5.9	943	976
09-17-96 08:00	5.9	938	968
09-17-96 09:00	5.7	1004	1019
09-17-96 10:00	4.9	1233	1160
09-17-96 11:00	4.9	1147	1119
09-17-96 12:00	5.2	1062	1051
09-17-96 13:00	10.1	1005	832
09-17-96 14:00	4.6	1208	1136
09-17-96 15:00	5.3	1056	1142
09-17-96 16:00	4.5	1296	1254
09-17-96 17:00	4.1	1118	1096

Process No

FROM 07/01/96 00:00 TO 10/01/96 23:59

Date/Time	Opacity %	Cell 1 F	Cell 2 F
09-17-96 18:00	7.3	963	1084
09-17-96 19:00	9.6	723	600
09-17-96 20:00	10.5	860	788
09-17-96 21:00	5.5	1174	1196
09-17-96 22:00	4.6	1015	1058
09-17-96 23:00	4.9	1016	1045
09-18-96 00:00	4.9	1139	1143
09-18-96 01:00	4.7	1358	1233
09-18-96 02:00	4.6	1137	1138
09-18-96 03:00	4.7	1164	1008
09-18-96 04:00	5.4	1106	1117
09-18-96 05:00	5.3	1090	982
09-18-96 06:00	5.5	1149	655
09-18-96 07:00	5.3	841	971
09-18-96 08:00	5.4	486	897
09-18-96 09:00	5.8	470	1002
09-18-96 10:00	7.0	496	1109
09-18-96 11:00	10.1	910	559
09-18-96 12:00	5.5	1262	1224
09-18-96 13:00	4.6	1165	1183
09-18-96 14:00	5.2	1075	1007
09-18-96 15:00	5.0	898	926
09-18-96 16:00	4.9	861	913
09-18-96 17:00	4.9	949	962
09-18-96 18:00	5.3	767	777
09-18-96 19:00	7.5	1271	1017
09-18-96 20:00	10.7	1060	980
09-18-96 21:00	13.4	1034	993
09-18-96 22:00	5.6	1391	1274
09-18-96 23:00	5.0	1283	1236
09-19-96 00:00	7.4	1138	1151
09-19-96 01:00	5.4	1150	1178
09-19-96 02:00	6.7	1239	1305
09-19-96 03:00	7.2	1197	1008
09-19-96 04:00	6.3	1101	1123
09-19-96 05:00	5.6	1192	1242
09-19-96 06:00	4.7	1061	1101
09-19-96 07:00	6.3	1273	1103
09-19-96 08:00	5.2	1067	1052
09-19-96 09:00	6.7	1001	1022
09-19-96 10:00	5.2	990	1001
09-19-96 11:00	5.6	1032	1051
09-19-96 12:00	5.6	1114	1216
09-19-96 13:00	4.4	1067	1110
09-19-96 14:00	4.7	1095	1096

FROM 07/01/96 00:00 TO 10/01/96 23:59

OCT 23 1996

Date	Time	Capacity %	Cell 1 F	Cell 2 F
09-19-96	15:00	7.7	1035	943
09-19-96	16:00	5.2	989	1047
09-19-96	17:00	5.9	939	952
09-19-96	18:00	7.0	798	842
09-19-96	19:00	14.6	1035	906
09-19-96	20:00	5.7	977	862
09-19-96	21:00	12.3	928	585
09-19-96	22:00	9.9	1082	970
09-19-96	23:00	5.0	1025	1037
09-20-96	00:00	4.8	1069	1059
09-20-96	01:00	4.9	1079	1031
09-20-96	02:00	4.9	1039	1017
09-20-96	03:00	7.0	1072	892
09-20-96	04:00	8.1	1228	1101
09-20-96	05:00	6.7	961	919
09-20-96	06:00	9.7	836	791
09-20-96	07:00	7.3	1119	875
09-20-96	08:00	6.3	1181	1085
09-20-96	09:00	6.5	1199	1155
09-20-96	10:00	13.4	545	455
09-20-96	11:00	7.9	1175	780
09-20-96	12:00	5.9	1047	944
09-20-96	13:00	5.7	1081	1002
09-20-96	14:00	6.3	1234	1145
09-20-96	15:00	6.7	1073	1019
09-20-96	16:00	6.2	739	682
09-20-96	17:00	12.1	412	364
09-20-96	18:00	11.4	1184	754
09-20-96	19:00	4.7	644	654
09-20-96	20:00	6.1	301	319
09-20-96	21:00	9.5	987	871
09-20-96	22:00	5.5	1215	1187
09-20-96	23:00	6.3	1149	884
09-21-96	00:00	6.6	1050	797
09-21-96	01:00	7.2	997	893
09-21-96	02:00	8.5	825	826
09-21-96	03:00	6.5	940	872
09-21-96	04:00	7.4	649	858
09-21-96	05:00	10.9	524	802
09-21-96	06:00	7.3	388	412
09-21-96	07:00	5.2	399	420
09-21-96	08:00	5.6	380	398
09-21-96	09:00	5.8	364	380
09-21-96	10:00	5.5	351	367
09-21-96	11:00	5.3	340	356

Process Down

FROM 07/01/96 00:00 TO 10/01/96 23:59

Date/Time	Capacity %	Cell 1 F	Cell 2 F
09-21-96 12:00	5.2	330	346
09-21-96 13:00	5.2	321	338
09-21-96 14:00	5.1	313	330
09-21-96 15:00	5.1	306	323
09-21-96 16:00	5.0	300	317
09-21-96 17:00	5.1	293	311
09-21-96 18:00	5.1	286	305
09-21-96 19:00	5.1	280	299
09-21-96 20:00	5.1	275	294
09-21-96 21:00	5.1	270	289
09-21-96 22:00	5.1	265	285
09-21-96 23:00	5.1	260	281
09-22-96 00:00	5.1	256	276
09-22-96 01:00	5.1	252	273
09-22-96 02:00	5.1	248	269
09-22-96 03:00	5.1	244	266
09-22-96 04:00	5.1	241	263
09-22-96 05:00	5.4	233	260
09-22-96 06:00	5.2	235	257
09-22-96 07:00	5.5	233	256
09-22-96 08:00	5.8	232	255
09-22-96 09:00	5.6	231	254
09-22-96 10:00	5.5	230	253
09-22-96 11:00	5.3	228	252
09-22-96 12:00	5.1	225	250
09-22-96 13:00	5.0	225	248
09-22-96 14:00	5.0	224	247
09-22-96 15:00	4.9	222	245
09-22-96 16:00	4.8	220	244
09-22-96 17:00	5.0	218	242
09-22-96 18:00	5.1	216	240
09-22-96 19:00	5.1	214	238
09-22-96 20:00	5.1	213	237
09-22-96 21:00	5.1	211	235
09-22-96 22:00	5.1	209	234
09-22-96 23:00	5.1	208	232
09-23-96 00:00	5.1	207	231
09-23-96 01:00	5.0	205	230
09-23-96 02:00	5.0	204	228
09-23-96 03:00	10.9	222	235
09-23-96 04:00	13.6	797	644
09-23-96 05:00	8.0	1026	900
09-23-96 06:00	6.3	903	891
09-23-96 07:00	5.9	983	971
09-23-96 08:00	6.4	972	963

Process Up
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FROM 07/01/96 00:00 TO 10/01/96 23:59

Date/Time	Opacity %	Cell 1 F	Cell 2 F
09-23-96 09:00	7.3	1065	1024
09-23-96 10:00	6.6	1153	1143
09-23-96 11:00	6.4	1402	1303
09-23-96 12:00	-9999.0	1170	1126
09-23-96 13:00	-9999.0	1045	996
09-23-96 14:00	-9999.0	1109	1029
09-23-96 15:00	-9999.0	1101	1109
09-23-96 16:00	-9999.0	1027	1053
09-23-96 17:00	6.1	1067	1009
09-23-96 18:00	12.1	989	980
09-23-96 19:00	20.6	502	905
09-23-96 20:00	11.3	1129	1071
09-23-96 21:00	6.1	974	1035
09-23-96 22:00	7.6	919	947
09-23-96 23:00	6.5	1060	1077
09-24-96 00:00	14.9	1083	758
09-24-96 01:00	10.7	984	630
09-24-96 02:00	27.3	653	519
09-24-96 03:00	15.1	912	814
09-24-96 04:00	14.4	905	565
09-24-96 05:00	18.2	747	477
09-24-96 06:00	8.9	1027	697
09-24-96 07:00	10.9	560	433
09-24-96 08:00	7.1	1088	1005
09-24-96 09:00	6.8	1178	1043
09-24-96 10:00	6.1	1071	1058
09-24-96 11:00	7.1	990	1109
09-24-96 12:00	5.3	1229	1205
09-24-96 13:00	-9999.0	1076	1092
09-24-96 14:00	-9999.0	1049	1091
09-24-96 15:00	-9999.0	1118	1223
09-24-96 16:00	7.1	1096	1177
09-24-96 17:00	6.8	1199	1277
09-24-96 18:00	7.0	1093	1121
09-24-96 19:00	7.0	1231	1281
09-24-96 20:00	6.9	1237	1282
09-24-96 21:00	6.3	1113	1149
09-24-96 22:00	6.3	1161	1204
09-24-96 23:00	5.9	1138	1159
09-25-96 00:00	6.3	1147	1179
09-25-96 01:00	5.4	1076	1130
09-25-96 02:00	5.5	989	1008
09-25-96 03:00	7.6	1241	980
09-25-96 04:00	3.8	767	1039
09-25-96 05:00	6.7	1021	972

Power outage Recalibrate opacity meter

Process up

Cleaning lens on opacity meter

Process up

FROM 07/01/96 00:00 TO 10/01/96 23:59

Date/Time	Opacity %	Cell 1 F	Cell 2 F
09-26-96 06:00	6.1	972	993
09-26-96 07:00	6.2	1000	951
09-26-96 08:00	5.6	1017	946
09-26-96 09:00	7.5	1003	795
09-26-96 10:00	7.2	1169	1212
09-26-96 11:00	7.6	1030	1074
09-26-96 12:00	-9999.0	939	963
09-26-96 13:00	-9999.0	847	884
09-26-96 14:00	7.4	964	946
09-26-96 15:00	5.2	1164	1158
09-26-96 16:00	-9999.0	1046	1062
09-26-96 17:00	7.5	915	927
09-26-96 18:00	5.7	938	954
09-26-96 19:00	6.4	1065	1064
09-26-96 20:00	5.7	990	1017
09-26-96 21:00	7.3	955	921
09-26-96 22:00	6.9	1144	1123
09-26-96 23:00	6.8	1064	1057
10-01-96 00:00	6.9	1110	1122
10-01-96 01:00	6.9	1151	1106
10-01-96 02:00	7.5	1263	1231
10-01-96 03:00	7.6	1086	983
10-01-96 04:00	7.5	970	1022
10-01-96 05:00	7.1	1062	1064
10-01-96 06:00	7.0	975	937
10-01-96 07:00	6.9	870	853
10-01-96 08:00	5.7	524	526
10-01-96 09:00	12.9	689	686
10-01-96 10:00	7.3	1035	1052
10-01-96 11:00	7.9	1078	1096
10-01-96 12:00	7.6	737	1028
10-01-96 13:00	7.1	1020	1073
10-01-96 14:00	8.0	596	966
10-01-96 15:00	6.8	513	931
10-01-96 16:00	6.6	486	892
10-01-96 17:00	8.5	488	899
10-01-96 18:00	8.1	503	1040
10-01-96 19:00	6.5	653	1319
10-01-96 20:00	6.4	543	1073
10-01-96 21:00	6.8	466	953
10-01-96 22:00	9.1	401	763
10-01-96 23:00	8.4	411	917
10-02-96 00:00	7.1	423	916
10-02-96 01:00	26.9	420	973
10-02-96 02:00	13.5	439	990

Cleaning lens opacity meter

Process up

Cell #1 not on line

FROM 07/01/96 00:00 TO 10/01/96 23:59

Date/ Time	Opacity %	Cell 1	Cell 2
		F	F
09-27-96 03:00	27.7	393	778
09-27-96 04:00	8.7	469	924
09-27-96 05:00	7.1	508	1000
09-27-96 06:00	9.0	461	867
09-27-96 07:00	6.0	463	920
09-27-96 08:00	6.0	518	1116
09-27-96 09:00	3.7	500	1010
09-27-96 10:00	5.5	625	1233
09-27-96 11:00	5.2	542	1102
09-27-96 12:00	5.6	488	1034
09-27-96 13:00	7.7	494	1016
09-27-96 14:00	8.9	661	1154
09-27-96 15:00	5.3	759	1109
09-27-96 16:00	5.6	1159	1210
09-27-96 17:00	5.9	1131	1185
09-27-96 18:00	5.4	1136	1162
09-27-96 19:00	5.8	1089	1102
09-27-96 20:00	24.7	931	888
09-27-96 21:00	24.4	848	959
09-27-96 22:00	15.2	803	944
09-27-96 23:00	12.6	843	963
09-28-96 00:00	24.6	812	920
09-28-96 01:00	3.4	809	904
09-28-96 02:00	6.7	916	680
09-28-96 03:00	53.9	568	658
09-28-96 04:00	47.6	797	749
09-28-96 05:00	13.6	508	662
09-28-96 06:00	4.9	342	377
09-28-96 07:00	5.5	356	381
09-28-96 08:00	5.8	346	367
09-28-96 09:00	5.7	335	354
09-28-96 10:00	5.5	325	343
09-28-96 11:00	5.4	316	334
09-28-96 12:00	5.3	308	327
09-28-96 13:00	5.2	300	320
09-28-96 14:00	5.1	294	314
09-28-96 15:00	5.1	288	308
09-28-96 16:00	5.1	282	303
09-28-96 17:00	5.2	276	297
09-28-96 18:00	5.1	270	292
09-28-96 19:00	5.0	265	287
09-28-96 20:00	4.9	260	282
09-28-96 21:00	4.9	255	277
09-28-96 22:00	4.9	251	273
09-28-96 23:00	4.9	247	269

Process Up



cell #1 Not on line.

cell #1 Back on line.

Process Down



FROM 07/01/96 00:00 TO 10/01/96 23:59

Date/ Time	Opacity %	Cell 1	Cell 2
		F	F
09-29-96 00:00	4.9	243	266
09-29-96 01:00	4.9	240	262
09-29-96 02:00	4.6	236	259
09-29-96 03:00	4.8	233	256
09-29-96 04:00	4.9	230	253
09-29-96 05:00	5.2	227	250
09-29-96 06:00	5.1	225	248
09-29-96 07:00	5.6	223	247
09-29-96 08:00	5.7	222	246
09-29-96 09:00	5.7	221	246
09-29-96 10:00	5.4	220	244
09-29-96 11:00	5.4	219	243
09-29-96 12:00	5.2	217	242
09-29-96 13:00	5.1	216	240
09-29-96 14:00	5.1	214	239
09-29-96 15:00	5.0	213	238
09-29-96 16:00	5.0	212	237
09-29-96 17:00	5.2	210	235
09-29-96 18:00	5.1	208	234
09-29-96 19:00	5.0	207	232
09-29-96 20:00	5.0	205	230
09-29-96 21:00	4.9	204	229
09-29-96 22:00	4.9	202	228
09-29-96 23:00	4.9	201	226
09-30-96 00:00	4.9	200	225
09-30-96 01:00	4.3	199	224
09-30-96 02:00	4.8	197	222
09-30-96 03:00	5.2	195	220
09-30-96 04:00	60.6	189	218
09-30-96 05:00	67.7	386	458
09-30-96 06:00	11.6	1310	1227
09-30-96 07:00	12.7	1146	1139
09-30-96 08:00	11.2	1069	1075
09-30-96 09:00	12.7	991	1021
09-30-96 10:00	10.2	973	1003
09-30-96 11:00	10.2	973	1010
09-30-96 12:00	11.0	1077	1189
09-30-96 13:00	11.5	953	1183
09-30-96 14:00	13.0	1069	1084
09-30-96 15:00	11.1	1090	1158
09-30-96 16:00	10.6	1074	1064
09-30-96 17:00	10.5	1103	1108
09-30-96 18:00	10.9	1049	1046
09-30-96 19:00	10.6	1070	1051
09-30-96 20:00	11.5	995	977

Process up

FROM 07/01/96 00:00 TO 10/01/96 23:59

Date/ Time	Opacity %	Cell 1 F	Cell 2 F
09-30-96 21:00	10.2	1220	1213
09-30-96 22:00	9.0	1231	1266
09-30-96 23:00	10.4	1074	1086
10-01-96 00:00	11.0	1035	1075
10-01-96 01:00	10.2	1033	1048
10-01-96 02:00	10.0	1070	1096
10-01-96 03:00	10.4	1048	1084
10-01-96 04:00	17.6	1228	1283
10-01-96 05:00	8.7	1418	1459
10-01-96 06:00	8.9	1364	1380
10-01-96 07:00	11.6	1155	1174
10-01-96 08:00	12.3	1020	1021
10-01-96 09:00	11.0	1032	1052
10-01-96 10:00	10.0	1036	1070
10-01-96 11:00	10.5	945	965
10-01-96 12:00	9.2	955	983
10-01-96 13:00	9.9	1077	1086
10-01-96 14:00	11.8	1009	1057
10-01-96 15:00	9.7	1066	1133
10-01-96 16:00	9.9	1139	1189
10-01-96 17:00	12.6	985	998
10-01-96 18:00	12.2	875	863
10-01-96 19:00	13.0	1043	848
10-01-96 20:00	11.0	1014	983
10-01-96 21:00	10.7	1016	972
10-01-96 22:00	8.7	1074	1042
10-01-96 23:00	7.6	1065	1078

Koppers Industries
Tie Plant Road
Daily Summary

Page 1

FROM 07/01/98 00:00 TO 07/31/98 23:59

Date/ Time	Opacity %	Cell 1 F	Cell 2 F
07-01-98 00:00	0.0	1511	1564
07-01-98 01:00	0.0	1506	1202
07-01-98 02:00	0.0	1696	1501
07-01-98 03:00	0.0	1354	1367
07-01-98 04:00	0.0	1595	1410
07-01-98 05:00	0.0	1560	1559
07-01-98 06:00	0.0	1451	1388
07-01-98 07:00	0.0	1540	1536
07-01-98 08:00	0.0	1543	1632
07-01-98 09:00	0.0	1652	1567
07-01-98 10:00	0.0	1569	1630
07-01-98 11:00	0.0	1380	1413
07-01-98 12:00	0.0	1218	1181
07-01-98 13:00	0.0	1480	1479
07-01-98 14:00	0.0	1566	1576
07-01-98 15:00	0.0	1512	1594
07-01-98 16:00	0.0	937	872
07-01-98 17:00	0.0	958	1083
07-01-98 18:00	0.0	1100	1179
07-01-98 19:00	0.0	1463	1509
07-01-98 20:00	0.0	1338	1454
07-01-98 21:00	0.0	1481	1577
07-01-98 22:00	0.0	1439	1591
07-01-98 23:00	0.0	1389	1412
07-02-98 00:00	0.0	1432	1400
07-02-98 01:00	0.0	1387	1461
07-02-98 02:00	0.0	996	1074
07-02-98 03:00	0.0	766	908
07-02-98 04:00	0.0	1282	1261
07-02-98 05:00	0.0	1483	1471
07-02-98 06:00	0.0	1441	1585
07-02-98 07:00	0.0	1510	1624
07-02-98 08:00	0.0	1608	1600
07-02-98 09:00	0.0	1618	1693
07-02-98 10:00	0.0	1644	1690
07-02-98 11:00	0.0	1438	1608
07-02-98 12:00	0.0	1529	1542
07-02-98 13:00	0.0	1623	1654
07-02-98 14:00	0.0	1585	1715
07-02-98 15:00	0.0	1716	1692
07-02-98 16:00	0.0	1734	1626
07-02-98 17:00	0.0	1208	1271
07-02-98 18:00	0.0	1423	1468
07-02-98 19:00	0.0	1538	1622
07-02-98 20:00	0.0	1538	1626

Koppers Industries
Tie Plant Road
Daily Summary

Page 2

FROM 07/01/98 00:00 TO 07/31/98 23:59

Date/ Time	Opacity %	Cell 1 F	Cell 2 F
07-02-98 21:00	0.0	1554	1648
07-02-98 22:00	0.0	1597	1698
07-02-98 23:00	0.0	1515	1604
07-03-98 00:00	0.0	1667	1702
07-03-98 01:00	0.0	1535	1491
07-03-98 02:00	0.0	1606	1697
07-03-98 03:00	0.0	1433	1386
07-03-98 04:00	0.0	1133	1140
07-03-98 05:00	0.0	1653	1626
07-03-98 06:00	0.0	1607	1702
07-03-98 07:00	0.0	1648	1699
07-03-98 08:00	0.0	1497	1516
07-03-98 09:00	0.0	1653	1549
07-03-98 10:00	0.0	1660	1671
07-03-98 11:00	0.0	1441	1421
07-03-98 12:00	0.0	1413	1423
07-03-98 13:00	0.0	1455	1513
07-03-98 14:00	0.0	1653	1684
07-03-98 15:00	0.0	1618	1672
07-03-98 16:00	0.0	1541	1504
07-03-98 17:00	0.0	1504	1368
07-03-98 18:00	0.0	1428	1627
07-03-98 19:00	0.0	1591	1615
07-03-98 20:00	0.0	1687	1701
07-03-98 21:00	0.0	1699	1612
07-03-98 22:00	0.0	1463	1453
07-03-98 23:00	0.0	1080	1039
07-04-98 00:00	0.0	731	733
07-04-98 01:00	0.0	645	646
07-04-98 02:00	0.0	574	569
07-04-98 03:00	0.0	535	529
07-04-98 04:00	0.0	413	440
07-04-98 05:00	0.0	369	397
07-04-98 06:00	0.0	349	357
07-04-98 07:00	0.0	368	374
07-04-98 08:00	0.0	360	367
07-04-98 09:00	0.0	350	357
07-04-98 10:00	0.0	340	347
07-04-98 11:00	0.0	331	339
07-04-98 12:00	0.0	324	332
07-04-98 13:00	0.0	316	325
07-04-98 14:00	0.0	309	319
07-04-98 15:00	0.0	302	312
07-04-98 16:00	0.0	295	306
07-04-98 17:00	0.0	289	300

BOILER DOWN

Koppers Industries
Tie Plant Road
Daily Summary

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FROM 07/01/98 00:00 TO 07/31/98 23:59

Date/ Time	Opacity %	Cell 1	Cell 2
		F	F
17-04-98 18:00	0.0	282	294
17-04-98 19:00	0.0	277	289
17-04-98 20:00	0.0	272	284
17-04-98 21:00	0.0	266	279
17-04-98 22:00	0.0	262	275
17-04-98 23:00	0.0	258	271
17-05-98 00:00	0.0	254	268
17-05-98 01:00	0.0	250	265
17-05-98 02:00	0.0	247	262
17-05-98 03:00	0.0	243	259
17-05-98 04:00	0.0	240	257
17-05-98 05:00	0.0	238	255
17-05-98 06:00	0.0	237	256
17-05-98 07:00	0.0	237	255
17-05-98 08:00	0.0	236	254
17-05-98 09:00	0.0	234	253
17-05-98 10:00	0.0	233	252
17-05-98 11:00	0.0	232	251
17-05-98 12:00	0.0	230	250
17-05-98 13:00	0.0	229	249
17-05-98 14:00	0.0	224	246
17-05-98 15:00	0.0	221	242
17-05-98 16:00	0.0	220	241
17-05-98 17:00	0.0	219	239
17-05-98 18:00	0.0	217	238
17-05-98 19:00	0.0	216	237
17-05-98 20:00	0.0	214	235
17-05-98 21:00	0.0	212	234
17-05-98 22:00	0.0	211	232
17-05-98 23:00	0.0	209	231
17-06-98 00:00	0.0	208	230
17-06-98 01:00	0.0	206	229
17-06-98 02:00	0.0	205	228
17-06-98 03:00	0.0	202	227
17-06-98 04:00	0.0	201	226
17-06-98 05:00	0.0	203	227
17-06-98 06:00	0.0	205	230
17-06-98 07:00	0.0	206	230
17-06-98 08:00	0.0	203	227
17-06-98 09:00	0.0	202	226
17-06-98 10:00	0.0	206	229
17-06-98 11:00	0.0	206	229
17-06-98 12:00	0.0	205	229
17-06-98 13:00	0.0	205	229
17-06-98 14:00	0.0	204	229

Boiler Down

Koppers Industries
Tie Plant Road
Daily Summary

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FROM 07/01/98 00:00 TO 07/31/98 23:59

Date/ Time	Opacity %	Cell 1 F	Cell 2 F
17-06-98 15:00	0.0	204	228
17-06-98 16:00	0.0	203	227
17-06-98 17:00	0.0	202	227
17-06-98 18:00	0.0	202	226
17-06-98 19:00	0.0	201	225
17-06-98 20:00	0.0	200	225
17-06-98 21:00	0.0	200	224
17-06-98 22:00	0.0	199	223
17-06-98 23:00	0.0	198	223
17-07-98 00:00	0.0	197	222
17-07-98 01:00	0.0	197	221
17-07-98 02:00	0.0	196	221
17-07-98 03:00	0.0	563	564
17-07-98 04:00	0.0	699	650
17-07-98 05:00	0.0	689	710
17-07-98 06:00	0.0	986	995
17-07-98 07:00	0.0	1163	1064
17-07-98 08:00	0.0	1378	1286
17-07-98 09:00	0.0	1281	1232
17-07-98 10:00	0.0	1221	1228
17-07-98 11:00	0.0	1309	1340
17-07-98 12:00	0.0	1203	1149
17-07-98 13:00	0.0	1152	1119
17-07-98 14:00	0.0	1036	987
17-07-98 15:00	0.0	1036	1033
17-07-98 16:00	0.0	1118	1105
17-07-98 17:00	0.0	981	1119
17-07-98 18:00	0.0	819	833
17-07-98 19:00	0.0	1038	1100
17-07-98 20:00	0.0	1060	1056
17-07-98 21:00	0.0	1179	1241
17-07-98 22:00	0.0	1152	1191
17-07-98 23:00	0.0	1060	1122
17-08-98 00:00	0.0	865	879
17-08-98 01:00	0.0	1125	1137
17-08-98 02:00	0.0	1226	1171
17-08-98 03:00	0.0	1102	1051
17-08-98 04:00	0.0	1168	1090
17-08-98 05:00	0.0	1312	1236
17-08-98 06:00	0.0	1365	1295
17-08-98 07:00	0.0	1181	1194
17-08-98 08:00	0.0	1055	1108
17-08-98 09:00	0.0	1129	1055
17-08-98 10:00	0.0	1263	1224
17-08-98 11:00	0.0	1062	1133

Boiler Down

Koppers Industries
Tie Plant Road
Daily Summary

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FROM 07/01/98 00:00 TO 07/31/98 23:59

Date/ Time	Opacity %	Cell 1 F	Cell 2 F
7-08-98 12:00	0.0	1092	1037
7-08-98 13:00	0.0	603	605
7-08-98 14:00	0.0	797	830
7-08-98 15:00	0.0	1275	1290
7-08-98 16:00	0.0	1176	1090
7-08-98 17:00	0.0	1177	1135
7-08-98 18:00	0.0	1228	1136
7-08-98 19:00	0.0	1217	1156
7-08-98 20:00	0.0	1063	1057
7-08-98 21:00	0.0	1017	1013
7-08-98 22:00	0.0	920	888
7-08-98 23:00	0.0	1300	1225
7-09-98 00:00	0.0	1291	1208
7-09-98 01:00	0.0	1119	1097
7-09-98 02:00	0.0	1308	1259
7-09-98 03:00	0.0	1242	1227
7-09-98 04:00	0.0	1218	1128
7-09-98 05:00	0.0	1084	1032
7-09-98 06:00	0.0	1077	1060
7-09-98 07:00	0.0	1234	1152
7-09-98 08:00	0.0	1134	1047
7-09-98 09:00	0.0	1011	989
7-09-98 10:00	0.0	1054	1031
7-09-98 11:00	0.0	994	948
7-09-98 12:00	0.0	1171	1174
7-09-98 13:00	0.0	1094	1151
7-09-98 14:00	0.0	1019	964
7-09-98 15:00	0.0	1033	938
7-09-98 16:00	0.0	1040	1039
7-09-98 17:00	0.0	645	629
7-09-98 18:00	0.0	766	761
7-09-98 19:00	0.0	901	959
7-09-98 20:00	0.0	1179	1223
7-09-98 21:00	0.0	914	712
7-09-98 22:00	0.0	1159	1125
7-09-98 23:00	0.0	1239	1228
7-10-98 00:00	0.0	1246	1243
7-10-98 01:00	0.0	1108	725
7-10-98 02:00	0.0	1042	631
7-10-98 03:00	0.0	1139	1110
7-10-98 04:00	0.0	1254	1216
7-10-98 05:00	0.0	1132	1213
7-10-98 06:00	0.0	1101	1156
7-10-98 07:00	0.0	1155	1055
7-10-98 08:00	0.0	1216	1194

NO TREATCH WOOD BURNED

Koppers Industries
Tie Plant Road
Daily Summary

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FROM 07/01/98 00:00 TO 07/31/98 23:59

Date/ Time	Opacity %	Cell 1	Cell 2
		F	F
7-10-98 09:00	0.0	1222	1200
7-10-98 10:00	0.0	1038	1138
7-10-98 11:00	0.0	978	995
7-10-98 12:00	0.0	1207	1083
7-10-98 13:00	0.0	1004	1084
7-10-98 14:00	0.0	1011	1107
7-10-98 15:00	0.0	996	902
7-10-98 16:00	0.0	1222	1106
7-10-98 17:00	0.0	530	529
7-10-98 18:00	0.0	351	370
7-10-98 19:00	0.0	1124	1082
7-10-98 20:00	0.0	1286	1192
7-10-98 21:00	0.0	1160	1059
7-10-98 22:00	0.0	1118	942
7-10-98 23:00	0.0	1012	926
7-11-98 00:00	0.0	1221	1130
7-11-98 01:00	0.0	963	810
7-11-98 02:00	0.0	992	754
7-11-98 03:00	0.0	950	675
7-11-98 04:00	0.0	1143	975
7-11-98 05:00	0.0	1198	1003
7-11-98 06:00	0.0	1034	892
7-11-98 07:00	0.0	1157	1052
7-11-98 08:00	0.0	955	912
7-11-98 09:00	0.0	960	834
7-11-98 10:00	0.0	1065	998
7-11-98 11:00	0.0	1170	1035
7-11-98 12:00	0.0	1280	1104
7-11-98 13:00	0.0	1136	1048
7-11-98 14:00	0.0	1170	906
7-11-98 15:00	0.0	1067	859
7-11-98 16:00	0.0	1196	1016
7-11-98 17:00	0.0	1062	915
7-11-98 18:00	0.0	1055	927
7-11-98 19:00	0.0	1423	1195
7-11-98 20:00	0.0	772	805
7-11-98 21:00	0.0	1028	1093
7-11-98 22:00	0.0	1086	1038
7-11-98 23:00	0.0	1096	1047
7-12-98 00:00	0.0	1084	1090
7-12-98 01:00	0.0	1174	1138
7-12-98 02:00	0.0	1064	959
7-12-98 03:00	0.0	966	906
7-12-98 04:00	0.0	1052	1031
7-12-98 05:00	0.0	542	558

NO TREATED WOOD

Koppers Industries
Tie Plant Road
Daily Summary

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FROM 07/01/98 00:00 TO 07/31/98 23:59

Date/ Time	Opacity %	Cell 1 F	Cell 2 F
07-12-98 06:00	0.0	488	484
07-12-98 07:00	0.0	464	458
07-12-98 08:00	0.0	438	435
07-12-98 09:00	0.0	420	418
07-12-98 10:00	0.0	402	401
07-12-98 11:00	0.0	388	388
07-12-98 12:00	0.0	376	377
07-12-98 13:00	0.0	365	367
07-12-98 14:00	0.0	354	357
07-12-98 15:00	0.0	345	348
07-12-98 16:00	0.0	337	341
07-12-98 17:00	0.0	328	333
07-12-98 18:00	0.0	321	326
07-12-98 19:00	0.0	314	320
07-12-98 20:00	0.0	307	314
07-12-98 21:00	0.0	301	308
07-12-98 22:00	0.0	295	303
07-12-98 23:00	0.0	289	298
07-13-98 00:00	0.0	284	294
07-13-98 01:00	0.0	279	289
07-13-98 02:00	0.0	274	285
07-13-98 03:00	0.0	321	379
07-13-98 04:00	0.0	902	885
07-13-98 05:00	0.0	959	1002
07-13-98 06:00	0.0	1104	1123
07-13-98 07:00	0.0	1090	1096
07-13-98 08:00	0.0	1097	1073
07-13-98 09:00	0.0	1086	1067
07-13-98 10:00	0.0	945	939
07-13-98 11:00	0.0	1063	1090
07-13-98 12:00	0.0	1220	1194
07-13-98 13:00	0.0	1130	1192
07-13-98 14:00	0.0	1153	1155
07-13-98 15:00	0.0	1025	947
07-13-98 16:00	0.0	673	554
07-13-98 17:00	0.0	628	597
07-13-98 18:00	0.0	668	533
07-13-98 19:00	0.0	799	731
07-13-98 20:00	0.0	1262	1150
07-13-98 21:00	0.0	1157	996
07-13-98 22:00	0.0	1228	1025
07-13-98 23:00	0.0	1199	1062
07-14-98 00:00	0.0	1370	1294
07-14-98 01:00	0.0	1373	1300
07-14-98 02:00	0.0	1350	1232

Boxer Down

*UNTREATED
WOOD*

Koppers Industries
Tie Plant Road
Daily Summary

Page 8

FROM 07/01/98 00:00 TO 07/31/98 23:59

Date/ Time	Opacity %	Cell 1 F	Cell 2 F
07-14-98 03:00	0.0	1015	1035
07-14-98 04:00	0.0	1192	1116
07-14-98 05:00	0.0	1220	1099
07-14-98 06:00	0.0	1290	1292
07-14-98 07:00	0.0	1146	1229
07-14-98 08:00	0.0	1116	1113
07-14-98 09:00	0.0	1102	1067
07-14-98 10:00	0.0	1269	1216
07-14-98 11:00	0.0	1451	1415
07-14-98 12:00	0.0	1565	1565
07-14-98 13:00	0.0	987	957
07-14-98 14:00	0.0	724	737
07-14-98 15:00	0.0	1456	1563
07-14-98 16:00	0.0	1620	1582
07-14-98 17:00	0.0	1493	1429
07-14-98 18:00	0.0	1463	1520
07-14-98 19:00	0.0	1565	1510
07-14-98 20:00	0.0	1540	1632
07-14-98 21:00	0.0	1189	1400
07-14-98 22:00	0.0	1474	1446
07-14-98 23:00	0.0	1461	1277
07-15-98 00:00	0.0	1511	1489
07-15-98 01:00	0.0	1478	1459
07-15-98 02:00	0.0	1349	1290
07-15-98 03:00	0.0	1396	1411
07-15-98 04:00	0.0	1264	1342
07-15-98 05:00	0.0	1373	1342
07-15-98 06:00	0.0	1554	1515
07-15-98 07:00	0.0	1630	1496
07-15-98 08:00	0.0	1329	1440
07-15-98 09:00	0.0	1391	1395
07-15-98 10:00	0.0	1408	1364
07-15-98 11:00	0.0	1409	1524
07-15-98 12:00	0.0	1392	1498
07-15-98 13:00	0.0	1461	1466
07-15-98 14:00	0.0	1462	1445
07-15-98 15:00	0.0	1477	1306
07-15-98 16:00	0.0	1142	1336
07-15-98 17:00	0.0	1359	964
07-15-98 18:00	0.0	1310	1277
07-15-98 19:00	0.0	1511	1524
07-15-98 20:00	0.0	1612	1578
07-15-98 21:00	0.0	1444	1501
07-15-98 22:00	0.0	1269	1197
07-15-98 23:00	0.0	1533	1432

Previous ASA

Koppers Industries
Tie Plant Road
Daily Summary

Page 9

FROM 07/01/98 00:00 TO 07/31/98 23:59

Date/ Time	Opacity %	Cell 1 F	Cell 2 F
07-16-98 00:00	0.0	1371	1533
07-16-98 01:00	0.0	1445	1434
07-16-98 02:00	0.0	1332	1364
07-16-98 03:00	0.0	1366	1264
07-16-98 04:00	0.0	1447	1481
07-16-98 05:00	0.0	1286	1136
07-16-98 06:00	0.0	1242	1127
07-16-98 07:00	0.0	1460	1495
07-16-98 08:00	0.0	1445	1444
07-16-98 09:00	0.0	1454	1429
07-16-98 10:00	0.0	1278	1208
07-16-98 11:00	0.0	1398	1247
07-16-98 12:00	0.0	885	908
07-16-98 13:00	0.0	1256	1323
07-16-98 14:00	0.0	1468	1443
07-16-98 15:00	0.0	1481	1216
07-16-98 16:00	0.0	1366	1360
07-16-98 17:00	0.0	1156	1097
07-16-98 18:00	0.0	1214	1118
07-16-98 19:00	0.0	1284	1287
07-16-98 20:00	0.0	1546	1441
07-16-98 21:00	0.0	1363	1242
07-16-98 22:00	0.0	1331	1271
07-16-98 23:00	0.0	1135	1007
07-17-98 00:00	0.0	1299	1353
07-17-98 01:00	0.0	1465	1369
07-17-98 02:00	0.0	1465	1176
07-17-98 03:00	0.0	1350	1445
07-17-98 04:00	0.0	1477	1374
07-17-98 05:00	0.0	1550	1443
07-17-98 06:00	0.0	1673	1637
07-17-98 07:00	0.0	1636	1648
07-17-98 08:00	0.0	1739	1684
07-17-98 09:00	0.0	1686	1616
07-17-98 10:00	0.0	1630	1712
07-17-98 11:00	0.0	1554	1376
07-17-98 12:00	0.0	1841	1475
07-17-98 13:00	0.0	1762	1599
07-17-98 14:00	0.0	1680	1429
07-17-98 15:00	0.0	1777	1762
07-17-98 16:00	0.0	1777	1568
07-17-98 17:00	0.0	1744	1561
07-17-98 18:00	0.0	1546	1502
07-17-98 19:00	0.0	1147	1327
07-17-98 20:00	0.0	1481	1183

PULLING ASH

Koppers Industries
Tie Plant Road
Daily Summary

Page 10

FROM 07/01/98 00:00 TO 07/31/98 23:59

Date/ Time	Opacity %	Cell 1 F	Cell 2 F
07-17-98 21:00	0.0	1639	1421
07-17-98 22:00	0.0	1534	1161
07-17-98 23:00	0.0	1633	1408
07-18-98 00:00	0.0	1624	1416
07-18-98 01:00	0.0	1575	1366
07-18-98 02:00	0.0	1482	1410
07-18-98 03:00	0.0	1333	1228
07-18-98 04:00	0.0	1486	1461
07-18-98 05:00	0.0	1486	1480
07-18-98 06:00	0.0	1469	1495
07-18-98 07:00	0.0	1506	1392
07-18-98 08:00	0.0	1578	1315
07-18-98 09:00	0.0	1354	1256
07-18-98 10:00	0.0	1405	1424
07-18-98 11:00	0.0	1141	1221
07-18-98 12:00	0.0	679	715
07-18-98 13:00	0.0	1145	1128
07-18-98 14:00	0.0	1307	1267
07-18-98 15:00	0.0	1365	1130
07-18-98 16:00	0.0	1326	1367
07-18-98 17:00	0.0	1397	1290
07-18-98 18:00	0.0	1558	1292
07-18-98 19:00	0.0	1292	1430
07-18-98 20:00	0.0	1499	1517
07-18-98 21:00	0.0	1358	1371
07-18-98 22:00	0.0	1342	1275
07-18-98 23:00	0.0	1377	1297
07-19-98 00:00	0.0	1180	995
07-19-98 01:00	0.0	984	767
07-19-98 02:00	0.0	1217	1033
07-19-98 03:00	0.0	1215	795
07-19-98 04:00	0.0	888	695
07-19-98 05:00	0.0	487	468
07-19-98 06:00	0.0	489	467
07-19-98 07:00	0.0	462	445
07-19-98 08:00	0.0	441	427
07-19-98 09:00	0.0	424	413
07-19-98 10:00	0.0	410	401
07-19-98 11:00	0.0	397	390
07-19-98 12:00	0.0	385	380
07-19-98 13:00	0.0	374	370
07-19-98 14:00	0.0	364	362
07-19-98 15:00	0.0	355	354
07-19-98 16:00	0.0	346	347
07-19-98 17:00	0.0	337	339

PULL ASH

BOILER OFF

Koppers Industries
Tie Plant Road
Daily Summary

Page 11

FROM 07/01/98 00:00 TO 07/31/98 23:59

Date/ Time	Opacity %	Cell 1 F	Cell 2 F
07-19-98 18:00	0.0	328	330
07-19-98 19:00	0.0	320	324
07-19-98 20:00	0.0	313	317
07-19-98 21:00	0.0	306	311
07-19-98 22:00	0.0	300	306
07-19-98 23:00	0.0	294	301
07-20-98 00:00	0.0	288	296
07-20-98 01:00	0.0	284	292
07-20-98 02:00	0.0	279	289
07-20-98 03:00	0.0	406	423
07-20-98 04:00	0.0	760	781
07-20-98 05:00	0.0	941	1086
07-20-98 06:00	0.0	977	1278
07-20-98 07:00	0.0	947	1266
07-20-98 08:00	0.0	981	1362
07-20-98 09:00	0.0	1311	1428
07-20-98 10:00	0.0	1373	1381
07-20-98 11:00	0.0	1289	1348
07-20-98 12:00	0.0	1277	1262
07-20-98 13:00	0.0	1393	1157
07-20-98 14:00	0.0	1246	1050
07-20-98 15:00	0.0	1194	949
07-20-98 16:00	0.0	1316	935
07-20-98 17:00	0.0	1541	1194
07-20-98 18:00	0.0	1204	986
07-20-98 19:00	0.0	1228	906
07-20-98 20:00	0.0	1328	1287
07-20-98 21:00	0.0	1255	1242
07-20-98 22:00	0.0	1141	1181
07-20-98 23:00	0.0	1239	1116
07-21-98 00:00	0.0	749	635
07-21-98 01:00	0.0	765	684
07-21-98 02:00	0.0	718	553
07-21-98 03:00	0.0	768	804
07-21-98 04:00	0.0	518	538
07-21-98 05:00	0.0	392	424
07-21-98 06:00	0.0	641	567
07-21-98 07:00	0.0	478	518
07-21-98 08:00	0.0	395	366
07-21-98 09:00	0.0	401	485
07-21-98 10:00	0.0	448	631
07-21-98 11:00	0.0	490	749
07-21-98 12:00	0.0	528	873
07-21-98 13:00	0.0	674	809
07-21-98 14:00	0.0	1495	1374

Boiler OFF

START UP WITH UNTREATED WOOD

Boiler OFF

Koppers Industries
Tie Plant Road
Daily Summary

Page 12

FROM 07/01/98 00:00 TO 07/31/98 23:59

Date/ Time	Opacity %	Cell 1 F	Cell 2 F
07-21-98 15:00	0.0	1595	1531
07-21-98 16:00	0.0	1126	1390
07-21-98 17:00	0.0	835	1333
07-21-98 18:00	0.0	582	994
07-21-98 19:00	0.0	595	1029
07-21-98 20:00	0.0	723	1049
07-21-98 21:00	0.0	1086	1274
07-21-98 22:00	0.0	1225	1484
07-21-98 23:00	0.0	1213	1225
07-22-98 00:00	0.0	1244	1482
07-22-98 01:00	0.0	1251	1554
07-22-98 02:00	0.0	1106	1310
07-22-98 03:00	0.0	1099	1082
07-22-98 04:00	0.0	952	1219
07-22-98 05:00	0.0	1047	1321
07-22-98 06:00	0.0	1631	1656
07-22-98 07:00	0.0	1454	1520
07-22-98 08:00	0.0	1522	1676
07-22-98 09:00	0.0	1639	1665
07-22-98 10:00	0.0	1643	1651
07-22-98 11:00	0.0	1379	1492
07-22-98 12:00	0.0	1561	1510
07-22-98 13:00	0.0	1582	1698
07-22-98 14:00	0.0	1632	1775
07-22-98 15:00	0.0	1616	1690
07-22-98 16:00	0.0	1689	1715
07-22-98 17:00	0.0	1521	1346
07-22-98 18:00	0.0	920	854
07-22-98 19:00	0.0	648	643
07-22-98 20:00	0.0	580	581
07-22-98 21:00	0.0	537	539
07-22-98 22:00	0.0	503	506
07-22-98 23:00	0.0	476	480
07-23-98 00:00	0.0	881	889
07-23-98 01:00	0.0	1613	1483
07-23-98 02:00	0.0	1032	691
07-23-98 03:00	0.0	1212	1320
07-23-98 04:00	0.0	1450	1175
07-23-98 05:00	0.0	1234	1196
07-23-98 06:00	0.0	1538	1473
07-23-98 07:00	0.0	1670	1499
07-23-98 08:00	0.0	1603	1507
07-23-98 09:00	0.0	1590	1543
07-23-98 10:00	0.0	1684	1815
07-23-98 11:00	0.0	1447	1381

BOILER OFF

NO TREATED WOOD BURNED

Koppers Industries
Tie Plant Road
Daily Summary

Page 13

FROM 07/01/98 00:00 TO 07/31/98 23:59

Date/ Time	Opacity %	Cell 1	Cell 2
		F	F
07-23-98 12:00	0.0	1373	1399
07-23-98 13:00	0.0	1515	1587
07-23-98 14:00	0.0	1626	1670
07-23-98 15:00	0.0	1452	1411
07-23-98 16:00	0.0	1552	1413
07-23-98 17:00	0.0	1365	1306
07-23-98 18:00	0.0	1363	1160
07-23-98 19:00	0.0	1174	1109
07-23-98 20:00	0.0	1600	1635
07-23-98 21:00	0.0	1826	1651
07-23-98 22:00	0.0	1835	1320
07-23-98 23:00	0.0	1888	1529
07-24-98 00:00	0.0	1814	1527
07-24-98 01:00	0.0	1576	1376
07-24-98 02:00	0.0	1767	1617
07-24-98 03:00	0.0	1303	1049
07-24-98 04:00	0.0	1683	1450
07-24-98 05:00	0.0	1728	1556
07-24-98 06:00	0.0	1664	1657
07-24-98 07:00	0.0	1637	1725
07-24-98 08:00	0.0	1638	1625
07-24-98 09:00	0.0	1652	1687
07-24-98 10:00	0.0	1422	1382
07-24-98 11:00	0.0	1340	1202
07-24-98 12:00	0.0	1656	1379
07-24-98 13:00	0.0	1693	1623
07-24-98 14:00	0.0	1797	1740
07-24-98 15:00	0.0	1710	1632
07-24-98 16:00	0.0	1687	1643
07-24-98 17:00	0.0	1791	1738
07-24-98 18:00	0.0	1667	1639
07-24-98 19:00	0.0	1301	1228
07-24-98 20:00	0.0	1461	1319
07-24-98 21:00	0.0	1724	1756
07-24-98 22:00	0.0	1627	1476
07-24-98 23:00	0.0	1779	1641
07-25-98 00:00	0.0	1770	1512
07-25-98 01:00	0.0	1725	1541
07-25-98 02:00	0.0	1387	927
07-25-98 03:00	0.0	1040	645
07-25-98 04:00	0.0	1294	1083
07-25-98 05:00	0.0	1452	1376
07-25-98 06:00	0.0	1602	1560
07-25-98 07:00	0.0	1611	1679
07-25-98 08:00	0.0	1725	1592

NO TREATED WOOD BURNED

Koppers Industries
Tie Plant Road
Daily Summary

Page 14

FROM 07/01/98 00:00 TO 07/31/98 23:59

Date/ Time	Opacity	Cell 1	Cell 2
	%	F	F
7-25-98 09:00	0.0	1634	1582
7-25-98 10:00	0.0	1750	1709
7-25-98 11:00	0.0	1575	1550
7-25-98 12:00	0.0	1609	1528
7-25-98 13:00	0.0	1698	1674
7-25-98 14:00	0.0	1592	1627
7-25-98 15:00	0.0	1712	1680
7-25-98 16:00	0.0	1701	1748
7-25-98 17:00	0.0	1503	1638
7-25-98 18:00	0.0	1410	1322
7-25-98 19:00	0.0	1621	1598
7-25-98 20:00	0.0	1530	1429
7-25-98 21:00	0.0	1612	1658
7-25-98 22:00	0.0	1684	1638
7-25-98 23:00	0.0	1439	1332
7-26-98 00:00	0.0	1679	1666
7-26-98 01:00	0.0	1538	1593
7-26-98 02:00	0.0	1698	1640
7-26-98 03:00	0.0	1476	1342
7-26-98 04:00	0.0	1131	1088
7-26-98 05:00	0.0	862	742
7-26-98 06:00	0.0	587	573
7-26-98 07:00	0.0	549	535
7-26-98 08:00	0.0	516	504
7-26-98 09:00	0.0	491	479
7-26-98 10:00	0.0	471	460
7-26-98 11:00	0.0	453	444
7-26-98 12:00	0.0	438	430
7-26-98 13:00	0.0	423	416
7-26-98 14:00	0.0	410	405
7-26-98 15:00	0.0	398	393
7-26-98 16:00	0.0	386	383
7-26-98 17:00	0.0	375	373
7-26-98 18:00	0.0	365	364
7-26-98 19:00	0.0	355	355
7-26-98 20:00	0.0	346	347
7-26-98 21:00	0.0	338	339
7-26-98 22:00	0.0	330	332
7-26-98 23:00	0.0	323	326
7-27-98 00:00	0.0	316	320
7-27-98 01:00	0.0	310	315
7-27-98 02:00	0.0	304	309
7-27-98 03:00	0.0	298	305
7-27-98 04:00	0.0	294	301
7-27-98 05:00	0.0	290	298

BOILER DOWN

Koppers Industries
Tie Plant Road
Daily Summary

Page 15

FROM 07/01/98 00:00 TO 07/31/98 23:59

Date/ Time	Opacity %	Cell 1 F	Cell 2 F
07-27-98 06:00	0.0	290	299
07-27-98 07:00	0.0	1032	982
07-27-98 08:00	0.0	1115	1001
07-27-98 09:00	0.0	963	1046
07-27-98 10:00	0.0	803	1064
07-27-98 11:00	0.0	927	1300
07-27-98 12:00	0.0	1101	1022
07-27-98 13:00	0.0	1163	1132
07-27-98 14:00	0.0	1187	1083
07-27-98 15:00	0.0	1016	982
07-27-98 16:00	0.0	1013	1022
07-27-98 17:00	0.0	1176	1108
07-27-98 18:00	0.0	955	1123
07-27-98 19:00	0.0	1177	1137
07-27-98 20:00	0.0	902	1110
07-27-98 21:00	0.0	821	1066
07-27-98 22:00	0.0	848	1041
07-27-98 23:00	0.0	742	899
07-28-98 00:00	0.0	783	936
07-28-98 01:00	0.0	781	1004
07-28-98 02:00	0.0	727	922
07-28-98 03:00	0.0	639	832
07-28-98 04:00	0.0	759	787
07-28-98 05:00	0.0	720	835
07-28-98 06:00	735.2	792	883
07-28-98 07:00	1929.6	954	926
07-28-98 08:00	2066.8	975	932
07-28-98 09:00	59.1	866	840
07-28-98 10:00	100.0	974	1051
07-28-98 11:00	812.6	962	1012
07-28-98 12:00	731.3	1177	973
07-28-98 13:00	1709.5	1041	963
07-28-98 14:00	2830.7	1141	1097
07-28-98 15:00	2072.1	1174	1077
07-28-98 16:00	828.9	1040	919
07-28-98 17:00	51.8	1147	1135
07-28-98 18:00	0.0	1271	1078
07-28-98 19:00	0.0	1117	1046
07-28-98 20:00	0.0	1049	938
07-28-98 21:00	0.0	1165	1215
07-28-98 22:00	0.0	1108	1066
07-28-98 23:00	0.0	1202	1177
07-29-98 00:00	259.0	1044	944
07-29-98 01:00	0.0	1108	1118
07-29-98 02:00	0.0	1110	1180

UNTREATED WOOD

Koppers Industries
Tie Plant Road
Daily Summary

Page 16

FROM 07/01/98 00:00 TO 07/31/98 23:59

Date/ Time	Opacity %	Cell 1 F	Cell 2 F
07-29-98 03:00	0.0	1115	1195
07-29-98 04:00	103.6	1011	928
07-29-98 05:00	0.0	1168	1122
07-29-98 06:00	0.0	1090	1216
07-29-98 07:00	0.0	1084	1198
07-29-98 08:00	0.0	1252	1164
07-29-98 09:00	2434.8	1240	1072
07-29-98 10:00	3108.2	1260	1225
07-29-98 11:00	2383.0	1108	1087
07-29-98 12:00	1761.3	811	739
07-29-98 13:00	0.0	1082	1047
07-29-98 14:00	0.0	1383	1360
07-29-98 15:00	0.0	1642	1596
07-29-98 16:00	0.0	1549	1684
07-29-98 17:00	0.0	1647	1665
07-29-98 18:00	0.0	1311	1170
07-29-98 19:00	0.0	1316	1212
07-29-98 20:00	0.0	1369	1329
07-29-98 21:00	0.0	1358	1498
07-29-98 22:00	0.0	1566	1630
07-29-98 23:00	0.0	1755	1595
07-30-98 00:00	0.0	1686	1658
07-30-98 01:00	0.0	1603	1571
07-30-98 02:00	0.0	1772	1659
07-30-98 03:00	0.0	1198	1339
07-30-98 04:00	0.0	1481	1454
07-30-98 05:00	0.0	1086	1184
07-30-98 06:00	0.0	1560	1641
07-30-98 07:00	0.0	1636	1577
07-30-98 08:00	0.0	1621	1641
07-30-98 09:00	0.0	1647	1611
07-30-98 10:00	0.0	1590	1678
07-30-98 11:00	0.0	1355	1434
07-30-98 12:00	0.0	1586	1646
07-30-98 13:00	0.0	1748	1742
07-30-98 14:00	0.0	1736	1753
07-30-98 15:00	0.0	1534	1754
07-30-98 16:00	0.0	1646	1647
07-30-98 17:00	0.0	1296	1242
07-30-98 18:00	0.0	1301	1327
07-30-98 19:00	0.0	1362	1198
07-30-98 20:00	0.0	1200	1264
07-30-98 21:00	0.0	1205	1270
07-30-98 22:00	0.0	1525	1684
07-30-98 23:00	0.0	1432	1409

Koppers Industries
Tie Plant Road
Daily Summary

Page 17

FROM 07/01/98 00:00 TO 07/31/98 23:59

Date/ Time	Opacity	Cell 1	Cell 2
	%	F	F
07-31-98 00:00	0.0	1673	1536
07-31-98 01:00	0.0	1236	1379
07-31-98 02:00	0.0	1158	1061
07-31-98 03:00	0.0	1229	926
07-31-98 04:00	0.0	1156	856
07-31-98 05:00	0.0	1171	1253
07-31-98 06:00	0.0	1195	1246
07-31-98 07:00	0.0	996	1143
07-31-98 08:00	0.0	1139	1077
07-31-98 09:00	0.0	1138	1158
07-31-98 10:00	0.0	1158	1179
07-31-98 11:00	0.0	1120	1019
07-31-98 12:00	0.0	1159	1072
07-31-98 13:00	0.0	1068	1022
07-31-98 14:00	0.0	1010	1114
07-31-98 15:00	0.0	1027	1062
07-31-98 16:00	0.0	949	1032
07-31-98 17:00	0.0	1075	815
07-31-98 18:00	0.0	1072	838
07-31-98 19:00	0.0	941	935
07-31-98 20:00	0.0	981	896
07-31-98 21:00	0.0	859	964
07-31-98 22:00	0.0	918	976
07-31-98 23:00	0.0	974	1041

No TREATED WOOD

TREATED WOOD

1332

Time	Lat	Long	Alt	Temp	Wind	Clouds	Remarks
0000	10 10	10 10	1000	10.0	10.0	10.0	
0005	10 10	10 10	1000	10.0	10.0	10.0	
0010	10 10	10 10	1000	10.0	10.0	10.0	
0015	10 10	10 10	1000	10.0	10.0	10.0	
0020	10 10	10 10	1000	10.0	10.0	10.0	
0025	10 10	10 10	1000	10.0	10.0	10.0	
0030	10 10	10 10	1000	10.0	10.0	10.0	
0035	10 10	10 10	1000	10.0	10.0	10.0	
0040	10 10	10 10	1000	10.0	10.0	10.0	
0045	10 10	10 10	1000	10.0	10.0	10.0	
0050	10 10	10 10	1000	10.0	10.0	10.0	
0055	10 10	10 10	1000	10.0	10.0	10.0	
0100	10 10	10 10	1000	10.0	10.0	10.0	
0105	10 10	10 10	1000	10.0	10.0	10.0	
0110	10 10	10 10	1000	10.0	10.0	10.0	
0115	10 10	10 10	1000	10.0	10.0	10.0	
0120	10 10	10 10	1000	10.0	10.0	10.0	
0125	10 10	10 10	1000	10.0	10.0	10.0	
0130	10 10	10 10	1000	10.0	10.0	10.0	
0135	10 10	10 10	1000	10.0	10.0	10.0	
0140	10 10	10 10	1000	10.0	10.0	10.0	
0145	10 10	10 10	1000	10.0	10.0	10.0	
0150	10 10	10 10	1000	10.0	10.0	10.0	
0155	10 10	10 10	1000	10.0	10.0	10.0	
0200	10 10	10 10	1000	10.0	10.0	10.0	
0205	10 10	10 10	1000	10.0	10.0	10.0	
0210	10 10	10 10	1000	10.0	10.0	10.0	
0215	10 10	10 10	1000	10.0	10.0	10.0	
0220	10 10	10 10	1000	10.0	10.0	10.0	
0225	10 10	10 10	1000	10.0	10.0	10.0	
0230	10 10	10 10	1000	10.0	10.0	10.0	
0235	10 10	10 10	1000	10.0	10.0	10.0	
0240	10 10	10 10	1000	10.0	10.0	10.0	
0245	10 10	10 10	1000	10.0	10.0	10.0	
0250	10 10	10 10	1000	10.0	10.0	10.0	
0255	10 10	10 10	1000	10.0	10.0	10.0	
0300	10 10	10 10	1000	10.0	10.0	10.0	
0305	10 10	10 10	1000	10.0	10.0	10.0	
0310	10 10	10 10	1000	10.0	10.0	10.0	
0315	10 10	10 10	1000	10.0	10.0	10.0	
0320	10 10	10 10	1000	10.0	10.0	10.0	
0325	10 10	10 10	1000	10.0	10.0	10.0	
0330	10 10	10 10	1000	10.0	10.0	10.0	
0335	10 10	10 10	1000	10.0	10.0	10.0	
0340	10 10	10 10	1000	10.0	10.0	10.0	
0345	10 10	10 10	1000	10.0	10.0	10.0	
0350	10 10	10 10	1000	10.0	10.0	10.0	
0355	10 10	10 10	1000	10.0	10.0	10.0	
0400	10 10	10 10	1000	10.0	10.0	10.0	
0405	10 10	10 10	1000	10.0	10.0	10.0	
0410	10 10	10 10	1000	10.0	10.0	10.0	
0415	10 10	10 10	1000	10.0	10.0	10.0	
0420	10 10	10 10	1000	10.0	10.0	10.0	
0425	10 10	10 10	1000	10.0	10.0	10.0	
0430	10 10						

PAUL ASM
REPAIR SWEEP AUGER IN SILO

UNTREATED WOOD

FUEL FEED RATES
Reporting Point
AA-001
(treated and untreated wood)

January 1998	5585.6 lbs./hr
February 1998	6475.9 lbs./hr
March 1998	6159.9 lbs./hr
April 1998	5892.5 lbs./hr
May 1998	5183.5 lbs./hr
June 1998	4364.44 lbs./hr

EXCESS EMISSIONS REPORT

PRINTED: 24-Jul-98

Koppers Industries

Tie Plant Road

Opacity in %

BEGINNING Apr. 1, 1998 AND ENDING Jun. 30, 1998

SOURCE: CEMS COMPLIANCE LIMIT: 40.00

Excess Began		Excess Ended		Duration		Reason for Excess Emissions	Corrective Action Taken
Date	Time	Date	Time	Hours	Magnitude		
04/13	10:16	04/13	10:16	0:01	2.8	3. Startup	
05/05	03:50	05/05	03:53	0:04	80.0	3. Startup	Reduce Steam Flow
05/11	05:42	05/11	05:44	0:03	40.2	3. Startup	reduce steam demand
05/13	11:00	05/13	11:10	0:11	80.2	3. Startup	Reduce steam demand
							reduce steam demand

EXCESS EMISSIONS REPORT

PRINTED: 24-Jul-98

Koppers Industries

Tie Plant Road

Opacity in %

BEGINNING Jan. 1, 1998 AND ENDING Mar. 31, 1998

SOURCE: CEMS COMPLIANCE LIMIT: 40.00

Excess Began		Excess Ended		Duration		Reason for Excess Emissions	Corrective Action Taken
Date	Time	Date	Time	Hours	Magnitude		
01/09	13:36	01/09	13:36	0:01	18.0	3. Startup	Reduce Steam Demand
01/13	15:51	01/13	15:51	0:01	74.2	3. Startup	Reduce Steam Demand
01/15	04:32	01/15	04:35	0:04	43.5	3. Startup	Reduce Steam Demand
01/15	18:03	01/15	18:06	0:04	81.0	3. Startup	Reduce Steam Demand
01/22	15:06	01/22	15:06	0:01	83.4	3. Startup	Reduce steam demand
01/31	09:13	01/31	09:17	0:05	89.6	3. Startup	Reduce Steam Demand
02/09	10:16	02/09	10:20	0:05	50.3	3. Startup	reduce steam load
02/10	21:23	02/10	21:25	0:03	42.0	3. Startup	None at this time.
03/17	13:32	03/17	13:34	0:03	32.0	3. Startup	Reduce Steam Flow
03/27	02:43	03/27	02:45	0:03	18.1	3. Startup	Reduce Steam Flow

Date/ Time	Opacity %	Cell 1 F	Cell 2 F
01-01-98 00:00	5.0	1171	1265
01-01-98 01:00	3.1	1285	1290
01-01-98 02:00	3.9	1249	1254
01-01-98 03:00	5.1	1220	1221
01-01-98 04:00	4.6	1313	1261
01-01-98 05:00	4.1	1126	826
01-01-98 06:00	6.5	408	454
01-01-98 07:00	1.8	388	383
01-01-98 08:00	1.3	386	391
01-01-98 09:00	1.2	363	372
01-01-98 10:00	1.2	347	356
01-01-98 11:00	1.1	333	343
01-01-98 12:00	1.1	321	334
01-01-98 13:00	1.1	311	325
01-01-98 14:00	1.2	301	317
01-01-98 15:00	1.1	291	310
01-01-98 16:00	1.1	285	300
01-01-98 17:00	1.1	278	292
01-01-98 18:00	1.1	268	284
01-01-98 19:00	1.0	261	277
01-01-98 20:00	1.0	254	271
01-01-98 21:00	1.0	249	267
01-01-98 22:00	1.0	245	262
01-01-98 23:00	1.0	241	259
01-02-98 00:00	1.0	236	255
01-02-98 01:00	1.0	232	251
01-02-98 02:00	1.0	228	247
01-02-98 03:00	1.0	225	245
01-02-98 04:00	1.0	221	243
01-02-98 05:00	1.1	219	241
01-02-98 06:00	1.1	216	238
01-02-98 07:00	1.1	213	236
01-02-98 08:00	1.1	213	235
01-02-98 09:00	1.2	208	231
01-02-98 10:00	1.2	208	230
01-02-98 11:00	1.2	208	230
01-02-98 12:00	1.2	207	230
01-02-98 13:00	1.2	206	229
01-02-98 14:00	1.2	205	228
01-02-98 15:00	1.2	204	227
01-02-98 16:00	1.2	202	226
01-02-98 17:00	1.2	200	224
01-02-98 18:00	1.1	199	223
01-02-98 19:00	1.1	197	221
01-02-98 20:00	1.1	195	220

NO TREATED WOOD BURNED

1-1 TO 1-6



FROM 01/01/98 00:00 TO 06/30/98 23:59

Date/ Time	Opacity %	Cell 1 F	Cell 2 F
1-02-98 21:00	1.1	194	218
1-02-98 22:00	1.1	193	217
1-02-98 23:00	1.1	192	216
1-03-98 00:00	1.9	191	215
1-03-98 01:00	1.2	190	214
1-03-98 02:00	1.2	190	214
1-03-98 03:00	1.2	189	214
1-03-98 04:00	1.2	188	212
1-03-98 05:00	1.2	188	212
1-03-98 06:00	1.5	186	211
1-03-98 07:00	2.1	186	211
1-03-98 08:00	1.7	185	210
1-03-98 09:00	1.7	185	210
1-03-98 10:00	1.4	185	211
1-03-98 11:00	1.4	186	211
1-03-98 12:00	1.3	186	212
1-03-98 13:00	1.3	186	212
1-03-98 14:00	1.2	186	212
1-03-98 15:00	1.3	185	212
1-03-98 16:00	1.2	185	211
1-03-98 17:00	1.3	184	210
1-03-98 18:00	1.3	183	209
1-03-98 19:00	1.2	182	208
1-03-98 20:00	1.2	181	207
1-03-98 21:00	1.2	180	206
1-03-98 22:00	1.2	179	205
1-03-98 23:00	1.2	179	204
1-04-98 00:00	1.3	178	204
1-04-98 01:00	1.3	178	204
1-04-98 02:00	1.3	178	203
1-04-98 03:00	1.3	177	203
1-04-98 04:00	1.3	177	203
1-04-98 05:00	1.3	177	203
1-04-98 06:00	1.3	176	202
1-04-98 07:00	1.3	176	202
1-04-98 08:00	1.4	176	202
1-04-98 09:00	1.4	176	202
1-04-98 10:00	1.4	177	203
1-04-98 11:00	1.4	177	204
1-04-98 12:00	1.4	177	204
1-04-98 13:00	1.3	177	204
1-04-98 14:00	1.3	177	204
1-04-98 15:00	1.3	177	204
1-04-98 16:00	1.3	177	204
1-04-98 17:00	1.3	177	204

NO TREATED WATER

1-1 1-6



FROM 01/01/98 00:00 TO 06/30/98 23:59

Date/ Time	Opacity %	Cell 1 F	Cell 2 F
01-04-98 18:00	1.3	176	203
01-04-98 19:00	1.3	176	203
01-04-98 20:00	1.4	176	203
01-04-98 21:00	1.4	176	203
01-04-98 22:00	1.4	176	203
01-04-98 23:00	1.4	176	203
01-05-98 00:00	1.4	176	202
01-05-98 01:00	1.3	175	202
01-05-98 02:00	1.3	175	202
01-05-98 03:00	1.4	175	202
01-05-98 04:00	11.2	326	366
01-05-98 05:00	7.4	1118	1327
01-05-98 06:00	5.0	1123	1257
01-05-98 07:00	3.1	1210	1238
01-05-98 08:00	3.0	1561	1316
01-05-98 09:00	3.7	1835	1797
01-05-98 10:00	5.1	2092	1963
01-05-98 11:00	2.3	1882	1877
01-05-98 12:00	3.2	1929	1448
01-05-98 13:00	7.2	1066	1226
01-05-98 14:00	4.0	1537	1592
01-05-98 15:00	3.3	1729	1706
01-05-98 16:00	3.0	1888	1770
01-05-98 17:00	5.0	1006	1088
01-05-98 18:00	3.9	1350	1098
01-05-98 19:00	3.2	1363	1302
01-05-98 20:00	2.4	1399	1365
01-05-98 21:00	2.6	1684	1639
01-05-98 22:00	2.7	1816	1613
01-05-98 23:00	3.1	1399	1057
01-06-98 00:00	3.9	1326	1197
01-06-98 01:00	5.7	1076	1166
01-06-98 02:00	3.1	1251	1404
01-06-98 03:00	2.9	1268	1410
01-06-98 04:00	4.2	1227	1287
01-06-98 05:00	5.5	1148	1127
01-06-98 06:00	3.3	1279	1335
01-06-98 07:00	3.4	1267	1178
01-06-98 08:00	3.7	1310	1147
01-06-98 09:00	4.9	1283	1414
01-06-98 10:00	3.7	1238	1400
01-06-98 11:00	3.1	1333	1395
01-06-98 12:00	3.3	1470	1336
01-06-98 13:00	10.0	1504	1420
01-06-98 14:00	5.8	1322	1348

NO TREATED WOOD 1-1 TO 1-6



Koppers Industries
Tie Plant Road
Daily Summary

Page 4

FROM 01/01/98 00:00 TO 06/30/98 23:59

Date/ Time	Opacity %	Cell 1 F	Cell 2 F
01-06-98 15:00	4.0	1400	1365
01-06-98 16:00	3.5	1381	1270
01-06-98 17:00	3.8	1439	1410
01-06-98 18:00	3.2	1575	1423
01-06-98 19:00	3.1	1483	1346
01-06-98 20:00	5.5	1269	1246
01-06-98 21:00	3.5	1840	1570
01-06-98 22:00	4.4	1722	1593
01-06-98 23:00	4.8	1642	1541
01-07-98 00:00	3.9	1745	1650
01-07-98 01:00	4.1	1718	1489
01-07-98 02:00	7.0	1056	1057
01-07-98 03:00	4.2	1350	1218
01-07-98 04:00	5.0	1235	1080
01-07-98 05:00	4.0	1602	1549
01-07-98 06:00	8.3	1733	1682
01-07-98 07:00	4.7	1665	1597
01-07-98 08:00	4.6	1648	1591
01-07-98 09:00	2.8	1390	1200
01-07-98 10:00	2.4	563	502
01-07-98 11:00	1.5	507	489
01-07-98 12:00	1.9	474	468
01-07-98 13:00	1.4	409	405
01-07-98 14:00	6.4	754	676
01-07-98 15:00	4.2	1709	1493
01-07-98 16:00	5.0	1674	1456
01-07-98 17:00	4.7	1487	1410
01-07-98 18:00	3.7	1431	1165
01-07-98 19:00	2.5	1683	1466
01-07-98 20:00	3.7	1343	1306
01-07-98 21:00	4.9	1390	1088
01-07-98 22:00	3.2	1540	1261
01-07-98 23:00	3.1	1479	1254
01-08-98 00:00	3.3	1677	1333
01-08-98 01:00	3.9	1353	1180
01-08-98 02:00	4.5	1405	1219
01-08-98 03:00	4.9	1371	1185
01-08-98 04:00	4.6	1339	1161
01-08-98 05:00	4.0	1813	1452
01-08-98 06:00	2.7	1852	1406
01-08-98 07:00	3.5	1738	1558
01-08-98 08:00	3.4	1612	1537
01-08-98 09:00	2.6	1742	1476
01-08-98 10:00	3.2	1684	1389
01-08-98 11:00	3.9	1703	1579

NO TREATED WOOD BURNED

Koppers Industries
Tie Plant Road
Daily Summary

Page 5

FROM 01/01/98 00:00 TO 06/30/98 23:59

Date/ Time	Opacity %	Cell 1 F	Cell 2 F
1-08-98 12:00	2.8	1841	1649
1-08-98 13:00	4.4	1264	1284
1-08-98 14:00	4.3	1677	1211
1-08-98 15:00	4.0	1635	1318
1-08-98 16:00	3.0	1687	1511
1-08-98 17:00	2.9	1734	1328
1-08-98 18:00	3.8	1765	1648
1-08-98 19:00	4.3	1318	1170
1-08-98 20:00	3.3	1585	1416
1-08-98 21:00	3.6	1588	1344
1-08-98 22:00	4.2	1653	1554
1-08-98 23:00	3.7	1594	1498
1-09-98 00:00	3.5	1658	1522
1-09-98 01:00	4.2	1569	1374
1-09-98 02:00	5.0	1266	875
1-09-98 03:00	4.6	1244	1015
1-09-98 04:00	4.5	1323	1240
1-09-98 05:00	2.8	1219	1278
1-09-98 06:00	2.9	1205	1301
1-09-98 07:00	3.5	1265	1318
1-09-98 08:00	3.0	1370	1501
1-09-98 09:00	3.3	1189	1055
1-09-98 10:00	3.3	1393	1384
1-09-98 11:00	3.6	1358	1417
1-09-98 12:00	3.1	1482	1423
1-09-98 13:00	9.7	898	622
1-09-98 14:00	5.3	1133	1191
1-09-98 15:00	4.1	1122	1152
1-09-98 16:00	3.6	1280	1435
1-09-98 17:00	2.6	1129	1276
1-09-98 18:00	5.9	869	1007
1-09-98 19:00	4.8	997	1078
1-09-98 20:00	4.7	993	1144
1-09-98 21:00	2.6	1109	1291
1-09-98 22:00	3.4	1276	1287
1-09-98 23:00	3.1	1320	1305
1-10-98 00:00	2.6	1310	1285
1-10-98 01:00	3.4	1269	1184
1-10-98 02:00	3.2	1197	1293
1-10-98 03:00	3.1	1103	1183
1-10-98 04:00	3.7	1018	1175
1-10-98 05:00	13.1	1049	1113
1-10-98 06:00	6.5	466	526
1-10-98 07:00	1.3	462	460
1-10-98 08:00	1.5	433	435

NO TREATED WOOD BURNED
1-10 & 1-11

Koppers Industries
Tie Plant Road
Daily Summary

Page 6

FROM 01/01/98 00:00 TO 06/30/98 23:59

Date/ Time	Opacity %	Cell 1 F	Cell 2 F
1-10-98 09:00	1.4	409	413
1-10-98 10:00	1.4	390	396
1-10-98 11:00	1.3	375	383
1-10-98 12:00	1.3	361	370
1-10-98 13:00	1.3	349	359
1-10-98 14:00	1.3	338	349
1-10-98 15:00	1.3	329	341
1-10-98 16:00	1.2	320	332
1-10-98 17:00	1.2	311	324
1-10-98 18:00	1.2	303	317
1-10-98 19:00	1.2	296	310
1-10-98 20:00	1.2	289	304
1-10-98 21:00	1.2	283	299
1-10-98 22:00	1.2	277	293
1-10-98 23:00	1.2	272	288
1-11-98 00:00	1.2	267	283
1-11-98 01:00	1.2	262	280
1-11-98 02:00	1.3	258	276
1-11-98 03:00	1.3	255	273
1-11-98 04:00	1.3	251	269
1-11-98 05:00	1.3	247	266
1-11-98 06:00	1.3	244	264
1-11-98 07:00	1.2	241	261
1-11-98 08:00	1.3	239	259
1-11-98 09:00	1.3	235	256
1-11-98 10:00	1.4	233	253
1-11-98 11:00	1.3	230	251
1-11-98 12:00	1.4	228	249
1-11-98 13:00	1.4	227	248
1-11-98 14:00	1.4	225	246
1-11-98 15:00	1.4	222	244
1-11-98 16:00	1.3	220	242
1-11-98 17:00	1.3	218	240
1-11-98 18:00	1.3	217	239
1-11-98 19:00	1.3	215	237
1-11-98 20:00	1.3	213	236
1-11-98 21:00	1.3	212	234
1-11-98 22:00	1.3	210	233
1-11-98 23:00	1.3	209	232
1-12-98 00:00	2.1	208	231
1-12-98 01:00	1.3	206	230
1-12-98 02:00	1.3	204	227
1-12-98 03:00	1.3	202	225
1-12-98 04:00	10.1	247	317
1-12-98 05:00	5.0	1026	1079

BOILER DOWN

Koppers Industries
Tie Plant Road
Daily Summary

Page 7

FROM 01/01/98 00:00 TO 06/30/98 23:59

Date/ Time	Opacity %	Cell 1 F	Cell 2 F
01-12-98 06:00	4.0	1014	1090
01-12-98 07:00	5.7	1032	1134
01-12-98 08:00	4.0	982	1109
01-12-98 09:00	4.1	956	1118
01-12-98 10:00	5.1	939	1088
01-12-98 11:00	4.4	1137	1181
01-12-98 12:00	5.5	1077	1010
01-12-98 13:00	7.8	1047	1059
01-12-98 14:00	7.1	905	959
01-12-98 15:00	4.6	1250	1344
01-12-98 16:00	3.2	1254	1283
01-12-98 17:00	3.7	1220	1308
01-12-98 18:00	4.3	1170	1235
01-12-98 19:00	8.3	979	858
01-12-98 20:00	5.2	1098	1057
01-12-98 21:00	5.6	884	1173
01-12-98 22:00	4.6	1256	1392
01-12-98 23:00	3.9	1343	1321
01-13-98 00:00	5.2	1058	816
01-13-98 01:00	5.5	1141	1320
01-13-98 02:00	7.2	1055	1157
01-13-98 03:00	3.5	1128	1175
01-13-98 04:00	6.1	1044	867
01-13-98 05:00	7.5	1023	1094
01-13-98 06:00	5.0	1032	1059
01-13-98 07:00	4.3	1037	1070
01-13-98 08:00	4.1	1056	1174
01-13-98 09:00	3.9	1290	1320
01-13-98 10:00	3.1	1189	1263
01-13-98 11:00	4.2	1121	1283
01-13-98 12:00	4.2	1138	1311
01-13-98 13:00	4.5	1255	957
01-13-98 14:00	5.3	1314	848
01-13-98 15:00	9.2	942	966
01-13-98 16:00	6.6	1164	1242
01-13-98 17:00	5.6	1208	1379
01-13-98 18:00	3.6	1257	1345
01-13-98 19:00	5.6	986	1196
01-13-98 20:00	6.5	1173	1015
01-13-98 21:00	4.5	1242	1428
01-13-98 22:00	5.1	1199	1326
01-13-98 23:00	5.2	1306	1272
01-14-98 00:00	4.9	1343	1345
01-14-98 01:00	8.0	1162	1275
01-14-98 02:00	7.7	1197	1067

Koppers Industries
Tie Plant Road
Daily Summary

Page 8

FROM 01/01/98 00:00 TO 06/30/98 23:59

Date/ Time	Opacity %	Cell 1 F	Cell 2 F
1-14-98 03:00	4.4	1282	1152
1-14-98 04:00	7.0	1089	1153
1-14-98 05:00	6.4	1185	1195
1-14-98 06:00	3.6	1235	1400
1-14-98 07:00	4.0	1212	1433
1-14-98 08:00	4.1	1161	1326
1-14-98 09:00	3.4	1249	1348
1-14-98 10:00	4.3	1207	1332
1-14-98 11:00	3.7	1707	1728
1-14-98 12:00	2.8	1769	1507
1-14-98 13:00	4.1	1501	1605
1-14-98 14:00	4.4	1369	1536
1-14-98 15:00	7.0	1313	1285
1-14-98 16:00	3.2	1335	1526
1-14-98 17:00	4.5	1243	1402
1-14-98 18:00	3.9	1484	1375
1-14-98 19:00	3.4	1403	1482
1-14-98 20:00	5.3	916	1343
1-14-98 21:00	5.3	1315	1154
1-14-98 22:00	4.8	1179	1210
1-14-98 23:00	6.8	1123	1132
1-15-98 00:00	3.9	1219	1231
1-15-98 01:00	2.6	1267	1429
1-15-98 02:00	2.8	1209	1315
1-15-98 03:00	8.0	966	981
1-15-98 04:00	16.4	1299	1043
1-15-98 05:00	6.3	1397	1357
1-15-98 06:00	2.9	1149	1289
1-15-98 07:00	2.8	1193	1239
1-15-98 08:00	3.3	1122	1124
1-15-98 09:00	3.2	1199	1249
1-15-98 10:00	2.4	1292	1342
1-15-98 11:00	2.6	1243	1448
1-15-98 12:00	2.9	1305	1444
1-15-98 13:00	2.8	1444	1335
1-15-98 14:00	3.2	1530	1646
1-15-98 15:00	4.6	1376	1419
1-15-98 16:00	4.2	1423	1485
1-15-98 17:00	7.1	607	613
1-15-98 18:00	11.3	1266	1016
1-15-98 19:00	6.8	1428	1191
1-15-98 20:00	3.7	1814	1653
1-15-98 21:00	3.7	1716	1579
1-15-98 22:00	3.5	1551	1570
1-15-98 23:00	2.9	1713	1380

NO TREATED WOOD BURNED
1-14

Koppers Industries
Tie Plant Road
Daily Summary

Page 9

FROM 01/01/98 00:00 TO 06/30/98 23:59

Date/ Time	Opacity %	Cell 1 F	Cell 2 F
01-16-98 00:00	5.9	1308	1249
01-16-98 01:00	4.4	1451	1513
01-16-98 02:00	6.6	1166	1396
01-16-98 03:00	5.2	1173	1162
01-16-98 04:00	4.0	1427	1414
01-16-98 05:00	3.9	1566	1565
01-16-98 06:00	3.0	1516	1540
01-16-98 07:00	4.4	1517	1614
01-16-98 08:00	4.4	1588	1623
01-16-98 09:00	2.9	1742	1737
01-16-98 10:00	5.9	1848	1807
01-16-98 11:00	3.3	1839	1745
01-16-98 12:00	4.6	1750	1755
01-16-98 13:00	6.2	1658	1451
01-16-98 14:00	5.6	1138	1264
01-16-98 15:00	3.0	1700	1690
01-16-98 16:00	2.9	1540	1534
01-16-98 17:00	3.4	1392	1316
01-16-98 18:00	2.4	1325	1255
01-16-98 19:00	2.4	1314	1246
01-16-98 20:00	4.5	1225	1246
01-16-98 21:00	2.7	1653	1661
01-16-98 22:00	2.4	1758	1672
01-16-98 23:00	2.6	1716	1691
01-17-98 00:00	3.4	1721	1713
01-17-98 01:00	2.6	1373	1320
01-17-98 02:00	3.4	1075	1165
01-17-98 03:00	6.1	1053	1028
01-17-98 04:00	4.3	1060	1154
01-17-98 05:00	13.6	1309	1434
01-17-98 06:00	2.9	1681	1626
01-17-98 07:00	2.7	1779	1724
01-17-98 08:00	3.6	1763	1763
01-17-98 09:00	2.6	1781	1726
01-17-98 10:00	4.0	1742	1670
01-17-98 11:00	3.1	1804	1781
01-17-98 12:00	2.2	1652	1673
01-17-98 13:00	6.4	1116	1093
01-17-98 14:00	4.2	1193	1154
01-17-98 15:00	3.0	1079	1175
01-17-98 16:00	2.1	1090	1268
01-17-98 17:00	1.9	1195	1368
01-17-98 18:00	2.8	1294	1276
01-17-98 19:00	2.6	1380	1302
01-17-98 20:00	2.3	1278	1253

Koppers Industries
Tie Plant Road
Daily Summary

Page 10

FROM 01/01/98 00:00 TO 06/30/98 23:59

Date/ Time	Opacity %	Cell 1 F	Cell 2 F
1-17-98 21:00	1.7	1368	1451
1-17-98 22:00	2.1	1277	1279
1-17-98 23:00	3.1	1176	1187
1-18-98 00:00	3.7	1110	1118
1-18-98 01:00	1.6	1266	1341
1-18-98 02:00	3.1	1217	1133
1-18-98 03:00	2.1	1244	783
1-18-98 04:00	5.2	1133	1143
1-18-98 05:00	26.4	1057	1118
1-18-98 06:00	3.0	1275	1343
1-18-98 07:00	2.4	1276	1346
1-18-98 08:00	2.4	1260	1287
1-18-98 09:00	2.6	1407	1351
1-18-98 10:00	2.6	1142	1208
1-18-98 11:00	2.2	1133	1200
1-18-98 12:00	2.6	1127	1161
1-18-98 13:00	2.7	1205	1120
1-18-98 14:00	2.7	1151	1145
1-18-98 15:00	2.7	1118	1231
1-18-98 16:00	2.2	1066	1279
1-18-98 17:00	2.0	1187	1262
1-18-98 18:00	2.5	1172	1199
1-18-98 19:00	2.9	1141	1175
1-18-98 20:00	3.3	1057	1200
1-18-98 21:00	2.5	1123	1237
1-18-98 22:00	2.6	1094	1087
1-18-98 23:00	7.6	825	735
1-19-98 00:00	3.6	1244	1150
1-19-98 01:00	5.0	1018	1049
1-19-98 02:00	4.9	1133	1043
1-19-98 03:00	3.9	1078	1123
1-19-98 04:00	4.0	1086	1084
1-19-98 05:00	4.9	1085	1032
1-19-98 06:00	5.5	1000	954
1-19-98 07:00	7.4	956	899
1-19-98 08:00	6.6	1009	964
1-19-98 09:00	5.3	983	1050
1-19-98 10:00	2.8	1253	1251
1-19-98 11:00	2.4	1257	1326
1-19-98 12:00	3.0	1275	1302
1-19-98 13:00	3.8	1230	1363
1-19-98 14:00	9.7	1313	1297
1-19-98 15:00	2.4	1359	1321
1-19-98 16:00	2.4	1424	1558
1-19-98 17:00	2.5	1630	1645

NO TREATED WOOD BURNED
1-18

Koppers Industries
Tie Plant Road
Daily Summary

Page 11

FROM 01/01/98 00:00 TO 06/30/98 23:59

Date/ Time	Opacity %	Cell 1 F	Cell 2 F
1-19-98 18:00	2.6	1376	1397
1-19-98 19:00	1.9	1329	1318
1-19-98 20:00	4.0	938	1131
1-19-98 21:00	3.0	1433	1629
1-19-98 22:00	2.4	1683	1359
1-19-98 23:00	2.1	1731	1428
1-20-98 00:00	3.6	1530	1669
1-20-98 01:00	4.7	1744	1849
1-20-98 02:00	3.0	1742	1559
1-20-98 03:00	3.2	1634	1850
1-20-98 04:00	3.3	1576	1539
1-20-98 05:00	6.5	1760	1750
1-20-98 06:00	3.1	1604	1903
1-20-98 07:00	2.7	1551	1913
1-20-98 08:00	2.4	1186	1507
1-20-98 09:00	3.6	1394	1209
1-20-98 10:00	3.1	1372	1389
1-20-98 11:00	3.7	1338	1614
1-20-98 12:00	2.9	1493	1332
1-20-98 13:00	4.0	1377	1159
1-20-98 14:00	3.8	1215	1402
1-20-98 15:00	3.5	1435	1641
1-20-98 16:00	3.0	1570	1834
1-20-98 17:00	2.6	1694	1524
1-20-98 18:00	3.5	1400	1139
1-20-98 19:00	3.4	1420	1253
1-20-98 20:00	4.5	1268	1152
1-20-98 21:00	3.1	1521	1655
1-20-98 22:00	2.8	1404	1318
1-20-98 23:00	3.0	1644	1511
1-21-98 00:00	3.8	1903	1605
1-21-98 01:00	2.7	1485	1378
1-21-98 02:00	4.5	1265	1233
1-21-98 03:00	3.6	1287	1248
1-21-98 04:00	8.1	1242	1198
1-21-98 05:00	3.2	1448	1592
1-21-98 06:00	3.5	1892	1992
1-21-98 07:00	3.7	2046	2096
1-21-98 08:00	2.8	2077	1863
1-21-98 09:00	6.0	2224	2168
1-21-98 10:00	2.8	2249	2015
1-21-98 11:00	5.4	2239	2028
1-21-98 12:00	4.0	1819	1225
1-21-98 13:00	4.3	1256	1452
1-21-98 14:00	3.1	1609	1705

Koppers Industries
Tie Plant Road
Daily Summary

Page 12

FROM 01/01/98 00:00 TO 06/30/98 23:59

Date/ Time	Opacity %	Cell 1 F	Cell 2 F
1-21-98 15:00	2.5	1817	1856
1-21-98 16:00	2.6	1983	1661
1-21-98 17:00	2.6	1967	1831
1-21-98 18:00	2.7	1815	1800
1-21-98 19:00	2.9	1182	1384
1-21-98 20:00	2.9	1459	1383
1-21-98 21:00	2.7	1716	1765
1-21-98 22:00	2.6	1752	1795
1-21-98 23:00	3.0	1758	1619
1-22-98 00:00	3.0	1948	1727
1-22-98 01:00	3.0	1475	1188
1-22-98 02:00	3.1	1396	1265
1-22-98 03:00	5.1	1329	1175
1-22-98 04:00	5.7	1213	1267
1-22-98 05:00	3.2	1532	1675
1-22-98 06:00	2.3	1493	1736
1-22-98 07:00	3.1	1725	1682
1-22-98 08:00	3.7	1756	1923
1-22-98 09:00	2.6	1750	1883
1-22-98 10:00	2.9	1546	1172
1-22-98 11:00	3.4	1297	1259
1-22-98 12:00	3.6	1283	1383
1-22-98 13:00	7.0	1217	1090
1-22-98 14:00	3.4	1100	1153
1-22-98 15:00	10.9	1066	1037
1-22-98 16:00	3.6	1149	1235
1-22-98 17:00	3.2	1677	1538
1-22-98 18:00	3.4	1558	1666
1-22-98 19:00	2.7	1496	1719
1-22-98 20:00	7.6	940	1008
1-22-98 21:00	9.4	1072	1090
1-22-98 22:00	3.6	1546	1612
1-22-98 23:00	3.0	1598	1563
1-23-98 00:00	2.5	1539	1413
1-23-98 01:00	3.1	1511	1148
1-23-98 02:00	3.6	1419	1241
1-23-98 03:00	4.0	1414	1275
1-23-98 04:00	7.7	1300	1280
1-23-98 05:00	3.0	1519	1402
1-23-98 06:00	2.7	1683	1487
1-23-98 07:00	3.0	1651	1133
1-23-98 08:00	3.6	1761	1740
1-23-98 09:00	3.3	1820	1751
1-23-98 10:00	2.8	1857	1798
1-23-98 11:00	3.2	2042	1480

Koppers Industries
Tie Plant Road
Daily Summary

Page 13

FROM 01/01/98 00:00 TO 06/30/98 23:59

Date/ Time	Opacity %	Cell 1 F	Cell 2 F
1-23-98 12:00	4.1	1750	1697
1-23-98 13:00	4.9	1278	1631
1-23-98 14:00	9.6	1684	1563
1-23-98 15:00	3.2	1647	1612
1-23-98 16:00	2.7	1447	1515
1-23-98 17:00	2.6	1386	1472
1-23-98 18:00	3.0	1384	1686
1-23-98 19:00	3.0	1379	1723
1-23-98 20:00	3.6	1189	1527
1-23-98 21:00	3.4	1482	1565
1-23-98 22:00	2.8	1358	1568
1-23-98 23:00	3.9	1466	1297
1-24-98 00:00	3.1	1562	1474
1-24-98 01:00	3.1	1488	1441
1-24-98 02:00	3.2	1360	1317
1-24-98 03:00	5.6	1308	1280
1-24-98 04:00	11.3	1487	1234
1-24-98 05:00	2.6	1443	1435
1-24-98 06:00	3.6	1589	1539
1-24-98 07:00	2.4	1813	1989
1-24-98 08:00	3.0	1806	1986
1-24-98 09:00	3.2	1753	1801
1-24-98 10:00	2.9	1879	1869
1-24-98 11:00	4.7	1649	1284
1-24-98 12:00	3.6	1378	1353
1-24-98 13:00	3.0	1463	1826
1-24-98 14:00	5.6	1108	1136
1-24-98 15:00	3.6	1746	1611
1-24-98 16:00	2.7	1920	1766
1-24-98 17:00	2.4	1988	1887
1-24-98 18:00	2.6	1289	1574
1-24-98 19:00	3.5	1552	1318
1-24-98 20:00	5.4	1461	1331
1-24-98 21:00	4.2	1641	1650
1-24-98 22:00	2.5	1664	1155
1-24-98 23:00	3.6	1837	1777
1-25-98 00:00	3.3	1619	1834
1-25-98 01:00	3.3	1664	1821
1-25-98 02:00	3.4	2036	1690
1-25-98 03:00	2.8	1834	1378
1-25-98 04:00	7.9	1139	1145
1-25-98 05:00	2.3	1371	1539
1-25-98 06:00	4.7	879	867
1-25-98 07:00	6.0	1373	1047
1-25-98 08:00	3.6	1927	1789

Koppers Industries
Tie Plant Road
Daily Summary

Page 14

FROM 01/01/98 00:00 TO 06/30/98 23:59

Date/ Time	Opacity %	Cell 1 F	Cell 2 F
1-25-98 09:00	2.9	1698	1841
1-25-98 10:00	5.4	1773	1631
1-25-98 11:00	2.5	2106	1382
1-25-98 12:00	3.1	1667	1812
1-25-98 13:00	5.2	1882	1725
1-25-98 14:00	3.1	2011	1706
1-25-98 15:00	3.3	1697	1330
1-25-98 16:00	2.3	1703	1570
1-25-98 17:00	3.2	1753	1073
1-25-98 18:00	2.1	1668	882
1-25-98 19:00	5.5	1153	1207
1-25-98 20:00	4.8	1114	1250
1-25-98 21:00	3.3	1562	944
1-25-98 22:00	3.2	1922	1188
1-25-98 23:00	3.3	1613	1288
1-26-98 00:00	5.1	1353	1203
1-26-98 01:00	6.1	1049	1052
1-26-98 02:00	4.7	1160	1102
1-26-98 03:00	3.5	1342	1202
1-26-98 04:00	5.3	1153	1099
1-26-98 05:00	3.1	1603	1569
1-26-98 06:00	2.9	1621	1527
1-26-98 07:00	9.4	1066	1043
1-26-98 08:00	4.0	1456	1627
1-26-98 09:00	3.2	1672	1951
1-26-98 10:00	4.2	1369	1338
1-26-98 11:00	2.6	1534	1577
1-26-98 12:00	4.4	1253	1416
1-26-98 13:00	2.9	1494	1632
1-26-98 14:00	5.1	1518	1747
1-26-98 15:00	3.4	1504	1806
1-26-98 16:00	3.2	1521	1327
1-26-98 17:00	3.0	1872	1904
1-26-98 18:00	2.7	1715	1884
1-26-98 19:00	4.1	1237	1365
1-26-98 20:00	3.8	1473	1510
1-26-98 21:00	3.8	1616	1803
1-26-98 22:00	3.1	1683	1803
1-26-98 23:00	3.0	1771	1684
1-27-98 00:00	2.6	1387	1564
1-27-98 01:00	2.5	1274	1371
1-27-98 02:00	3.4	1311	1324
1-27-98 03:00	4.4	1352	1280
1-27-98 04:00	9.5	1610	1562
1-27-98 05:00	2.2	1773	1717

FROM 01/01/98 00:00 TO 06/30/98 23:59

Date/ Time	Opacity %	Cell 1 F	Cell 2 F
1-27-98 06:00	2.3	1668	1467
1-27-98 07:00	3.0	1591	1731
1-27-98 08:00	3.1	1636	1644
1-27-98 09:00	2.9	1703	1566
1-27-98 10:00	3.1	1717	1639
1-27-98 11:00	2.9	1489	1408
1-27-98 12:00	4.7	1234	1431
1-27-98 13:00	3.8	1657	1663
1-27-98 14:00	3.1	1646	1737
1-27-98 15:00	2.9	1980	1681
1-27-98 16:00	3.2	1943	1879
1-27-98 17:00	3.1	2038	1708
1-27-98 18:00	3.0	1707	1545
1-27-98 19:00	4.7	1430	1073
1-27-98 20:00	2.4	878	1382
1-27-98 21:00	7.3	1666	1435
1-27-98 22:00	4.5	1409	1212
1-27-98 23:00	3.3	1394	1313
1-28-98 00:00	3.1	1164	1323
1-28-98 01:00	2.6	1523	1374
1-28-98 02:00	2.6	1330	1326
1-28-98 03:00	3.8	1201	1032
1-28-98 04:00	7.8	1326	1292
1-28-98 05:00	2.9	1519	1678
1-28-98 06:00	2.4	1697	1653
1-28-98 07:00	2.4	1753	1676
1-28-98 08:00	3.1	1752	1877
1-28-98 09:00	3.6	1766	1961
1-28-98 10:00	3.3	2184	1971
1-28-98 11:00	3.8	1802	1372
1-28-98 12:00	5.1	1235	1237
1-28-98 13:00	3.2	1188	1270
1-28-98 14:00	3.2	1219	1345
1-28-98 15:00	2.9	1485	1594
1-28-98 16:00	2.8	1574	1778
1-28-98 17:00	4.3	1182	1225
1-28-98 18:00	3.1	1430	1246
1-28-98 19:00	3.8	1084	1158
1-28-98 20:00	2.6	1406	1539
1-28-98 21:00	2.4	1640	1880
1-28-98 22:00	2.4	1547	1783
1-28-98 23:00	2.9	1799	1733
1-29-98 00:00	3.4	1712	1817
1-29-98 01:00	2.6	1641	1692
1-29-98 02:00	2.9	1948	1738

NO TREATED WOOD BURNED
1-28

FROM 01/01/98 00:00 TO 06/30/98 23:59

Date/ Time	Opacity %	Cell 1 F	Cell 2 F
1-29-98 03:00	3.0	1529	1613
1-29-98 04:00	2.5	1546	1575
1-29-98 05:00	2.3	1577	1548
1-29-98 06:00	4.1	1623	1526
1-29-98 07:00	2.0	1485	1689
1-29-98 08:00	2.2	1473	1702
1-29-98 09:00	3.0	1637	1674
1-29-98 10:00	10.3	1548	1827
1-29-98 11:00	2.4	1347	1640
1-29-98 12:00	3.8	1083	1204
1-29-98 13:00	2.3	1287	1399
1-29-98 14:00	2.0	1357	1472
1-29-98 15:00	2.2	1388	1444
1-29-98 16:00	2.2	1496	1458
1-29-98 17:00	1.8	1458	1419
1-29-98 18:00	3.5	1284	1289
1-29-98 19:00	1.7	1487	1469
1-29-98 20:00	2.1	1338	1511
1-29-98 21:00	2.0	1846	1248
1-29-98 22:00	3.4	1816	1592
1-29-98 23:00	1.8	1959	1851
1-30-98 00:00	2.0	1995	1712
1-30-98 01:00	2.0	1743	2009
1-30-98 02:00	1.9	1716	2034
1-30-98 03:00	2.0	1995	1845
1-30-98 04:00	3.2	1891	1542
1-30-98 05:00	5.1	1097	1177
1-30-98 06:00	2.1	1576	1457
1-30-98 07:00	2.3	1919	1794
1-30-98 08:00	2.5	1707	1738
1-30-98 09:00	2.3	1898	1836
1-30-98 10:00	2.2	2115	1964
1-30-98 11:00	3.3	2145	1917
1-30-98 12:00	3.4	1876	1507
1-30-98 13:00	3.4	1440	1699
1-30-98 14:00	2.4	1827	1634
1-30-98 15:00	2.5	1631	1511
1-30-98 16:00	2.5	1438	1429
1-30-98 17:00	2.4	1476	1201
1-30-98 18:00	4.9	1287	887
1-30-98 19:00	4.3	1388	896
1-30-98 20:00	6.3	1172	1094
1-30-98 21:00	6.4	1263	1093
1-30-98 22:00	4.5	1184	1145
1-30-98 23:00	5.8	1148	1148

FROM 01/01/98 00:00 TO 06/30/98 23:59

Date/ Time	Opacity %	Cell 1 F	Cell 2 F
1-31-98 00:00	8.4	1129	1110
1-31-98 01:00	8.0	1193	1165
1-31-98 02:00	5.2	1095	1154
1-31-98 03:00	9.0	1098	776
1-31-98 04:00	7.0	982	625
1-31-98 05:00	8.5	968	550
1-31-98 06:00	5.2	1115	599
1-31-98 07:00	2.2	1516	795
1-31-98 08:00	3.0	1709	1008
1-31-98 09:00	13.5	1359	1174
1-31-98 10:00	4.2	1359	1150
1-31-98 11:00	3.6	1570	1439
1-31-98 12:00	3.6	1543	1467
1-31-98 13:00	3.4	1563	1397
1-31-98 14:00	2.6	1887	1665
1-31-98 15:00	3.3	1479	1437
1-31-98 16:00	2.6	504	468
1-31-98 17:00	1.9	307	315
1-31-98 18:00	1.8	267	274
1-31-98 19:00	1.8	251	254
1-31-98 20:00	1.8	226	240
1-31-98 21:00	1.8	220	229
1-31-98 22:00	1.7	207	223
1-31-98 23:00	1.7	209	218
2-01-98 00:00	1.7	200	213
2-01-98 01:00	1.6	188	209
2-01-98 02:00	1.5	189	206
2-01-98 03:00	1.5	185	204
2-01-98 04:00	1.6	186	204
2-01-98 05:00	1.4	216	229
2-01-98 06:00	1.5	220	232
2-01-98 07:00	1.4	219	231
2-01-98 08:00	1.3	217	229
2-01-98 09:00	1.3	216	228
2-01-98 10:00	1.3	213	226
2-01-98 11:00	1.3	212	225
2-01-98 12:00	1.3	211	227
2-01-98 13:00	1.2	209	226
2-01-98 14:00	1.2	206	224
2-01-98 15:00	1.1	203	221
2-01-98 16:00	1.1	200	218
2-01-98 17:00	1.1	200	219
2-01-98 18:00	1.2	200	219
2-01-98 19:00	1.2	198	217
2-01-98 20:00	1.2	196	216

NO TREATED WOOD BURNED
1-31

BOILER DOWN

FROM 01/01/98 00:00 TO 06/30/98 23:59

Date/ Time	Opacity %	Cell 1 F	Cell 2 F
2-01-98 21:00	1.2	195	215
2-01-98 22:00	1.2	193	214
2-01-98 23:00	1.2	192	213
2-02-98 00:00	1.9	192	212
2-02-98 01:00	1.2	190	211
2-02-98 02:00	1.2	189	211
2-02-98 03:00	1.2	188	210
2-02-98 04:00	10.5	311	420
2-02-98 05:00	4.1	1104	1168
2-02-98 06:00	4.0	992	1201
2-02-98 07:00	3.4	964	1131
2-02-98 08:00	2.5	1115	1236
2-02-98 09:00	2.3	1358	1232
2-02-98 10:00	2.3	1389	1239
2-02-98 11:00	2.5	1367	1370
2-02-98 12:00	2.4	1360	1523
2-02-98 13:00	3.8	1347	1254
2-02-98 14:00	3.5	1373	1242
2-02-98 15:00	3.0	1255	1210
2-02-98 16:00	6.2	1048	981
2-02-98 17:00	3.4	1403	1017
2-02-98 18:00	3.8	1309	1100
2-02-98 19:00	4.3	1258	1091
2-02-98 20:00	3.3	1308	1174
2-02-98 21:00	2.8	1208	1208
2-02-98 22:00	2.8	1486	1290
2-02-98 23:00	3.2	1148	1158
2-03-98 00:00	3.8	1318	1076
2-03-98 01:00	3.1	1333	1108
2-03-98 02:00	5.1	1179	1018
2-03-98 03:00	5.3	1211	953
2-03-98 04:00	11.5	1085	927
2-03-98 05:00	9.3	1159	1026
2-03-98 06:00	4.6	1200	1053
2-03-98 07:00	3.4	1254	1162
2-03-98 08:00	2.9	1238	1233
2-03-98 09:00	2.8	1148	1240
2-03-98 10:00	3.2	1368	1181
2-03-98 11:00	3.1	1292	1310
2-03-98 12:00	3.1	1380	1289
2-03-98 13:00	5.0	1139	1198
2-03-98 14:00	3.4	1255	1199
2-03-98 15:00	3.5	1058	1161
2-03-98 16:00	2.9	1215	1318
2-03-98 17:00	2.7	1356	1315

Boiler Down

FROM 01/01/98 00:00 TO 06/30/98 23:59

Date/ Time	Opacity %	Cell 1 F	Cell 2 F
2-03-98 18:00	3.7	1047	1204
2-03-98 19:00	3.9	937	1228
2-03-98 20:00	3.2	1129	1304
2-03-98 21:00	2.5	1246	1473
2-03-98 22:00	2.4	1329	1288
2-03-98 23:00	3.9	1135	1168
2-04-98 00:00	3.8	1292	1250
2-04-98 01:00	2.7	1292	1255
2-04-98 02:00	4.9	1347	1265
2-04-98 03:00	4.6	1487	1220
2-04-98 04:00	6.1	1335	1197
2-04-98 05:00	3.2	1201	1160
2-04-98 06:00	3.3	1318	1302
2-04-98 07:00	2.4	1534	1550
2-04-98 08:00	2.2	1693	1684
2-04-98 09:00	3.6	1528	1519
2-04-98 10:00	2.4	1730	1562
2-04-98 11:00	2.7	1742	1691
2-04-98 12:00	3.0	1694	1441
2-04-98 13:00	4.5	1454	1568
2-04-98 14:00	3.5	1518	1671
2-04-98 15:00	3.0	1563	1758
2-04-98 16:00	3.2	1697	1964
2-04-98 17:00	3.0	1719	1998
2-04-98 18:00	3.0	1679	1626
2-04-98 19:00	3.0	1233	1623
2-04-98 20:00	4.7	1464	1480
2-04-98 21:00	19.6	1407	1355
2-04-98 22:00	5.4	1581	1351
2-04-98 23:00	10.6	1359	1285
2-05-98 00:00	3.5	1859	1729
2-05-98 01:00	2.2	1884	1816
2-05-98 02:00	2.4	1848	1703
2-05-98 03:00	3.4	1465	1501
2-05-98 04:00	2.8	1323	1441
2-05-98 05:00	2.4	1326	1354
2-05-98 06:00	2.5	1566	1479
2-05-98 07:00	3.2	1799	1759
2-05-98 08:00	3.0	1923	1914
2-05-98 09:00	3.4	1775	1396
2-05-98 10:00	2.8	1680	1818
2-05-98 11:00	2.7	1515	1107
2-05-98 12:00	3.3	1621	1539
2-05-98 13:00	2.9	1582	1802
2-05-98 14:00	2.6	1740	1712

FROM 01/01/98 00:00 TO 06/30/98 23:59

Date/ Time	Opacity %	Cell 1 F	Cell 2 F
12-05-98 15:00	3.1	2027	1798
12-05-98 16:00	2.5	1782	1762
12-05-98 17:00	2.4	1696	1668
12-05-98 18:00	3.0	1760	1677
12-05-98 19:00	2.4	1409	1660
12-05-98 20:00	2.7	1271	1409
12-05-98 21:00	2.8	1789	1685
12-05-98 22:00	3.0	2058	1909
12-05-98 23:00	2.6	1556	1281
12-06-98 00:00	2.9	1347	1323
12-06-98 01:00	3.0	1330	1216
12-06-98 02:00	5.5	1216	895
12-06-98 03:00	4.6	1231	1162
12-06-98 04:00	10.4	1304	1154
12-06-98 05:00	4.7	1245	855
12-06-98 06:00	2.8	1458	1392
12-06-98 07:00	2.5	1781	1643
12-06-98 08:00	2.6	1796	1580
12-06-98 09:00	2.7	1521	1605
12-06-98 10:00	2.7	1753	1754
12-06-98 11:00	2.6	1731	1601
12-06-98 12:00	3.3	1678	1445
12-06-98 13:00	3.4	1509	1550
12-06-98 14:00	3.5	1609	1509
12-06-98 15:00	3.4	1623	1434
12-06-98 16:00	2.4	1718	1828
12-06-98 17:00	2.5	1582	1699
12-06-98 18:00	2.7	2055	1866
12-06-98 19:00	2.2	1805	1778
12-06-98 20:00	2.8	1404	1509
12-06-98 21:00	2.5	1616	1683
12-06-98 22:00	2.4	1956	1766
12-06-98 23:00	2.8	1983	1837
12-07-98 00:00	3.1	2095	1702
12-07-98 01:00	3.0	1808	1851
12-07-98 02:00	2.8	1842	1656
12-07-98 03:00	2.9	1528	1591
12-07-98 04:00	6.6	1323	1169
12-07-98 05:00	3.0	1561	1422
12-07-98 06:00	3.1	1635	1674
12-07-98 07:00	2.4	1731	1656
12-07-98 08:00	3.2	1681	1783
12-07-98 09:00	3.4	1823	1789
12-07-98 10:00	3.1	1957	1767
12-07-98 11:00	3.2	1877	1688

NO TREATED WOOD BURNED
2-7 + 2-8

FROM 01/01/98 00:00 TO 06/30/98 23:59

Date/ Time	Opacity %	Cell 1	Cell 2
		F	F
07-98 12:00	4.2	1533	1672
07-98 13:00	3.2	1705	1919
07-98 14:00	3.0	1693	1898
07-98 15:00	2.8	1639	1893
07-98 16:00	4.0	1515	1551
07-98 17:00	3.1	1332	1443
07-98 18:00	2.8	1260	1413
07-98 19:00	3.2	1147	1382
07-98 20:00	3.2	1151	1625
07-98 21:00	2.9	1726	2002
07-98 22:00	6.7	1128	1103
07-98 23:00	3.8	1437	1485
08-98 00:00	3.5	1490	1458
08-98 01:00	3.5	1457	1425
08-98 02:00	2.3	1470	1446
08-98 03:00	4.6	1272	1264
08-98 04:00	6.6	1436	1277
08-98 05:00	5.8	1768	1720
08-98 06:00	2.8	1847	1733
08-98 07:00	2.2	1949	1664
08-98 08:00	2.8	1740	1485
08-98 09:00	3.1	1800	1522
08-98 10:00	3.3	1608	1714
08-98 11:00	2.9	1861	1709
08-98 12:00	2.5	1775	1569
08-98 13:00	2.4	1847	1682
08-98 14:00	4.3	1407	1290
08-98 15:00	5.8	1136	1101
08-98 16:00	4.0	1107	1196
08-98 17:00	3.2	1154	1283
08-98 18:00	3.2	1929	1791
08-98 19:00	2.0	1813	1845
08-98 20:00	2.1	1551	1750
08-98 21:00	1.7	2013	1995
08-98 22:00	1.9	2080	1918
08-98 23:00	2.2	1950	1697
09-98 00:00	2.9	2092	1680
09-98 01:00	2.4	2043	1730
09-98 02:00	2.6	1589	1530
09-98 03:00	1.8	1853	1871
09-98 04:00	3.8	1818	1612
09-98 05:00	1.9	1749	1435
09-98 06:00	2.5	1593	1444
09-98 07:00	2.2	1711	1627
09-98 08:00	1.6	1891	1798

NO TREATED WOOD BURNED

FROM 01/01/98 00:00 TO 06/30/98 23:59

Date/ Time	Opacity %	Cell 1	Cell 2
		F	F
-09-98 09:00	3.4	1619	1405
-09-98 10:00	13.1	1325	1218
-09-98 11:00	3.9	1197	1178
-09-98 12:00	2.5	1249	1263
-09-98 13:00	3.1	1324	1365
-09-98 14:00	2.9	1307	1325
-09-98 15:00	2.9	1567	1433
-09-98 16:00	2.0	1644	1613
-09-98 17:00	2.5	1681	1577
-09-98 18:00	2.3	1499	1495
-09-98 19:00	2.1	1475	1493
-09-98 20:00	3.6	1322	1301
-09-98 21:00	4.8	1047	1238
-09-98 22:00	2.9	1541	1396
-09-98 23:00	2.5	1333	1421
-10-98 00:00	3.1	1383	1506
-10-98 01:00	2.6	1580	1489
-10-98 02:00	2.7	1605	1500
-10-98 03:00	3.8	1497	1359
-10-98 04:00	7.2	1374	1254
-10-98 05:00	2.7	1426	1277
-10-98 06:00	2.2	1301	1348
-10-98 07:00	2.6	1411	1240
-10-98 08:00	3.5	1460	1265
-10-98 09:00	2.7	1389	1250
-10-98 10:00	3.1	1310	1308
-10-98 11:00	3.5	1594	1537
-10-98 12:00	3.8	1546	1402
-10-98 13:00	3.3	1250	1393
-10-98 14:00	3.3	1098	1236
-10-98 15:00	2.6	1365	1528
-10-98 16:00	2.7	1405	1491
-10-98 17:00	3.0	1566	1475
-10-98 18:00	3.6	1478	1319
-10-98 19:00	12.2	1469	1269
-10-98 20:00	3.9	1479	1453
-10-98 21:00	9.6	1217	1156
-10-98 22:00	3.5	1401	1344
-10-98 23:00	2.7	1324	1276
-11-98 00:00	3.4	1312	1171
-11-98 01:00	3.6	1334	1256
-11-98 02:00	4.5	1215	1212
-11-98 03:00	7.1	1037	1098
-11-98 04:00	12.4	1363	1209
-11-98 05:00	4.8	1190	1219

NO TREATED WOOD
2-10

FROM 01/01/98 00:00 TO 06/30/98 23:59

Date/ Time	Opacity %	Cell 1 F	Cell 2 F
11-98 06:00	3.6	970	1124
11-98 07:00	4.6	1084	1162
11-98 08:00	4.0	1289	1093
11-98 09:00	4.7	1268	1096
11-98 10:00	5.2	1249	1179
11-98 11:00	4.5	1309	1332
11-98 12:00	6.9	1178	1224
11-98 13:00	5.6	1112	1288
11-98 14:00	5.8	1107	1133
11-98 15:00	5.2	1202	1293
11-98 16:00	3.9	1195	1230
11-98 17:00	4.7	1037	1134
11-98 18:00	5.6	1013	1118
11-98 19:00	8.7	994	1008
11-98 20:00	4.7	1158	1355
11-98 21:00	6.0	1045	1113
11-98 22:00	5.9	1012	1118
11-98 23:00	5.1	1090	1182
12-98 00:00	4.3	1152	1188
12-98 01:00	6.1	989	1149
12-98 02:00	6.8	1106	1372
12-98 03:00	7.9	970	1111
12-98 04:00	10.3	1142	1164
12-98 05:00	4.8	1195	1217
12-98 06:00	5.2	1254	1244
12-98 07:00	5.0	1336	1285
12-98 08:00	5.6	1227	1212
12-98 09:00	5.9	1129	1159
12-98 10:00	5.0	1201	1164
12-98 11:00	4.9	1310	1233
12-98 12:00	6.1	1157	1042
12-98 13:00	8.5	851	922
12-98 14:00	5.9	911	931
12-98 15:00	6.1	1198	1146
12-98 16:00	5.4	1281	1338
12-98 17:00	5.1	1001	1175
12-98 18:00	4.9	1136	1165
12-98 19:00	4.2	1178	1095
12-98 20:00	8.9	686	627
12-98 21:00	8.4	1135	1236
12-98 22:00	4.0	1154	1210
12-98 23:00	3.3	1213	1193
13-98 00:00	3.1	1317	1377
13-98 01:00	3.0	1262	1385
13-98 02:00	3.0	1282	1316

FROM 01/01/98 00:00 TO 06/30/98 23:59

Date/ Time	Opacity %	Cell 1 F	Cell 2 F
-13-98 03:00	3.8	1213	1245
-13-98 04:00	6.6	1240	1283
-13-98 05:00	2.7	1349	1220
-13-98 06:00	3.5	1340	1229
-13-98 07:00	3.2	1187	1100
-13-98 08:00	3.3	1364	1188
-13-98 09:00	3.5	1229	1184
-13-98 10:00	2.9	1247	1388
-13-98 11:00	7.4	1008	919
-13-98 12:00	4.8	1092	1170
-13-98 13:00	5.6	1047	949
-13-98 14:00	3.7	1389	1292
-13-98 15:00	2.9	1757	1803
-13-98 16:00	2.7	1561	1656
-13-98 17:00	2.9	1448	1493
-13-98 18:00	3.0	1469	1427
-13-98 19:00	3.3	1274	1457
-13-98 20:00	2.9	1667	1756
-13-98 21:00	3.5	1779	1944
-13-98 22:00	4.9	2016	1973
-13-98 23:00	2.9	1394	1330
-14-98 00:00	2.8	1348	1400
-14-98 01:00	2.6	1445	1302
-14-98 02:00	2.7	1473	1259
-14-98 03:00	4.2	1125	1188
-14-98 04:00	4.6	1379	1129
-14-98 05:00	6.6	1606	1625
-14-98 06:00	2.7	1721	1812
-14-98 08:00	2.7	1789	1809

-14-98 09:00	3.7	1690	1726
-14-98 10:00	3.3	1739	1717
-14-98 11:00	4.2	1561	1425
-14-98 12:00	3.4	1794	1676
-14-98 13:00	2.9	1849	1884
-14-98 14:00	2.6	1917	1882
-14-98 15:00	3.1	1910	1798
-14-98 16:00	3.8	2202	1986
-14-98 17:00	3.5	2228	1884
-14-98 18:00	2.7	2101	1828
-14-98 19:00	3.0	2087	1932
-14-98 20:00	4.0	1222	1810
-14-98 21:00	4.2	1528	1382
-14-98 22:00	3.1	1836	1870
-14-98 23:00	2.9	1908	1787

Koppers Industries
Tie Plant Road
Daily Summary

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FROM 01/01/98 00:00 TO 06/30/98 23:59

Date/ Time	Opacity %	Cell 1 F	Cell 2 F
2-15-98 00:00	3.9	1912	1894
2-15-98 01:00	3.0	1682	1616
2-15-98 02:00	2.5	1491	1589
2-15-98 03:00	2.6	1612	1553
2-15-98 04:00	8.1	1314	1296
2-15-98 05:00	3.8	1639	1508
2-15-98 06:00	2.9	1738	1798
2-15-98 07:00	2.8	1734	1878
2-15-98 08:00	2.9	1726	1672
2-15-98 09:00	5.5	1517	1456
2-15-98 10:00	3.7	1684	1779
2-15-98 11:00	3.1	1765	1873
2-15-98 12:00	2.4	1754	1909
2-15-98 13:00	2.5	1780	1888
2-15-98 14:00	2.7	1891	1782
2-15-98 15:00	6.6	1339	1241
2-15-98 16:00	3.0	1275	1417
2-15-98 17:00	2.8	1260	1497
2-15-98 18:00	7.2	1560	1760
2-15-98 19:00	4.7	1838	1822
2-15-98 20:00	3.4	1805	1771
2-15-98 21:00	2.6	1647	1642
2-15-98 22:00	3.0	1555	1578
2-15-98 23:00	3.0	1488	1555
2-16-98 00:00	3.4	1460	1504
2-16-98 01:00	4.4	1420	1283
2-16-98 02:00	2.3	1567	1731
2-16-98 03:00	2.7	1508	1597
2-16-98 04:00	5.1	1662	1648
2-16-98 05:00	3.0	1599	1550
2-16-98 06:00	3.0	1552	1564
2-16-98 07:00	2.6	1593	1564
2-16-98 08:00	2.2	1552	1506
2-16-98 09:00	5.9	1123	1002
2-16-98 10:00	5.1	1011	1018
2-16-98 11:00	5.0	1040	1056
2-16-98 12:00	3.4	1360	1314
2-16-98 13:00	3.1	1786	1638
2-16-98 14:00	2.7	1763	1766
2-16-98 15:00	3.4	1817	1818
2-16-98 16:00	4.2	1935	1831
2-16-98 17:00	4.6	1378	1710
2-16-98 18:00	5.0	1253	1401
2-16-98 19:00	4.7	1518	1357
2-16-98 20:00	6.0	1810	1758

No TREATED WOOD
2-15

Koppers Industries
Tie Plant Road
Daily Summary

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FROM 01/01/98 00:00 TO 06/30/98 23:59

Date/ Time	Opacity %	Cell 1 F	Cell 2 F
12-16-98 21:00	16.6	2125	2023
12-16-98 22:00	5.7	1882	1530
12-16-98 23:00	4.3	1632	1589
12-17-98 00:00	5.9	1632	1558
12-17-98 01:00	6.0	1803	1802
12-17-98 02:00	4.9	1926	1850
12-17-98 03:00	6.5	1605	1630
12-17-98 04:00	8.5	1424	1340
12-17-98 05:00	4.0	1853	1871
12-17-98 06:00	4.4	1755	1717
12-17-98 07:00	5.9	1755	1899
12-17-98 08:00	5.1	1955	1953
12-17-98 09:00	5.0	1779	1623
12-17-98 10:00	5.6	1902	1717
12-17-98 11:00	5.6	1851	1895
12-17-98 12:00	5.6	1802	1771
12-17-98 13:00	7.3	1404	1641
12-17-98 14:00	4.8	1685	1881
12-17-98 15:00	4.0	1868	1834
12-17-98 16:00	4.2	1961	1940
12-17-98 17:00	4.7	1739	1706
12-17-98 18:00	7.2	654	622
12-17-98 19:00	2.5	437	429
12-17-98 20:00	6.3	400	380
12-17-98 21:00	1.9	357	372
12-17-98 22:00	7.8	460	478
12-17-98 23:00	17.5	1314	1234
12-18-98 00:00	4.5	1489	1498
12-18-98 01:00	3.3	1341	1516
12-18-98 02:00	3.7	1720	1769
12-18-98 03:00	4.4	1574	1807
12-18-98 04:00	4.5	1746	1798
12-18-98 05:00	3.3	1752	1734
12-18-98 06:00	2.8	1175	1076
12-18-98 07:00	18.9	678	689
12-18-98 08:00	7.3	1727	1595
12-18-98 09:00	4.1	1925	1758
12-18-98 10:00	4.2	1919	1895
12-18-98 11:00	5.8	1775	2010
12-18-98 12:00	6.5	1716	1762
12-18-98 13:00	5.1	1408	1838
12-18-98 14:00	4.4	1720	1918
12-18-98 15:00	4.7	1710	1661
12-18-98 16:00	5.2	1742	1860
12-18-98 17:00	4.2	1591	1838

Koppers Industries
Tie Plant Road
Daily Summary

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FROM 01/01/98 00:00 TO 06/30/98 23:59

Date/ Time	Opacity	Cell 1	Cell 2
	%	F	F
1-18-98 18:00	4.1	1613	1771
1-18-98 19:00	6.0	1375	1723
1-18-98 20:00	5.4	1354	1194
1-18-98 21:00	4.3	1613	1938
1-18-98 22:00	4.1	1353	1269
1-18-98 23:00	4.9	1296	1183
1-19-98 00:00	4.5	1441	1568
1-19-98 01:00	3.3	1184	1252
1-19-98 02:00	4.4	463	489
1-19-98 03:00	10.2	373	376
1-19-98 04:00	5.9	1056	1500
1-19-98 05:00	2.6	1081	1548
1-19-98 06:00	4.3	1620	1887
1-19-98 07:00	3.6	1605	1673
1-19-98 08:00	2.8	1364	1416
1-19-98 09:00	3.0	1619	1941
1-19-98 10:00	5.2	1706	1876
1-19-98 11:00	4.1	1719	1755
1-19-98 12:00	3.8	1743	1689
1-19-98 13:00	5.5	1399	1241
1-19-98 14:00	9.3	1076	1220
1-19-98 15:00	3.6	1392	1353
1-19-98 16:00	4.8	1210	1298
1-19-98 17:00	4.1	1609	1592
1-19-98 18:00	3.4	1632	1573
1-19-98 19:00	4.0	1298	1527
1-19-98 20:00	7.8	932	794
1-19-98 21:00	5.6	1289	1179
1-19-98 22:00	3.5	1566	1773
1-19-98 23:00	2.7	1611	1592
1-20-98 00:00	4.1	1526	1413
1-20-98 01:00	3.3	1652	1551
1-20-98 02:00	2.5	1739	1788
1-20-98 03:00	5.4	1418	1596
1-20-98 04:00	8.7	1395	1364
1-20-98 05:00	19.1	1787	1738
1-20-98 06:00	2.8	1662	1605
1-20-98 07:00	5.9	1167	1110
1-20-98 08:00	4.7	1284	1374
1-20-98 09:00	3.6	1483	1663
1-20-98 10:00	3.0	1369	1540
1-20-98 11:00	3.9	1250	1269
1-20-98 12:00	6.8	1253	1184
1-20-98 13:00	7.4	1107	1428
1-20-98 14:00	6.5	1254	1297

NO TREATED WOOD BURNED

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Koppers Industries
Tie Plant Road
Daily Summary

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FROM 01/01/98 00:00 TO 06/30/98 23:59

Date/ Time	Opacity %	Cell 1	Cell 2
		F	F
2-20-98 15:00	2.9	1447	1521
2-20-98 16:00	4.0	1499	1445
2-20-98 17:00	5.1	1242	1205
2-20-98 18:00	4.1	1189	1261
2-20-98 19:00	6.5	826	1255
2-20-98 20:00	6.7	1142	1087
2-20-98 21:00	3.3	1143	1240
2-20-98 22:00	2.8	1186	1193
2-20-98 23:00	5.6	883	574
2-21-98 00:00	4.9	1320	1188
2-21-98 01:00	4.2	1286	1221
2-21-98 02:00	4.0	1345	1231
2-21-98 03:00	6.5	1246	1121
2-21-98 04:00	4.2	1233	1159
2-21-98 05:00	3.0	1457	1475
2-21-98 06:00	3.2	1299	1361
2-21-98 07:00	4.8	1237	1204
2-21-98 08:00	5.2	1125	1005
2-21-98 09:00	4.5	1205	1266
2-21-98 10:00	4.1	1491	1709
2-21-98 11:00	3.8	1518	1621
2-21-98 12:00	4.8	1470	1428
2-21-98 13:00	5.9	1433	1510
2-21-98 14:00	4.8	1357	1359
2-21-98 15:00	4.3	1353	1295
2-21-98 16:00	3.8	1044	1221
2-21-98 17:00	3.9	1164	1175
2-21-98 18:00	4.1	1277	1148
2-21-98 19:00	6.8	1358	1303
2-21-98 20:00	5.6	1182	1342
2-21-98 21:00	4.9	1276	1139
2-21-98 22:00	5.4	1317	1185
2-21-98 23:00	5.5	1293	1184
2-22-98 00:00	6.3	1416	1402
2-22-98 01:00	5.7	1431	1378
2-22-98 02:00	5.6	1366	1326
2-22-98 03:00	8.1	1058	1313
2-22-98 04:00	12.6	1147	1071
2-22-98 05:00	20.3	1077	1206
2-22-98 06:00	4.6	1299	1285
2-22-98 07:00	4.6	1263	1288
2-22-98 08:00	4.8	1226	1428
2-22-98 09:00	4.2	1187	1349
2-22-98 10:00	13.1	1339	1353
2-22-98 11:00	5.2	1481	1360

Koppers Industries
Tie Plant Road
Daily Summary

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FROM 01/01/98 00:00 TO 06/30/98 23:59

Date/ Time	Opacity %	Cell 1 F	Cell 2 F
2-22-98 12:00	6.8	1306	1453
2-22-98 13:00	5.1	1365	1411
2-22-98 14:00	5.0	1261	1311
2-22-98 15:00	5.3	1368	1217
2-22-98 16:00	5.1	1234	1272
2-22-98 17:00	5.5	1245	1304
2-22-98 18:00	5.5	1180	1296
2-22-98 19:00	5.6	1059	1205
2-22-98 20:00	4.7	494	489
2-22-98 21:00	2.4	328	334
2-22-98 22:00	1.9	284	294
2-22-98 23:00	1.8	277	291
2-23-98 00:00	10.4	1169	1284
2-23-98 01:00	6.7	1131	1165
2-23-98 02:00	6.8	1291	1063
2-23-98 03:00	7.0	1119	986
2-23-98 04:00	9.1	1047	1006
2-23-98 05:00	7.2	994	950
2-23-98 06:00	7.6	986	925
2-23-98 07:00	9.0	894	981
2-23-98 08:00	7.3	1097	1009
2-23-98 09:00	6.0	1163	1064
2-23-98 10:00	6.3	1137	1048
2-23-98 11:00	6.0	1070	1089
2-23-98 12:00	6.1	1115	1230
2-23-98 13:00	6.5	1333	1263
2-23-98 14:00	6.6	1507	1395
2-23-98 15:00	5.5	1364	1593
2-23-98 16:00	5.5	1301	1425
2-23-98 17:00	5.3	1389	1313
2-23-98 18:00	5.2	1385	1336
2-23-98 19:00	5.7	1429	1330
2-23-98 20:00	5.5	1441	1397
2-23-98 21:00	4.9	1270	1303
2-23-98 22:00	5.6	1097	1338
2-23-98 23:00	6.9	1023	1257
2-24-98 00:00	4.5	1295	1144
2-24-98 01:00	5.0	1272	1162
2-24-98 02:00	5.4	1250	1026
2-24-98 03:00	8.4	1024	1138
2-24-98 04:00	9.4	987	999
2-24-98 05:00	8.5	1079	1235
2-24-98 06:00	5.0	1322	1357
2-24-98 07:00	5.1	1305	1243
2-24-98 08:00	5.6	1229	1081

NO TREATED WOOD BURNED



Koppers Industries
Tie Plant Road
Daily Summary

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FROM 01/01/98 00:00 TO 06/30/98 23:59

Date/ Time	Opacity %	Cell 1 F	Cell 2 F
1-24-98 09:00	7.2	1248	1083
1-24-98 10:00	7.0	1459	1629
1-24-98 11:00	6.1	1839	1839
1-24-98 12:00	6.0	1921	1809
1-24-98 13:00	7.8	1626	1834
1-24-98 14:00	7.5	1933	1865
1-24-98 15:00	6.6	2038	1991
1-24-98 16:00	6.8	2137	1868
1-24-98 17:00	7.1	2077	1969
1-24-98 18:00	6.4	1965	2020
1-24-98 19:00	6.8	1827	1891
1-24-98 20:00	9.7	1048	1655
1-24-98 21:00	7.0	1450	1354
1-24-98 22:00	4.8	1210	1541
1-24-98 23:00	4.5	1243	1426
1-25-98 00:00	9.3	1911	2050
1-25-98 01:00	6.7	1942	1899
1-25-98 02:00	8.5	1828	1992
1-25-98 03:00	8.1	1517	1850
1-25-98 04:00	9.8	1567	1400
1-25-98 05:00	6.9	1759	1670
1-25-98 06:00	6.9	1762	1628
1-25-98 07:00	6.7	1829	1682
1-25-98 08:00	7.4	1702	1623
1-25-98 09:00	7.6	1763	1536
1-25-98 10:00	7.6	1749	1671
1-25-98 11:00	8.0	1754	1752
1-25-98 12:00	7.7	1652	1855
1-25-98 13:00	7.7	1904	1829
1-25-98 14:00	7.8	1891	1849
1-25-98 15:00	8.1	2011	1939
1-25-98 16:00	7.0	1897	1895
1-25-98 17:00	7.1	1870	2002
1-25-98 18:00	6.7	1804	1805
1-25-98 19:00	6.7	1657	1654
1-25-98 20:00	6.5	1189	1440
1-25-98 21:00	5.9	1399	1304
1-25-98 22:00	6.8	1506	1279
1-25-98 23:00	8.7	1283	1177
1-26-98 00:00	14.0	1268	1163
1-26-98 01:00	7.9	1505	1504
1-26-98 02:00	8.6	1420	1671
1-26-98 03:00	8.3	1431	1755
1-26-98 04:00	17.7	1628	1909
1-26-98 05:00	5.9	1715	1688

Koppers Industries
Tie Plant Road
Daily Summary

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FROM 01/01/98 00:00 TO 06/30/98 23:59

Date/ Time	Opacity %	Cell 1 F	Cell 2 F
06-26-98 06:00	6.5	1598	1696
06-26-98 07:00	6.5	1515	1870
06-26-98 08:00	6.9	1734	1810
06-26-98 09:00	6.8	1761	1782
06-26-98 10:00	10.3	1666	1804
06-26-98 11:00	6.7	1589	2034
06-26-98 12:00	8.5	1501	1769
06-26-98 13:00	7.9	1291	1370
06-26-98 14:00	7.3	1370	1311
06-26-98 15:00	6.3	1344	1332
06-26-98 16:00	5.9	1126	1166
06-26-98 17:00	6.7	1133	704
06-26-98 18:00	6.0	1130	640
06-26-98 19:00	6.2	1088	611
06-26-98 20:00	11.1	1032	1110
06-26-98 21:00	7.5	1627	1530
06-26-98 22:00	6.9	1783	1700
06-26-98 23:00	6.9	1858	1837
06-27-98 00:00	7.4	1853	1784
06-27-98 01:00	6.3	1863	1784
06-27-98 02:00	6.3	1791	1667
06-27-98 03:00	7.0	1469	1664
06-27-98 04:00	11.3	1523	1617
06-27-98 05:00	7.2	1820	1598
06-27-98 06:00	6.9	1752	1605
06-27-98 07:00	7.4	1865	1619
06-27-98 08:00	8.3	1724	1590
06-27-98 09:00	8.1	1802	1789
06-27-98 10:00	9.1	1724	1831
06-27-98 11:00	5.6	1271	1256
06-27-98 12:00	9.2	1045	1120
06-27-98 13:00	6.9	1241	1121
06-27-98 14:00	7.3	1170	1069
06-27-98 15:00	9.0	1413	1374
06-27-98 16:00	7.7	1612	1516
06-27-98 17:00	7.4	1523	1469
06-27-98 18:00	7.0	1344	1361
06-27-98 19:00	6.8	1416	1451
06-27-98 20:00	8.4	1211	1395
06-27-98 21:00	8.1	1285	1521
06-27-98 22:00	7.1	1373	1720
06-27-98 23:00	7.3	1233	1341
06-28-98 00:00	6.7	1683	1672
06-28-98 01:00	7.6	1559	1654
06-28-98 02:00	6.4	1282	1444

Koppers Industries
Tie Plant Road
Daily Summary

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FROM 01/01/98 00:00 TO 06/30/98 23:59

Date/ Time	Opacity %	Cell 1 F	Cell 2 F
1-28-98 03:00	7.8	1411	1562
1-28-98 04:00	7.6	1404	1647
1-28-98 05:00	12.1	1458	1697
1-28-98 06:00	6.6	1066	1201
1-28-98 07:00	15.0	626	649
1-28-98 08:00	7.0	319	323
1-28-98 09:00	5.1	278	278
1-28-98 10:00	4.3	261	259
1-28-98 11:00	3.8	249	247
1-28-98 12:00	3.7	247	239
1-28-98 13:00	3.0	231	232
1-28-98 14:00	2.7	227	226
1-28-98 15:00	2.7	218	222
1-28-98 16:00	2.5	210	218
1-28-98 17:00	2.3	205	213
1-28-98 18:00	2.1	201	209
1-28-98 19:00	2.1	193	205
1-28-98 20:00	2.1	189	202
1-28-98 21:00	2.0	186	200
1-28-98 22:00	1.9	183	199
1-28-98 23:00	1.9	181	198
1-01-98 00:00	1.8	180	196
1-01-98 01:00	1.8	177	194
1-01-98 02:00	1.8	176	192
1-01-98 03:00	1.8	174	191
1-01-98 04:00	1.9	175	193
1-01-98 05:00	1.9	191	209
1-01-98 06:00	1.6	192	212
1-01-98 07:00	2.2	193	213
1-01-98 08:00	4.3	192	213
1-01-98 09:00	7.6	192	213
1-01-98 10:00	1.7	191	212
1-01-98 11:00	1.4	191	212
1-01-98 12:00	1.4	190	211
1-01-98 13:00	1.4	189	211
1-01-98 14:00	1.4	188	210
1-01-98 15:00	1.4	188	210
1-01-98 16:00	1.4	188	210
1-01-98 17:00	1.3	187	210
1-01-98 18:00	1.3	186	209
1-01-98 19:00	1.3	185	208
1-01-98 20:00	1.3	183	207
1-01-98 21:00	1.2	182	206
1-01-98 22:00	1.2	181	205
1-01-98 23:00	1.2	181	204

NO TREATED WOOD



Koppers Industries
Tie Plant Road
Daily Summary

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FROM 01/01/98 00:00 TO 06/30/98 23:59

Date/ Time	Opacity %	Cell 1 F	Cell 2 F
1-02-98 00:00	1.2	180	204
1-02-98 01:00	1.2	179	203
1-02-98 02:00	1.2	178	202
1-02-98 03:00	1.2	178	202
1-02-98 04:00	20.2	483	558
1-02-98 05:00	6.6	1067	1137
1-02-98 06:00	5.4	979	944
1-02-98 07:00	8.7	771	799
1-02-98 08:00	9.0	771	804
1-02-98 09:00	22.4	957	1004
1-02-98 10:00	6.4	1553	1520
1-02-98 11:00	5.7	1756	1732
1-02-98 12:00	5.4	1839	1683
1-02-98 13:00	8.8	1716	1630
1-02-98 14:00	5.8	1625	1623
1-02-98 15:00	6.8	1979	1916
1-02-98 16:00	6.4	2014	1728
1-02-98 17:00	6.0	1833	1893
1-02-98 18:00	7.0	1707	1949
1-02-98 19:00	6.7	1495	1728
1-02-98 20:00	5.5	1723	1761
1-02-98 21:00	5.2	1788	1773
1-02-98 22:00	4.3	1738	1666
1-02-98 23:00	5.0	1501	1646
1-03-98 00:00	5.4	1576	1581
1-03-98 01:00	4.9	1371	1552
1-03-98 02:00	6.8	1313	1124
1-03-98 03:00	5.3	1424	1393
1-03-98 04:00	5.6	1398	1444
1-03-98 05:00	5.5	1499	1609
1-03-98 06:00	5.4	1469	1511
1-03-98 07:00	5.8	1342	1546
1-03-98 08:00	5.5	1422	1473
1-03-98 09:00	6.6	1368	1558
1-03-98 10:00	6.0	1455	1648
1-03-98 11:00	5.0	1249	1363
1-03-98 12:00	5.1	1174	1219
1-03-98 13:00	8.5	1173	1044
1-03-98 14:00	5.0	1389	1185
1-03-98 15:00	5.0	1409	1296
1-03-98 16:00	6.1	1456	1699
1-03-98 17:00	6.2	1801	1794
1-03-98 18:00	4.6	1467	1525
1-03-98 19:00	4.2	1343	1336
1-03-98 20:00	4.1	1222	1214

Koppers Industries
Tie Plant Road
Daily Summary

Page 34

FROM 01/01/98 00:00 TO 06/30/98 23:59

Date/ Time	Opacity %	Cell 1	Cell 2
		F	F
3-03-98 21:00	7.0	1215	947
3-03-98 22:00	6.2	1062	1148
3-03-98 23:00	4.0	970	1196
3-04-98 00:00	6.5	941	1238
3-04-98 01:00	5.6	1152	1097
3-04-98 02:00	4.9	1086	1116
3-04-98 03:00	5.9	1142	1167
3-04-98 04:00	11.9	1194	1253
3-04-98 05:00	5.0	1019	1229
3-04-98 06:00	4.6	1115	1351
3-04-98 07:00	5.0	1020	1264
3-04-98 08:00	5.2	1318	1204
3-04-98 09:00	5.6	1272	1265
3-04-98 10:00	6.0	1237	1448
3-04-98 11:00	5.3	1136	1384
3-04-98 12:00	5.3	1060	1312
3-04-98 13:00	5.1	1099	1147
3-04-98 14:00	5.9	1267	1213
3-04-98 15:00	5.2	1208	1252
3-04-98 16:00	5.0	1295	1222
3-04-98 17:00	5.3	1287	824
3-04-98 18:00	6.3	1356	1182
3-04-98 19:00	4.4	1267	1037
3-04-98 20:00	5.1	1077	1113
3-04-98 21:00	5.3	1025	1146
3-04-98 22:00	6.0	1353	1350
3-04-98 23:00	5.3	1307	1152
3-05-98 00:00	6.0	1210	1307
3-05-98 01:00	5.2	1317	1375
3-05-98 02:00	4.8	1105	1222
3-05-98 03:00	11.9	1009	1018
3-05-98 04:00	9.9	937	1079
3-05-98 05:00	8.0	951	1061
3-05-98 06:00	6.3	958	1046
3-05-98 07:00	5.7	828	1061
3-05-98 08:00	5.2	873	1134
3-05-98 09:00	4.7	997	1124
3-05-98 10:00	4.9	992	1105
3-05-98 11:00	5.1	1233	1192
3-05-98 12:00	4.6	1367	1257
3-05-98 13:00	4.4	1197	1073
3-05-98 14:00	4.9	1131	718
3-05-98 15:00	6.6	1045	1076
3-05-98 16:00	5.7	1135	1287
3-05-98 17:00	4.9	1124	1250

Koppers Industries
Tie Plant Road
Daily Summary

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FROM 01/01/98 00:00 TO 06/30/98 23:59

Date/ Time	Opacity %	Cell 1 F	Cell 2 F
5-05-98 18:00	4.8	1065	1188
5-05-98 19:00	5.6	962	1159
5-05-98 20:00	5.1	928	1149
5-05-98 21:00	4.9	983	1096
5-05-98 22:00	4.4	1113	1125
5-05-98 23:00	4.9	997	1028
6-06-98 00:00	5.3	1003	1026
6-06-98 01:00	4.8	1002	1025
6-06-98 02:00	5.2	1005	999
6-06-98 03:00	10.0	965	893
6-06-98 04:00	8.0	1035	914
6-06-98 05:00	5.5	1108	1068
6-06-98 06:00	5.4	1123	1066
6-06-98 07:00	5.1	985	1063
6-06-98 08:00	5.4	963	1008
6-06-98 09:00	6.3	1394	1334
6-06-98 10:00	4.8	1279	1285
6-06-98 11:00	4.6	1063	1133
6-06-98 12:00	9.9	1019	1084
6-06-98 13:00	5.8	1133	1237
6-06-98 14:00	5.2	957	1044
6-06-98 15:00	4.7	930	1063
6-06-98 16:00	4.8	950	1007
6-06-98 17:00	5.0	1045	1091
6-06-98 18:00	4.8	1050	1048
6-06-98 19:00	6.9	939	980
6-06-98 20:00	6.2	931	980
6-06-98 21:00	4.8	963	1035
6-06-98 22:00	5.1	1016	1102
6-06-98 23:00	5.0	1061	1122
7-07-98 00:00	5.1	1043	1118
7-07-98 01:00	5.1	995	1146
7-07-98 02:00	5.0	954	1139
7-07-98 03:00	4.8	1001	1032
7-07-98 04:00	5.3	986	994
7-07-98 05:00	7.2	856	1009
7-07-98 06:00	5.9	440	709
7-07-98 07:00	1.6	431	480
7-07-98 08:00	1.7	410	449
7-07-98 09:00	1.9	394	426
7-07-98 10:00	2.1	378	409
7-07-98 11:00	1.8	366	395
7-07-98 12:00	1.7	355	383
7-07-98 13:00	1.7	345	372
7-07-98 14:00	1.6	335	362

NO TREATED WOOD



Koppers Industries
Tie Plant Road
Daily Summary

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FROM 01/01/98 00:00 TO 06/30/98 23:59

Date/ Time	Opacity %	Cell 1 F	Cell 2 F
7-07-98 15:00	1.6	326	353
7-07-98 16:00	1.7	319	345
7-07-98 17:00	1.8	312	338
7-07-98 18:00	1.8	304	330
7-07-98 19:00	1.8	294	322
7-07-98 20:00	1.8	287	314
7-07-98 21:00	1.8	282	309
7-07-98 22:00	1.7	279	305
7-07-98 23:00	1.7	274	300
7-08-98 00:00	1.7	269	295
7-08-98 01:00	1.7	265	291
7-08-98 02:00	1.7	261	287
7-08-98 03:00	1.7	257	283
7-08-98 04:00	1.7	254	280
7-08-98 05:00	1.7	250	276
7-08-98 06:00	1.7	247	273
7-08-98 07:00	1.7	244	270
7-08-98 08:00	1.6	241	267
7-08-98 09:00	1.7	238	264
7-08-98 10:00	1.7	236	261
7-08-98 11:00	1.7	233	259
7-08-98 12:00	1.7	231	257
7-08-98 13:00	1.7	228	254
7-08-98 14:00	1.7	226	252
7-08-98 15:00	1.7	224	250
7-08-98 16:00	1.7	222	248
7-08-98 17:00	1.6	220	245
7-08-98 18:00	1.6	217	243
7-08-98 19:00	1.5	215	240
7-08-98 20:00	1.5	213	238
7-08-98 21:00	1.5	211	237
7-08-98 22:00	1.5	209	234
7-08-98 23:00	1.5	207	232
7-09-98 00:00	1.5	205	231
7-09-98 01:00	1.5	204	229
7-09-98 02:00	1.5	202	227
7-09-98 03:00	1.5	201	226
7-09-98 04:00	17.1	741	678
7-09-98 05:00	9.8	825	899
7-09-98 06:00	8.7	725	935
7-09-98 07:00	7.1	870	1031
7-09-98 08:00	6.6	962	1212
7-09-98 09:00	5.6	1057	1161
7-09-98 10:00	6.3	1212	1216
7-09-98 11:00	5.1	1293	1209

NO TREATED WOOD

Koppers Industries
Tie Plant Road
Daily Summary

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FROM 01/01/98 00:00 TO 06/30/98 23:59

Date/ Time	Opacity %	Cell 1 F	Cell 2 F
9-09-98 12:00	4.9	1281	1213
9-09-98 13:00	5.4	1263	1274
9-09-98 14:00	5.1	1473	1348
9-09-98 15:00	4.5	1683	1572
9-09-98 16:00	5.3	1675	1659
9-09-98 17:00	4.6	1535	1377
9-09-98 18:00	5.4	1608	1648
9-09-98 19:00	5.5	1662	1819
9-09-98 20:00	5.5	1449	1720
9-09-98 21:00	6.7	1462	1361
9-09-98 22:00	4.9	1487	1505
9-09-98 23:00	4.2	1582	1422
9-10-98 00:00	5.2	1415	1393
9-10-98 01:00	4.9	1271	1287
9-10-98 02:00	4.9	1230	1422
9-10-98 03:00	6.5	1178	1381
9-10-98 04:00	9.9	1683	1721
9-10-98 05:00	3.7	1868	1763
9-10-98 06:00	3.8	1853	1811
9-10-98 07:00	4.9	1773	1776
9-10-98 08:00	6.3	1727	1951
9-10-98 09:00	4.6	1575	1349
9-10-98 10:00	7.5	1659	1859
9-10-98 11:00	6.4	1689	1942
9-10-98 12:00	5.1	1647	1565
9-10-98 13:00	8.2	1402	1515
9-10-98 14:00	4.9	1759	1714
9-10-98 15:00	4.9	1659	1700
9-10-98 16:00	9.5	1065	1037
9-10-98 17:00	9.6	830	601
9-10-98 18:00	5.7	1329	1166
9-10-98 19:00	6.7	1095	995
9-10-98 20:00	4.6	1308	1307
9-10-98 21:00	6.6	1066	1049
9-10-98 22:00	6.4	1166	1117
9-10-98 23:00	3.7	1290	1429
9-11-98 00:00	4.2	1381	1446
9-11-98 01:00	3.6	1465	1275
9-11-98 02:00	3.6	1136	1221
9-11-98 03:00	3.9	1121	1344
9-11-98 04:00	5.8	1292	1058
9-11-98 05:00	6.9	1081	1358
9-11-98 06:00	4.1	1274	1529
9-11-98 07:00	5.6	1485	1744
9-11-98 08:00	5.0	1692	2028

Koppers Industries
Tie Plant Road
Daily Summary

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FROM 01/01/98 00:00 TO 06/30/98 23:59

Date/ Time	Opacity %	Cell 1 F	Cell 2 F
11-11-98 09:00	5.0	1637	1951
11-11-98 10:00	7.3	1740	1900
11-11-98 11:00	5.1	1757	1970
11-11-98 12:00	5.5	1697	1762
11-11-98 13:00	8.1	1399	1558
11-11-98 14:00	4.5	1748	1919
11-11-98 15:00	3.8	1740	1818
11-11-98 16:00	4.1	1745	1854
11-11-98 17:00	4.8	1672	2033
11-11-98 18:00	4.2	1771	1973
11-11-98 19:00	4.3	1617	1444
11-11-98 20:00	6.7	1297	1683
11-11-98 21:00	5.9	1879	1726
11-11-98 22:00	6.5	1419	1497
11-11-98 23:00	5.8	1207	1538
12-12-98 00:00	6.2	1769	1661
12-12-98 01:00	5.6	1646	1660
12-12-98 02:00	5.3	1606	1686
12-12-98 03:00	5.0	1702	1702
12-12-98 04:00	8.3	948	1390
12-12-98 05:00	7.2	1711	1541
12-12-98 06:00	3.5	1758	1769
12-12-98 07:00	3.6	1793	1829
12-12-98 08:00	3.3	1861	1842
12-12-98 09:00	3.4	1872	1768
12-12-98 10:00	3.1	1818	1762
12-12-98 11:00	4.1	1433	1213
12-12-98 12:00	4.7	1234	1440
12-12-98 13:00	4.0	1664	1586
12-12-98 14:00	3.8	1654	1879
12-12-98 15:00	3.5	1820	1785
12-12-98 16:00	3.6	1771	1777
12-12-98 17:00	3.6	1617	1613
12-12-98 18:00	3.3	1736	1729
12-12-98 19:00	4.8	1462	1773
12-12-98 20:00	6.3	1199	1447
12-12-98 21:00	4.4	1529	1658
12-12-98 22:00	4.0	1540	1978
12-12-98 23:00	4.5	1734	1858
13-12-98 00:00	4.3	1565	1594
13-12-98 01:00	4.0	1381	1618
13-12-98 02:00	3.2	1432	1755
13-12-98 03:00	2.8	1350	1608
13-12-98 04:00	6.1	1245	1314
13-12-98 05:00	8.5	1651	1499

Koppers Industries
Tie Plant Road
Daily Summary

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FROM 01/01/98 00:00 TO 06/30/98 23:59

Date/ Time	Opacity %	Cell 1 F	Cell 2 F
2-13-98 06:00	4.7	1762	1907
2-13-98 07:00	3.4	1896	1785
2-13-98 08:00	3.8	1932	1949
2-13-98 09:00	7.2	1922	1971
2-13-98 10:00	5.5	1652	1738
2-13-98 11:00	5.2	1751	1876
2-13-98 12:00	5.8	1463	1939
2-13-98 13:00	4.2	1880	1654
2-13-98 14:00	3.6	1823	1820
2-13-98 15:00	5.1	1564	1679
2-13-98 16:00	6.5	1729	1630
2-13-98 17:00	4.6	1725	1813
2-13-98 18:00	3.2	1828	1983
2-13-98 19:00	3.7	1753	1555
2-13-98 20:00	8.6	1379	1593
2-13-98 21:00	6.2	1587	1589
2-13-98 22:00	7.2	1789	1807
2-13-98 23:00	4.4	1757	1538
2-14-98 00:00	4.2	1611	1285
2-14-98 01:00	4.1	1576	1533
2-14-98 02:00	4.0	1919	1787
2-14-98 03:00	3.7	1909	1890
2-14-98 04:00	6.2	1485	1636
2-14-98 05:00	9.6	969	1021
2-14-98 06:00	7.8	1054	915
2-14-98 07:00	8.3	879	1163
2-14-98 08:00	3.6	470	504
2-14-98 09:00	1.5	495	508
2-14-98 10:00	1.4	468	476
2-14-98 11:00	1.5	444	450
2-14-98 12:00	1.5	424	430
2-14-98 13:00	1.5	408	414
2-14-98 14:00	1.5	393	400
2-14-98 15:00	1.4	380	388
2-14-98 16:00	1.5	369	377
2-14-98 17:00	1.5	358	366
2-14-98 18:00	1.4	347	356
2-14-98 19:00	1.5	337	347
2-14-98 20:00	1.5	328	338
2-14-98 21:00	1.4	319	330
2-14-98 22:00	1.4	311	323
2-14-98 23:00	1.4	304	316
2-15-98 00:00	2.1	297	310
2-15-98 01:00	1.4	291	304
2-15-98 02:00	1.4	285	298

NO TREATED WOOD BURNED

BOILER DOWN

Koppers Industries
Tie Plant Road
Daily Summary

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FROM 01/01/98 00:00 TO 06/30/98 23:59

Date/ Time	Opacity %	Cell 1 F	Cell 2 F
2-15-98 03:00	1.5	279	293
2-15-98 04:00	1.5	274	288
2-15-98 05:00	1.5	269	284
2-15-98 06:00	1.5	265	280
2-15-98 07:00	1.5	261	277
2-15-98 08:00	1.6	257	274
2-15-98 09:00	1.6	255	271
2-15-98 10:00	1.6	253	269
2-15-98 11:00	1.6	250	267
2-15-98 12:00	1.5	248	266
2-15-98 13:00	1.6	245	263
2-15-98 14:00	1.5	242	260
2-15-98 15:00	1.5	240	258
2-15-98 16:00	1.5	237	256
2-15-98 17:00	1.5	235	254
2-15-98 18:00	1.5	232	252
2-15-98 19:00	1.5	230	250
2-15-98 20:00	1.5	228	248
2-15-98 21:00	1.5	226	246
2-15-98 22:00	1.5	224	244
2-15-98 23:00	1.5	222	242
2-16-98 00:00	2.2	220	241
2-16-98 01:00	1.5	219	239
2-16-98 02:00	1.5	217	238
2-16-98 03:00	1.5	216	236
2-16-98 04:00	7.3	424	506
2-16-98 05:00	7.3	1072	1199
2-16-98 06:00	5.9	1112	1206
2-16-98 07:00	6.8	1006	1141
2-16-98 08:00	8.0	1032	1025
2-16-98 09:00	10.3	906	999
2-16-98 10:00	9.4	875	1031
2-16-98 11:00	7.1	1124	1131
2-16-98 12:00	4.3	1121	1581
2-16-98 13:00	4.9	1505	1450
2-16-98 14:00	4.0	1280	1530
2-16-98 15:00	4.1	1197	1233
2-16-98 16:00	5.6	1102	690
2-16-98 17:00	4.4	1318	831
2-16-98 18:00	3.9	1323	1137
2-16-98 19:00	4.0	1391	1227
2-16-98 20:00	11.7	1183	1232
2-16-98 21:00	9.3	1012	1082
2-16-98 22:00	6.0	1140	1294
2-16-98 23:00	5.3	1087	1005

BOILER DOWN

Koppers Industries
Tie Plant Road
Daily Summary

Page 41

FROM 01/01/98 00:00 TO 06/30/98 23:59

Date/ Time	Opacity %	Cell 1 F	Cell 2 F
7-17-98 00:00	8.7	1150	936
7-17-98 01:00	10.7	959	981
7-17-98 02:00	4.4	1335	1401
7-17-98 03:00	6.1	1003	1248
7-17-98 04:00	11.5	1275	1246
7-17-98 05:00	7.7	1231	1286
7-17-98 06:00	3.7	1142	1291
7-17-98 07:00	3.7	1075	1247
7-17-98 08:00	4.4	1217	1214
7-17-98 09:00	4.2	1287	1231
7-17-98 10:00	4.3	1233	1292
7-17-98 11:00	6.8	1055	1017
7-17-98 12:00	4.8	853	584
7-17-98 13:00	10.3	798	803
7-17-98 14:00	3.7	1383	1348
7-17-98 15:00	4.2	1376	1402
7-17-98 16:00	4.6	1149	1191
7-17-98 17:00	4.6	1076	1196
7-17-98 18:00	3.8	1107	1316
7-17-98 19:00	4.2	1080	1263
7-17-98 20:00	4.5	1109	1249
7-17-98 21:00	5.1	1158	1246
7-17-98 22:00	7.6	1071	1151
7-17-98 23:00	4.5	1148	1202
7-18-98 00:00	4.5	1212	1270
7-18-98 01:00	4.4	1292	1444
7-18-98 02:00	4.8	1235	1281
7-18-98 03:00	4.5	853	1257
7-18-98 04:00	7.3	774	1091
7-18-98 05:00	5.9	753	1088
7-18-98 06:00	6.1	748	1098
7-18-98 07:00	5.2	1016	1453
7-18-98 08:00	4.9	1455	1631
7-18-98 09:00	5.8	1365	1507
7-18-98 10:00	5.2	1427	1635
7-18-98 11:00	5.2	1399	1486
7-18-98 12:00	7.1	1018	1515
7-18-98 13:00	9.1	1077	1245
7-18-98 14:00	5.2	1335	1688
7-18-98 15:00	5.3	1279	1429
7-18-98 16:00	4.7	1412	1612
7-18-98 17:00	4.6	1366	1557
7-18-98 18:00	4.8	1437	1660
7-18-98 19:00	7.0	1248	1406
7-18-98 20:00	5.6	1392	1354

NO TREATED WOOD BURNED
3-17

Koppers Industries
Tie Plant Road
Daily Summary

Page 42

FROM 01/01/98 00:00 TO 06/30/98 23:59

Date/ Time	Opacity %	Cell 1 F	Cell 2 F
7-18-98 21:00	5.2	1291	1605
7-18-98 22:00	5.1	1449	1581
7-19-98 23:00	5.1	1371	1589
7-19-98 00:00	5.5	1451	1600
7-19-98 01:00	5.4	1357	1688
7-19-98 02:00	5.1	1337	1658
7-19-98 03:00	8.1	1242	1596
7-19-98 04:00	11.0	1244	1235
7-19-98 05:00	8.7	1323	1622
7-19-98 06:00	3.7	1378	1627
7-19-98 07:00	3.9	1419	1583
7-19-98 08:00	4.5	1404	1477
7-19-98 09:00	4.2	1277	1626
7-19-98 10:00	4.4	1252	1644
7-19-98 11:00	6.4	919	939
7-19-98 12:00	6.8	886	1072
7-19-98 13:00	6.5	999	1103
7-19-98 14:00	5.2	1174	1133
7-19-98 15:00	5.8	1027	1001
7-19-98 16:00	3.5	1265	1330
7-19-98 17:00	5.0	1243	1226
7-19-98 18:00	5.2	985	819
7-19-98 19:00	4.2	1116	1203
7-19-98 20:00	4.3	1192	1383
7-19-98 21:00	5.2	1193	1405
7-19-98 22:00	3.0	1447	1517
7-19-98 23:00	3.5	1342	1439
7-20-98 00:00	3.1	1284	1484
7-20-98 01:00	3.0	1220	1476
7-20-98 02:00	3.9	1279	1368
7-20-98 03:00	4.2	1183	1523
7-20-98 04:00	9.3	1317	1192
7-20-98 05:00	3.6	1375	1403
7-20-98 06:00	3.5	1540	1477
7-20-98 07:00	2.8	1544	1503
7-20-98 08:00	3.7	1512	1480
7-20-98 09:00	3.6	1348	1628
7-20-98 10:00	3.9	1091	1009
7-20-98 11:00	1.7	511	559
7-20-98 12:00	10.8	384	482
7-20-98 13:00	6.6	943	1367
7-20-98 14:00	4.4	983	1630
7-20-98 15:00	4.0	1058	1535
7-20-98 16:00	3.1	1108	1634
7-20-98 17:00	4.6	1231	1795

Koppers Industries
Tie Plant Road
Daily Summary

Page 43

FROM 01/01/98 00:00 TO 06/30/98 23:59

Date/ Time	Opacity %	Cell 1 F	Cell 2 F
3-20-98 18:00	5.1	1214	1916
3-20-98 19:00	4.2	1203	1888
3-20-98 20:00	6.3	889	1649
3-20-98 21:00	5.7	1099	1215
3-20-98 22:00	3.4	1320	1702
3-20-98 23:00	3.3	1264	1656
3-21-98 00:00	4.9	1131	1765
3-21-98 01:00	4.0	1207	1906
3-21-98 02:00	3.6	1196	1878
3-21-98 03:00	5.3	1061	1747
3-21-98 04:00	8.1	1063	1317
3-21-98 05:00	3.7	1185	1757
3-21-98 06:00	4.1	1431	1944
3-21-98 07:00	4.9	1296	1922
3-21-98 08:00	4.2	1103	1704
3-21-98 09:00	4.6	1147	1874
3-21-98 10:00	4.8	1134	1881
3-21-98 11:00	3.8	1134	1908
3-21-98 12:00	6.1	1068	1529
3-21-98 13:00	5.3	1449	1559
3-21-98 14:00	6.1	1151	1406
3-21-98 15:00	3.4	1394	1623
3-21-98 16:00	4.3	1348	1711
3-21-98 17:00	4.6	1315	1630
3-21-98 18:00	4.2	1307	1642
3-21-98 19:00	3.9	1270	1401
3-21-98 20:00	5.4	1210	1397
3-21-98 21:00	7.2	882	1491
3-21-98 22:00	4.6	1513	1353
3-21-98 23:00	3.0	1648	1772
3-22-98 00:00	3.4	1472	1786
3-22-98 01:00	4.0	1234	1645
3-22-98 02:00	3.9	1354	1692
3-22-98 03:00	3.6	1226	1577
3-22-98 04:00	4.3	1377	1572
3-22-98 05:00	4.8	1478	1595
3-22-98 06:00	3.1	1450	1625
3-22-98 07:00	2.8	1411	1591
3-22-98 08:00	4.0	1456	1627
3-22-98 09:00	5.5	1440	1874
3-22-98 10:00	4.1	1619	1882
3-22-98 11:00	4.0	1453	1716
3-22-98 12:00	3.3	1499	1706
3-22-98 13:00	4.2	1765	1951
3-22-98 14:00	5.0	1737	1656

NO TREATED WOOD BURNED
3-21 + 3-22

Koppers Industries
Tie Plant Road
Daily Summary

Page 44

FROM 01/01/98 00:00 TO 06/30/98 23:59

Date/ Time	Opacity %	Cell 1 F	Cell 2 F
3-22-98 15:00	3.5	1888	1896
3-22-98 16:00	2.6	1842	1933
3-22-98 17:00	3.0	1614	1960
3-22-98 18:00	3.8	1444	1951
3-22-98 19:00	5.6	1612	1599
3-22-98 20:00	3.7	1681	1752
3-22-98 21:00	2.3	1828	1913
3-22-98 22:00	2.3	1946	1861
3-22-98 23:00	2.6	1894	1851
3-23-98 00:00	3.7	1675	1833
3-23-98 01:00	2.7	1804	1923
3-23-98 02:00	2.1	1821	1950
3-23-98 03:00	3.0	1478	1863
3-23-98 04:00	6.5	1753	1794
3-23-98 05:00	5.8	1755	1792
3-23-98 06:00	3.3	1594	1925
3-23-98 07:00	2.9	1750	1955
3-23-98 08:00	3.1	1588	1674
3-23-98 09:00	4.0	1478	1571
3-23-98 10:00	4.2	1379	1486
3-23-98 11:00	3.3	1371	1496
3-23-98 12:00	4.1	1236	1384
3-23-98 13:00	4.4	1463	1376
3-23-98 14:00	4.2	1586	1478
3-23-98 15:00	4.0	1487	1346
3-23-98 16:00	4.2	1400	1190
3-23-98 17:00	4.3	1462	1159
3-23-98 18:00	4.2	1530	1488
3-23-98 19:00	4.7	1328	1385
3-23-98 20:00	4.1	1503	1342
3-23-98 21:00	4.4	1347	1265
3-23-98 22:00	4.5	1394	1422
3-23-98 23:00	4.4	1311	1298
3-24-98 00:00	5.5	1235	1185
3-24-98 01:00	6.2	1290	1012
3-24-98 02:00	5.8	1124	1087
3-24-98 03:00	6.3	1099	1231
3-24-98 04:00	5.1	1250	1081
3-24-98 05:00	5.0	1172	1036
3-24-98 06:00	6.1	1117	998
3-24-98 07:00	5.8	1193	1068
3-24-98 08:00	4.2	1164	1164
3-24-98 09:00	5.1	1081	1065
3-24-98 10:00	7.4	874	765
3-24-98 11:00	9.1	863	809

NO TREATED WOOD BURNED
3-21 & 3-22

NO TREATED WOOD BURNED
3-24 & 3-25 + 3-26

Koppers Industries
Tie Plant Road
Daily Summary

Page 45

FROM 01/01/98 00:00 TO 06/30/98 23:59

Date/ Time	Opacity %	Cell 1 F	Cell 2 F
3-24-98 12:00	6.2	930	1009
3-24-98 13:00	5.4	1018	1032
3-24-98 14:00	4.2	1137	1095
3-24-98 15:00	4.3	1113	1208
3-24-98 16:00	3.8	1193	1333
3-24-98 17:00	3.2	1203	1391
3-24-98 18:00	3.3	1319	1551
3-24-98 19:00	6.4	1113	1131
3-24-98 20:00	4.4	1122	1156
3-24-98 21:00	5.0	966	1030
3-24-98 22:00	4.4	1133	1082
3-24-98 23:00	3.5	1367	1144
3-25-98 00:00	4.3	1246	1135
3-25-98 01:00	3.5	1400	1164
3-25-98 02:00	4.4	1299	1088
3-25-98 03:00	4.1	1236	1181
3-25-98 04:00	9.4	1353	1202
3-25-98 05:00	4.3	1240	1097
3-25-98 06:00	4.3	1376	1432
3-25-98 07:00	2.5	1709	1673
3-25-98 08:00	3.1	1794	1542
3-25-98 09:00	3.3	1744	1630
3-25-98 10:00	2.8	1728	1654
3-25-98 11:00	4.3	1454	1236
3-25-98 12:00	7.5	1012	1099
3-25-98 13:00	4.2	1526	1286
3-25-98 14:00	3.2	1585	1383
3-25-98 15:00	3.1	1523	1383
3-25-98 16:00	3.3	1730	1556
3-25-98 17:00	3.3	1491	1280
3-25-98 18:00	2.6	1359	1301
3-25-98 19:00	6.9	1100	999
3-25-98 20:00	4.4	1426	1172
3-25-98 21:00	4.0	1395	1186
3-25-98 22:00	3.8	1265	1286
3-25-98 23:00	2.7	1445	1337
3-26-98 00:00	4.0	1590	1286
3-26-98 01:00	4.6	1291	1177
3-26-98 02:00	6.0	1108	1046
3-26-98 03:00	5.8	1035	1134
3-26-98 04:00	6.9	757	609
3-26-98 05:00	4.9	1581	1295
3-26-98 06:00	6.5	1810	1527
3-26-98 07:00	3.0	1796	1314
3-26-98 08:00	4.3	1652	1015

NO TREATED WOOD BURNED
3-24 + 3-25 + 3-26

Koppers Industries
Tie Plant Road
Daily Summary

Page 46

FROM 01/01/98 00:00 TO 06/30/98 23:59

Date/ Time	Opacity %	Cell 1 F	Cell 2 F
12-26-98 09:00	4.2	1597	924
12-26-98 10:00	5.4	1200	701
12-26-98 11:00	4.8	1487	1199
12-26-98 12:00	3.8	1553	1101
12-26-98 13:00	3.6	1714	1612
12-26-98 14:00	4.3	1801	1651
12-26-98 15:00	3.3	1747	1666
12-26-98 16:00	3.5	1602	1516
12-26-98 17:00	3.5	1352	1476
12-26-98 18:00	3.6	1649	1897
12-26-98 19:00	4.7	1254	1526
12-26-98 20:00	6.5	1467	1469
12-26-98 21:00	3.5	1781	1770
12-26-98 22:00	3.6	1597	1083
12-26-98 23:00	3.7	1709	1616
12-27-98 00:00	11.1	607	552
12-27-98 01:00	13.9	508	424
12-27-98 02:00	10.4	642	494
12-27-98 03:00	4.4	1632	1461
12-27-98 04:00	3.4	1549	1659
12-27-98 05:00	3.1	1640	1784
12-27-98 06:00	4.4	1715	1927
12-27-98 07:00	3.3	1694	1938
12-27-98 08:00	3.5	1726	1907
12-27-98 09:00	4.6	1877	1918
12-27-98 10:00	5.5	1887	1924
12-27-98 11:00	4.6	1790	1990
12-27-98 12:00	4.8	1587	1684
12-27-98 13:00	4.7	1726	1762
12-27-98 14:00	3.9	1796	1898
12-27-98 15:00	4.8	1688	1724
12-27-98 16:00	4.4	1880	1923
12-27-98 17:00	4.8	1888	1964
12-27-98 18:00	4.9	1618	1988
12-27-98 19:00	10.5	1175	1099
12-27-98 20:00	6.2	1666	1979
12-27-98 21:00	4.3	1680	1874
12-27-98 22:00	4.5	1733	2061
12-27-98 23:00	3.9	1835	1964
12-28-98 00:00	4.6	1584	1902
12-28-98 01:00	3.8	1648	2019
12-28-98 02:00	3.7	1617	1893
12-28-98 03:00	6.1	1468	1504
12-28-98 04:00	4.5	1847	1665
12-28-98 05:00	18.0	1880	1896

Koppers Industries
Tie Plant Road
Daily Summary

Page 47

FROM 01/01/98 00:00 TO 06/30/98 23:59

Date/ Time	Opacity %	Cell 1 F	Cell 2 F
8-28-98 06:00	5.4	1874	1915
8-28-98 07:00	4.2	1743	2022
8-28-98 08:00	4.7	1568	2076
8-28-98 09:00	3.8	1684	1666
8-28-98 10:00	4.1	1745	2060
8-28-98 11:00	4.9	1546	2059
8-28-98 12:00	5.4	1461	1548
8-28-98 13:00	4.3	1521	1813
8-28-98 14:00	3.5	1600	1863
8-28-98 15:00	3.2	1561	1513
8-28-98 16:00	3.3	1517	1104
8-28-98 17:00	3.6	1617	1797
8-28-98 18:00	3.1	1694	2004
8-28-98 19:00	3.3	1422	2019
8-28-98 20:00	4.1	1516	1615
8-28-98 21:00	3.5	1570	1697
8-28-98 22:00	3.3	1442	1976
8-28-98 23:00	2.8	1683	2046
8-29-98 00:00	4.6	1567	1504
8-29-98 01:00	5.8	1382	1293
8-29-98 02:00	2.7	1709	1714
8-29-98 03:00	3.9	1422	1628
8-29-98 04:00	6.3	1427	1397
8-29-98 05:00	2.3	1517	1624
8-29-98 06:00	3.3	1682	1879
8-29-98 07:00	2.6	1631	1962
8-29-98 08:00	3.8	1349	1554
8-29-98 09:00	4.0	1568	1923
8-29-98 10:00	2.8	1662	1935
8-29-98 11:00	3.8	1664	1970
8-29-98 12:00	3.1	1679	1965
8-29-98 13:00	3.3	1468	1796
8-29-98 14:00	4.1	1608	1667
8-29-98 15:00	3.3	1312	1494
8-29-98 16:00	3.8	1402	1613
8-29-98 17:00	4.4	1390	1746
8-29-98 18:00	3.8	1336	1625
8-29-98 19:00	3.4	1323	1482
8-29-98 20:00	4.3	1605	1644
8-29-98 21:00	4.4	1429	1563
8-29-98 22:00	4.2	1226	1406
8-29-98 23:00	8.6	996	1050
8-30-98 00:00	5.4	1409	1340
8-30-98 01:00	4.6	1418	1405
8-30-98 02:00	3.0	1192	1351

Koppers Industries
Tie Plant Road
Daily Summary

Page 48

FROM 01/01/98 00:00 TO 06/30/98 23:59

Date/ Time	Opacity	Cell 1	Cell 2
	%	F	F
1-30-98 03:00	3.6	1360	1592
1-30-98 04:00	4.6	1472	1503
1-30-98 05:00	3.9	1603	1711
1-30-98 06:00	3.9	1414	1676
1-30-98 07:00	4.1	1509	1754
1-30-98 08:00	3.8	1553	1800
1-30-98 09:00	4.1	1337	1459
1-30-98 10:00	4.9	1547	1579
1-30-98 11:00	3.9	1590	1720
1-30-98 12:00	4.5	1299	1695
1-30-98 13:00	3.6	1564	1759
1-30-98 14:00	3.6	1438	1788
1-30-98 15:00	3.6	1785	1972
1-30-98 16:00	3.6	1650	1979
1-30-98 17:00	3.7	1549	2130
1-30-98 18:00	3.4	1646	2027
1-30-98 19:00	4.4	1255	1873
1-30-98 20:00	11.3	1000	1176
1-30-98 21:00	3.6	1483	1859
1-30-98 22:00	3.5	1569	1691
1-30-98 23:00	4.0	1513	1824
1-31-98 00:00	4.1	1663	1851
1-31-98 01:00	3.8	1606	1980
1-31-98 02:00	4.4	1561	1725
1-31-98 03:00	4.5	1319	1604
1-31-98 04:00	13.1	1536	1946
1-31-98 05:00	4.4	1425	1832
1-31-98 06:00	4.1	1497	1958
1-31-98 07:00	3.5	1474	1987
1-31-98 08:00	4.3	1521	1848
1-31-98 09:00	3.8	1530	1953
1-31-98 10:00	3.1	1646	1870
1-31-98 11:00	5.5	1685	1761
1-31-98 12:00	10.6	1177	1521
1-31-98 13:00	3.4	1695	1725
1-31-98 14:00	3.4	1496	1773
1-31-98 15:00	3.3	1544	1843
1-31-98 16:00	3.0	1544	1897
1-31-98 17:00	2.8	1671	1884
1-31-98 18:00	3.8	1422	1911
1-31-98 19:00	5.6	1350	1451
1-31-98 20:00	3.3	1375	1733
1-31-98 21:00	2.5	1601	1922
1-31-98 22:00	4.2	1421	1557
1-31-98 23:00	4.4	1466	1725

Koppers Industries
Tie Plant Road
Daily Summary

Page 49

FROM 01/01/98 00:00 TO 06/30/98 23:59

Date/ Time	Opacity %	Cell 1 F	Cell 2 F
1-01-98 00:00	3.6	1581	2005
1-01-98 01:00	2.2	1583	1891
1-01-98 02:00	2.6	1565	1873
1-01-98 03:00	4.4	1219	1926
1-01-98 04:00	6.6	1462	1520
1-01-98 05:00	3.8	1564	1800
1-01-98 06:00	3.8	1606	1966
1-01-98 07:00	4.0	1711	1977
1-01-98 08:00	3.4	1670	1878
1-01-98 09:00	4.6	1657	1932
1-01-98 10:00	3.8	1766	2050
1-01-98 11:00	3.7	1695	1960
1-01-98 12:00	5.8	1370	1587
1-01-98 13:00	4.7	1642	2052
1-01-98 14:00	3.4	1754	1934
1-01-98 15:00	4.0	1696	1915
1-01-98 16:00	3.5	1711	2034
1-01-98 17:00	2.7	1742	1981
1-01-98 18:00	3.5	1633	1861
1-01-98 19:00	4.5	1555	1520
1-01-98 20:00	3.2	1772	1859
1-01-98 21:00	2.7	1845	1846
1-01-98 22:00	3.5	1832	1825
1-01-98 23:00	5.7	1613	1507
1-02-98 00:00	3.0	1656	1863
1-02-98 01:00	3.5	1589	1885
1-02-98 02:00	3.2	1608	1927
1-02-98 03:00	3.8	1339	1545
1-02-98 04:00	10.2	1343	1490
1-02-98 05:00	3.3	1495	1868
1-02-98 06:00	2.7	1662	1959
1-02-98 07:00	3.3	1761	1899
1-02-98 08:00	3.6	1635	1853
1-02-98 09:00	3.3	1708	1996
1-02-98 10:00	3.1	1714	1973
1-02-98 11:00	3.6	1662	2068
1-02-98 12:00	3.4	1440	1747
1-02-98 13:00	3.5	1760	1876
1-02-98 14:00	3.3	1730	1929
1-02-98 15:00	2.8	1680	1984
1-02-98 16:00	2.5	1728	1948
1-02-98 17:00	3.1	1745	1881
1-02-98 18:00	3.4	1534	1870
1-02-98 19:00	2.8	1597	1745
1-02-98 20:00	3.3	1761	1849

NO TREATED WOOD BURNED
4-2 TO 4-7

Koppers Industries
Tie Plant Road
Daily Summary

Page 50

FROM 01/01/98 00:00 TO 06/30/98 23:59

Date/Time	Opacity %	Cell 1 F	Cell 2 F
1-02-98 21:00	2.7	1681	1966
1-02-98 22:00	3.4	1638	1970
1-02-98 23:00	3.3	1754	1963
1-03-98 00:00	3.7	1752	1958
1-03-98 01:00	7.1	1775	1943
1-03-98 02:00	3.5	1700	2006
1-03-98 03:00	3.8	1661	1988
1-03-98 04:00	5.8	1330	1731
1-03-98 05:00	7.8	1480	1946
1-03-98 06:00	4.0	1611	1980
1-03-98 07:00	4.9	1583	2051
1-03-98 08:00	3.7	1706	2046
1-03-98 09:00	4.2	1680	2005
1-03-98 10:00	4.1	1751	2006
1-03-98 11:00	3.8	1712	1943
1-03-98 12:00	7.3	1341	1392
1-03-98 13:00	4.4	1536	1997
1-03-98 14:00	3.6	1723	1996
1-03-98 15:00	4.0	1686	2071
1-03-98 16:00	3.4	1642	2083
1-03-98 17:00	3.3	1753	2024
1-03-98 18:00	3.4	1631	1996
1-03-98 19:00	3.8	1495	1776
1-03-98 20:00	3.4	1520	1857
1-03-98 21:00	3.2	1544	1976
1-03-98 22:00	2.7	1591	1991
1-03-98 23:00	3.6	1738	1926
1-04-98 00:00	4.0	1649	1773
1-04-98 01:00	3.5	1808	1744
1-04-98 02:00	4.4	1658	1865
1-04-98 03:00	3.6	1630	1951
1-04-98 04:00	4.9	1329	1576
1-04-98 05:00	4.8	1409	1735
1-04-98 06:00	4.1	1548	1962
1-04-98 07:00	2.5	1626	1973
1-04-98 08:00	8.0	1671	1957
1-04-98 09:00	4.0	1655	1874
1-04-98 10:00	3.6	1543	1780
1-04-98 11:00	4.0	1398	1671
1-04-98 12:00	4.2	1434	1669
1-04-98 13:00	4.1	1557	1796
1-04-98 14:00	2.8	1693	1965
1-04-98 15:00	3.8	1580	1826
1-04-98 16:00	3.7	1763	1850
1-04-98 17:00	2.8	1707	1869

NO TREATED WOOD BURNED

Koppers Industries
Tie Plant Road
Daily Summary

Page 51

FROM 01/01/98 00:00 TO 06/30/98 23:59

Date/ Time	Opacity %	Cell 1 F	Cell 2 F
4-04-98 18:00	4.9	1482	1710
4-04-98 19:00	3.3	1659	1849
4-04-98 20:00	2.7	1624	1878
4-04-98 21:00	3.9	1629	1833
4-04-98 22:00	3.1	1693	1885
4-04-98 23:00	3.3	1673	1816
4-05-98 00:00	4.4	1620	1900
4-05-98 01:00	3.2	1527	1890
4-05-98 03:00	7.0	1388	1493
4-05-98 04:00	4.5	1441	1571
4-05-98 05:00	3.7	1471	1704
4-05-98 06:00	3.6	1572	1723
4-05-98 07:00	5.0	1538	1736
4-05-98 08:00	3.7	1586	1764
4-05-98 09:00	6.4	1435	1527
4-05-98 10:00	7.9	979	1279
4-05-98 11:00	4.9	1395	1572
4-05-98 12:00	3.5	1407	1816
4-05-98 13:00	3.8	1516	1686
4-05-98 14:00	3.8	1513	1722
4-05-98 15:00	3.1	1442	1760
4-05-98 16:00	3.7	1506	1699
4-05-98 17:00	3.1	1539	1592
4-05-98 18:00	3.4	1356	1763
4-05-98 19:00	4.9	1319	1421
4-05-98 20:00	3.2	1493	1731
4-05-98 21:00	2.3	1496	1804
4-05-98 22:00	3.0	1417	1567
4-05-98 23:00	2.9	1589	1645
4-06-98 00:00	2.1	1603	1747
4-06-98 01:00	2.2	1570	1699
4-06-98 02:00	3.2	1575	1623
4-06-98 03:00	3.4	1419	1644
4-06-98 04:00	2.6	1563	1650
4-06-98 05:00	9.2	1399	1522
4-06-98 06:00	12.0	781	1034
4-06-98 07:00	7.1	608	879
4-06-98 08:00	7.1	642	583
4-06-98 09:00	14.7	959	1022
4-06-98 10:00	5.2	842	1142
4-06-98 11:00	6.0	821	1064
4-06-98 12:00	5.6	719	1124
4-06-98 13:00	5.8	1081	1129
4-06-98 14:00	4.1	1016	1299
4-06-98 15:00	2.3	1035	1390

NO TREATED WOOD BURNED



Koppers Industries
Tie Plant Road
Daily Summary

Page 52

FROM 01/01/98 00:00 TO 06/30/98 23:59

Date/Time	Opacity %	Cell 1	Cell 2
		F	F
6-06-98 16:00	2.7	1576	1750
6-06-98 17:00	3.1	1533	1970
6-06-98 18:00	2.9	1468	2031
6-06-98 19:00	3.8	1379	1802
6-06-98 20:00	4.3	1643	1584
6-06-98 21:00	3.1	1614	1911
6-06-98 22:00	2.7	1575	1921
6-06-98 23:00	3.0	1612	1885
7-07-98 00:00	3.9	1477	1961
7-07-98 01:00	3.8	1461	2014
7-07-98 02:00	6.1	1354	1590
7-07-98 03:00	6.8	1252	1513
7-07-98 04:00	23.7	1559	1885
7-07-98 05:00	8.0	1420	1943
7-07-98 06:00	3.3	1497	1839
7-07-98 07:00	3.8	1481	1846
7-07-98 08:00	3.8	1520	1810
7-07-98 09:00	3.3	1388	1955
7-07-98 10:00	3.3	1480	1887
7-07-98 11:00	3.8	1757	1941
7-07-98 12:00	4.9	1614	1701
7-07-98 13:00	4.0	1387	1608
7-07-98 14:00	5.1	1077	1392
7-07-98 15:00	4.3	1196	1770
7-07-98 16:00	3.8	1106	1653
7-07-98 17:00	3.4	1379	1673
7-07-98 18:00	3.8	1691	1830
7-07-98 19:00	6.7	1184	1382
7-07-98 20:00	3.7	1481	1599
7-07-98 21:00	3.6	1077	1417
7-07-98 22:00	5.1	1089	1379
7-07-98 23:00	3.8	1424	1899
8-08-98 00:00	4.1	1672	1839
8-08-98 01:00	4.1	1769	1873
8-08-98 02:00	3.8	1609	1972
8-08-98 03:00	4.4	1464	1743
8-08-98 04:00	4.2	1530	1734
8-08-98 05:00	6.6	1519	1834
8-08-98 06:00	3.2	1712	1742
8-08-98 07:00	5.7	1042	1221
8-08-98 08:00	5.3	1320	1436
8-08-98 09:00	4.4	1536	1818
8-08-98 10:00	3.8	1619	1978
8-08-98 11:00	4.1	1727	1991
8-08-98 12:00	4.6	1454	1903

NO TREATED WOOD BURNED

Koppers Industries
Tie Plant Road
Daily Summary

Page 53

FROM 01/01/98 00:00 TO 06/30/98 23:59

Date/ Time	Opacity %	Cell 1 F	Cell 2 F
01-01-98 13:00	4.9	1409	1584
01-01-98 14:00	4.5	1501	1648
01-01-98 15:00	4.3	1647	1864
01-01-98 16:00	3.8	1553	1986
01-01-98 17:00	3.0	1625	1922
01-01-98 18:00	3.8	1557	1995
01-01-98 19:00	4.8	1326	1726
01-01-98 20:00	5.2	1043	1483
01-01-98 21:00	3.6	1404	1662
01-01-98 22:00	3.7	1616	1829
01-01-98 23:00	4.3	1772	1788
01-02-98 00:00	3.9	1813	1786
01-02-98 01:00	3.6	1786	1683
01-02-98 02:00	4.3	1732	1653
01-02-98 03:00	6.6	1340	1470
01-02-98 04:00	11.3	1488	1280
01-02-98 05:00	4.3	1712	1717
01-02-98 06:00	3.3	1618	1924
01-02-98 07:00	5.5	1451	1589
01-02-98 08:00	4.2	1476	1889
01-02-98 09:00	5.7	1334	1605
01-02-98 10:00	3.1	1682	1850
01-02-98 11:00	3.7	1651	1795
01-02-98 12:00	5.3	1376	1681
01-02-98 13:00	4.5	1635	1660
01-02-98 14:00	4.1	1540	1590
01-02-98 15:00	4.8	1495	1782
01-02-98 16:00	4.0	1515	1750
01-02-98 17:00	3.4	1531	1741
01-02-98 18:00	6.1	1407	1592
01-02-98 19:00	3.6	1501	1657
01-02-98 20:00	2.8	1534	1725
01-02-98 21:00	4.1	1580	1744
01-02-98 22:00	2.6	1428	1858
01-02-98 23:00	3.1	1423	1532
01-03-98 00:00	3.5	1434	1769
01-03-98 01:00	3.1	1510	1761
01-03-98 02:00	3.7	1541	1614
01-03-98 03:00	3.7	1350	1517
01-03-98 04:00	9.0	942	1249
01-03-98 05:00	13.6	547	811
01-03-98 06:00	2.2	416	467
01-03-98 07:00	1.7	376	425
01-03-98 08:00	1.8	346	389
01-03-98 09:00	1.7	324	363

BOILER DOWN
4:10 TO 4:14

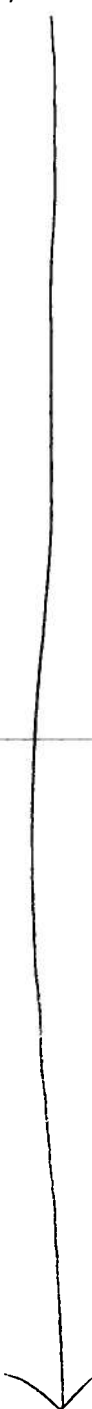
Koppers Industries
Tie Plant Road
Daily Summary

Page 54

FROM 01/01/98 00:00 TO 06/30/98 23:59

Date/ Time	Opacity %	Cell 1 F	Cell 2 F
4-10-98 10:00	1.6	308	343
4-10-98 11:00	1.6	294	328
4-10-98 12:00	1.6	284	316
4-10-98 13:00	1.6	276	307
4-10-98 14:00	1.6	269	298
4-10-98 15:00	1.6	263	290
4-10-98 16:00	1.6	257	284
4-10-98 17:00	1.6	250	278
4-10-98 18:00	1.6	244	272
4-10-98 19:00	1.6	239	268
4-10-98 20:00	1.5	234	260
4-10-98 21:00	1.5	228	254
4-10-98 22:00	1.5	223	248
4-10-98 23:00	1.5	219	244
4-11-98 00:00	1.5	215	240
4-11-98 01:00	1.5	212	236
4-11-98 02:00	1.4	209	233
4-11-98 03:00	1.5	206	230
4-11-98 04:00	1.5	203	227
4-11-98 05:00	1.5	201	224
4-11-98 06:00	1.5	205	227
4-11-98 07:00	1.8	213	230
4-11-98 08:00	2.1	213	230
4-11-98 09:00	2.1	214	232
4-11-98 10:00	1.9	214	233
4-11-98 11:00	1.8	213	232
4-11-98 12:00	1.6	212	232
4-11-98 13:00	1.5	212	230
4-11-98 14:00	1.5	211	230
4-11-98 15:00	1.5	210	229
4-11-98 16:00	1.5	210	228
4-11-98 17:00	1.5	209	227
4-11-98 18:00	1.6	207	225
4-11-98 19:00	1.6	204	223
4-11-98 20:00	1.6	201	220
4-11-98 21:00	1.5	198	217
4-11-98 22:00	1.5	195	215
4-11-98 23:00	1.5	193	214
4-12-98 00:00	1.5	192	212
4-12-98 01:00	1.5	190	211
4-12-98 02:00	1.5	189	210
4-12-98 03:00	1.4	187	208
4-12-98 04:00	1.4	186	207
4-12-98 05:00	1.4	186	206
4-12-98 06:00	1.5	185	205

Boiler Down



Koppers Industries
Tie Plant Road
Daily Summary

Page 55

FROM 01/01/98 00:00 TO 06/30/98 23:59

Date/ Time	Opacity %	Cell 1 F	Cell 2 F
1-12-98 07:00	1.8	185	206
1-12-98 08:00	2.0	187	208
1-12-98 09:00	2.0	188	209
1-12-98 10:00	1.9	190	210
1-12-98 11:00	1.8	190	211
1-12-98 12:00	1.7	191	212
1-12-98 13:00	1.6	191	212
1-12-98 14:00	1.6	191	212
1-12-98 15:00	1.6	191	212
1-12-98 16:00	1.5	191	212
1-12-98 17:00	1.5	190	212
1-12-98 18:00	1.6	190	211
1-12-98 19:00	1.6	188	210
1-12-98 20:00	1.6	187	208
1-12-98 21:00	1.6	186	208
1-12-98 22:00	1.6	185	207
1-12-98 23:00	1.6	185	206
1-13-98 00:00	2.4	184	206
1-13-98 01:00	1.6	184	205
1-13-98 02:00	1.6	183	204
1-13-98 03:00	1.6	182	204
1-13-98 04:00	1.6	181	204
1-13-98 05:00	2.3	182	206
1-13-98 06:00	2.6	182	206
1-13-98 07:00	2.4	182	206
1-13-98 08:00	2.7	181	206
1-13-98 09:00	2.3	182	206
1-13-98 10:00	8.4	182	206
1-13-98 11:00	2.5	182	206
1-13-98 12:00	1.8	182	206
1-13-98 13:00	1.7	182	206
1-13-98 14:00	1.7	182	206
1-13-98 15:00	1.7	182	206
1-13-98 16:00	1.7	182	206
1-13-98 17:00	1.7	182	206
1-13-98 18:00	1.7	182	206
1-13-98 19:00	1.7	181	206
1-13-98 20:00	1.8	181	206
1-13-98 21:00	1.8	181	205
1-13-98 22:00	1.8	180	205
1-13-98 23:00	1.8	180	204
1-14-98 00:00	1.8	180	205
1-14-98 01:00	1.9	180	205
1-14-98 02:00	1.9	180	205
1-14-98 03:00	1.9	180	205

BOILER DOWN



Koppers Industries
Tie Plant Road
Daily Summary

Page 56

FROM 01/01/98 00:00 TO 06/30/98 23:59

Date/ Time	Opacity %	Cell 1 F	Cell 2 F
4-14-98 04:00	7.7	369	496
4-14-98 05:00	12.3	723	1163
4-14-98 06:00	7.8	544	968
4-14-98 07:00	4.7	753	1147
4-14-98 08:00	2.9	942	1534
4-14-98 09:00	2.9	1521	1720
4-14-98 10:00	3.1	1522	1757
4-14-98 11:00	2.7	1499	1795
4-14-98 12:00	3.7	958	926
4-14-98 13:00	4.2	963	1417
4-14-98 14:00	3.2	1305	1760
4-14-98 15:00	2.8	1481	1987
4-14-98 16:00	2.4	1640	1878
4-14-98 17:00	3.0	1402	1705
4-14-98 18:00	3.5	1137	1422
4-14-98 19:00	2.7	914	1394
4-14-98 20:00	2.8	937	1394
4-14-98 21:00	3.7	1362	1533
4-14-98 22:00	6.5	802	1040
4-14-98 23:00	3.1	1231	1389
4-15-98 00:00	2.9	1481	1580
4-15-98 01:00	4.0	1226	1482
4-15-98 02:00	5.9	578	698
4-15-98 03:00	3.6	1061	1363
4-15-98 04:00	4.4	877	1222
4-15-98 05:00	7.6	1304	1741
4-15-98 06:00	3.6	1412	1932
4-15-98 07:00	2.5	1410	1762
4-15-98 08:00	3.3	1420	1876
4-15-98 09:00	3.3	1417	1947
4-15-98 10:00	3.0	1590	1738
4-15-98 11:00	3.3	1682	1774
4-15-98 12:00	4.1	1286	1690
4-15-98 13:00	3.6	1462	1809
4-15-98 14:00	3.6	1509	2035
4-15-98 15:00	2.8	1549	1911
4-15-98 16:00	4.2	1260	1340
4-15-98 17:00	3.7	1330	1496
4-15-98 18:00	2.7	1747	1463
4-15-98 19:00	3.1	1537	1726
4-15-98 20:00	3.4	1636	1834
4-15-98 21:00	3.7	1652	1897
4-15-98 22:00	4.1	1558	1575
4-15-98 23:00	4.0	1558	1782
4-15-98 00:00	3.0	1550	1882

START BOILER

Koppers Industries
Tie Plant Road
Daily Summary

Page 57

FROM 01/01/98 00:00 TO 06/30/98 23:59

Date/ Time	Opacity %	Cell 1	Cell 2
		F	F
6-16-98 01:00	2.9	1651	1847
6-16-98 02:00	3.1	1748	1785
6-16-98 03:00	4.5	1504	1657
6-16-98 04:00	7.4	1720	1735
6-16-98 05:00	3.3	1598	1729
6-16-98 06:00	2.8	1584	1843
6-16-98 07:00	3.1	1597	1867
6-16-98 08:00	3.4	1624	1845
6-16-98 09:00	3.0	1664	1904
6-16-98 10:00	3.0	1703	1816
6-16-98 11:00	3.5	1670	1889
6-16-98 12:00	3.3	1531	1711
6-16-98 13:00	3.7	1731	1864
6-16-98 14:00	3.5	1689	1935
6-16-98 15:00	3.1	1726	1898
6-16-98 16:00	3.1	1642	1866
6-16-98 17:00	7.5	1396	1149
6-16-98 18:00	6.5	1191	774
6-16-98 19:00	4.9	1338	871
6-16-98 20:00	3.4	1611	1522
6-16-98 21:00	3.0	1771	1764
6-16-98 22:00	2.8	1644	1709
6-16-98 23:00	2.6	1601	1936
6-17-98 00:00	3.5	1548	1748
6-17-98 01:00	3.4	1803	1673
6-17-98 02:00	4.0	1578	915
6-17-98 03:00	6.8	1194	1305
6-17-98 04:00	3.8	1449	1704
6-17-98 05:00	5.6	1509	1844
6-17-98 06:00	3.6	1557	1799
6-17-98 07:00	3.5	1493	1857
6-17-98 08:00	3.6	1619	1770
6-17-98 09:00	3.8	1685	1722
6-17-98 10:00	3.8	1633	1748
6-17-98 11:00	3.8	1595	1846
6-17-98 12:00	5.3	1294	1657
6-17-98 13:00	5.3	1424	1431
6-17-98 14:00	3.5	1566	1756
6-17-98 15:00	3.6	1627	1797
6-17-98 16:00	3.8	1550	1882
6-17-98 17:00	3.5	1531	1835
6-17-98 18:00	4.8	1344	1768
6-17-98 19:00	5.2	1379	1484
6-17-98 20:00	4.1	1305	1375
6-17-98 21:00	3.6	1548	1752

Koppers Industries
Tie Plant Road
Daily Summary

Page 58

FROM 01/01/98 00:00 TO 06/30/98 23:59

Date/Time	Opacity %	Cell 1 F	Cell 2 F
1-17-98 22:00	3.6	1527	1858
1-17-98 23:00	2.7	1568	1933
1-18-98 00:00	4.1	1603	1824
1-18-98 01:00	5.3	1362	1519
1-18-98 02:00	3.1	1501	1865
1-18-98 03:00	4.9	1138	1555
1-18-98 04:00	10.5	1108	1340
1-18-98 05:00	5.2	1307	1456
1-18-98 06:00	4.3	1299	1549
1-18-98 07:00	4.3	1365	1445
1-18-98 08:00	3.5	1553	1669
1-18-98 09:00	3.1	1589	1598
1-18-98 10:00	3.7	1413	1524
1-18-98 11:00	5.9	1181	1354
1-18-98 12:00	2.6	1445	1837
1-18-98 13:00	2.8	1585	1846
1-18-98 14:00	2.7	1607	1934
1-18-98 15:00	2.1	1657	1906
1-18-98 16:00	2.5	1521	1824
1-18-98 17:00	3.2	1481	1943
1-18-98 18:00	2.8	1501	1839
1-18-98 19:00	3.7	1423	994
1-18-98 20:00	5.5	1268	728
1-18-98 21:00	4.4	1641	1549
1-18-98 22:00	2.7	1623	1789
1-18-98 23:00	2.5	1650	1823
1-19-98 00:00	3.1	1563	1741
1-19-98 01:00	3.0	1687	1580
1-19-98 02:00	2.7	1714	1787
1-19-98 03:00	3.5	1488	1610
1-19-98 04:00	4.4	1236	1710
1-19-98 05:00	5.3	1410	1119
1-19-98 06:00	3.1	1357	1572
1-19-98 07:00	3.4	1404	1821
1-19-98 08:00	6.2	1505	1723
1-19-98 09:00	3.5	1361	1742
1-19-98 10:00	3.6	1509	1850
1-19-98 11:00	4.2	1552	1605
1-19-98 12:00	3.2	1542	1778
1-19-98 13:00	3.6	1637	1718
1-19-98 14:00	3.5	1695	1706
1-19-98 15:00	2.9	1711	1690
1-19-98 16:00	3.1	1652	1645
1-19-98 17:00	2.5	1561	1681
1-19-98 18:00	2.7	1541	1753

NO TREATED WOOD BURNED

Koppers Industries
Tie Plant Road
Daily Summary

Page 59

FROM 01/01/98 00:00 TO 06/30/98 23:59

Date/Time	Opacity	Cell 1	Cell 2
	%	F	F
1-19-98 19:00	2.9	1589	1616
1-19-98 20:00	3.6	1532	1591
1-19-98 21:00	3.5	1600	1643
1-19-98 22:00	2.4	1534	1841
1-19-98 23:00	3.9	1490	1545
1-20-98 00:00	4.1	1492	1665
1-20-98 01:00	3.1	1814	1648
1-20-98 02:00	2.0	1831	1715
1-20-98 03:00	5.1	1059	1254
1-20-98 04:00	8.2	792	1028
1-20-98 05:00	4.7	349	395
1-20-98 06:00	2.8	273	309
1-20-98 07:00	1.9	296	326
1-20-98 08:00	7.3	618	716
1-20-98 09:00	5.2	1106	1269
1-20-98 10:00	6.1	969	1121
1-20-98 11:00	6.4	951	992
1-20-98 12:00	4.4	1036	1115
1-20-98 13:00	4.0	1080	1067
1-20-98 14:00	3.4	1405	1342
1-20-98 15:00	3.4	1203	1314
1-20-98 16:00	3.1	1008	1322
1-20-98 17:00	2.4	1121	1377
1-20-98 18:00	4.1	1213	1358
1-20-98 19:00	4.9	1173	1223
1-20-98 20:00	4.7	1099	1163
1-20-98 21:00	3.8	1200	1158
1-20-98 22:00	3.3	1247	1256
1-20-98 23:00	4.0	1248	1313
1-21-98 00:00	4.4	1126	1324
1-21-98 01:00	5.6	1073	1072
1-21-98 02:00	5.0	1170	1157
1-21-98 03:00	5.8	959	1106
1-21-98 04:00	11.2	917	1044
1-21-98 05:00	5.0	775	1129
1-21-98 06:00	3.6	1244	1654
1-21-98 07:00	2.9	1518	1946
1-21-98 08:00	3.7	1659	1944
1-21-98 09:00	3.8	1556	1479
1-21-98 10:00	2.8	1586	1763
1-21-98 11:00	3.5	1698	1653
1-21-98 12:00	3.0	1767	1509
1-21-98 13:00	4.0	1379	1608
1-21-98 14:00	3.1	1647	1860
1-21-98 15:00	3.4	1828	1812

NO TREATED WOOD BURNED

Koppers Industries
Tie Plant Road
Daily Summary

Page 60

FROM 01/01/98 00:00 TO 06/30/98 23:59

Date/ Time	Opacity %	Cell 1	Cell 2
		F	F
01-01-98 16:00	2.8	1717	1891
01-01-98 17:00	2.4	1795	1842
01-01-98 18:00	3.4	1703	1726
01-01-98 19:00	3.4	1875	1840
01-01-98 20:00	3.0	1835	1857
01-01-98 21:00	2.8	1708	1964
01-01-98 22:00	2.5	1803	1796
01-01-98 23:00	2.7	1659	1904
01-02-98 00:00	3.6	1633	1924
01-22-98 01:00	3.0	1903	1860
01-22-98 02:00	2.8	1800	1910
01-22-98 03:00	3.3	1483	1717
01-22-98 04:00	3.6	1831	1662
01-22-98 05:00	2.7	1577	1882
01-22-98 06:00	3.3	1581	1991
01-22-98 07:00	2.6	1788	1835
01-22-98 08:00	3.4	1735	1882
01-22-98 09:00	3.5	1749	1977
01-22-98 10:00	3.4	1910	1950
01-22-98 11:00	3.4	1917	2000
01-22-98 12:00	3.8	1493	-9999
01-22-98 13:00	5.3	1699	-9999
01-22-98 14:00	3.3	1665	-9999
01-22-98 15:00	2.9	1636	1919
01-22-98 16:00	3.0	1697	774
01-22-98 17:00	3.4	1611	2475
01-22-98 18:00	4.2	1574	322
01-22-98 19:00	3.6	1472	-9999
01-22-98 20:00	2.4	1659	-9999
01-22-98 21:00	3.0	1775	-9999
01-22-98 22:00	2.8	1681	-9999
01-22-98 23:00	2.3	1623	-9999
01-23-98 00:00	3.2	1717	-9999
01-23-98 01:00	2.6	1597	-9999
01-23-98 02:00	3.0	1636	-9999
01-23-98 03:00	3.1	1391	-9999
01-23-98 04:00	8.1	1620	-9999
01-23-98 05:00	2.7	1619	-9999
01-23-98 06:00	3.5	1807	-9999
01-23-98 07:00	2.3	1736	-9999
01-23-98 08:00	3.1	1723	-9999
01-23-98 09:00	3.4	1557	-9999
01-23-98 10:00	3.0	1584	-9999
01-23-98 11:00	3.3	1581	-9999
01-23-98 12:00	5.2	1075	-9999

PROBE FAILURE

PROBE FAILURE

Koppers Industries
Tie Plant Road
Daily Summary

Page 61

FROM 01/01/98 00:00 TO 06/30/98 23:59

Date/ Time	Opacity	Cell 1	Cell 2
	%	F	F
1-22-98 13:00	5.2	1391	-9999
1-22-98 14:00	3.2	1148	-9999
1-22-98 15:00	2.6	425	-9999
1-22-98 16:00	8.7	1046	-9999
1-22-98 17:00	2.7	1461	-9999
1-22-98 18:00	3.1	1489	-9999
1-22-98 19:00	3.4	1464	-9999
1-22-98 20:00	3.0	1634	-9999
1-22-98 21:00	2.6	1891	-9999
1-22-98 22:00	3.0	1570	-9999
1-22-98 23:00	2.9	1512	-9999
1-24-98 00:00	3.0	1755	-9999
1-24-98 01:00	2.6	1821	-9999
1-24-98 02:00	3.4	1830	-9999
1-24-98 03:00	4.8	1307	-9999
1-24-98 04:00	4.8	1479	-9999
1-24-98 05:00	2.6	1424	-9999
1-24-98 06:00	3.3	1396	-9999
1-24-98 07:00	3.4	1512	-9999
1-24-98 08:00	3.7	1506	-9999
1-24-98 09:00	3.2	1858	-9999
1-24-98 10:00	3.8	1698	-9999
1-24-98 11:00	4.4	1622	-9999
1-24-98 12:00	4.8	1360	-9999
1-24-98 13:00	3.3	1525	-9999
1-24-98 14:00	3.3	1554	-9999
1-24-98 15:00	3.5	1648	-9999
1-24-98 16:00	3.2	1581	-9999
1-24-98 17:00	3.1	1724	-9999
1-24-98 18:00	3.2	1601	-9999
1-24-98 19:00	4.0	1554	-9999
1-24-98 20:00	4.9	1432	-9999
1-24-98 21:00	2.8	1598	-9999
1-24-98 22:00	2.6	1578	-9999
1-24-98 23:00	2.5	1596	-9999
1-25-98 00:00	5.3	1553	-9999
1-25-98 01:00	2.6	1698	-9999
1-25-98 02:00	2.3	1614	-9999
1-25-98 03:00	4.4	1514	-9999
1-25-98 04:00	10.9	1527	-9999
1-25-98 05:00	2.3	1604	-9999
1-25-98 06:00	2.2	1726	-9999
1-25-98 07:00	2.8	1712	-9999
1-25-98 08:00	2.5	1594	-9999
1-25-98 09:00	2.7	1690	-9999

PROBE FAILURE

Koppers Industries
Tie Plant Road
Daily Summary

Page 62

FROM 01/01/98 00:00 TO 06/30/98 23:59

Date/ Time	Opacity %	Cell 1	Cell 2
		F	F
1-25-98 10:00	3.6	1444	-9999
1-25-98 11:00	4.3	1528	-9999
1-25-98 12:00	3.1	1652	-9999
1-25-98 13:00	3.8	1389	-9999
1-25-98 14:00	5.9	1250	-9999
1-25-98 15:00	3.4	1292	-9999
1-25-98 16:00	3.7	1291	-9999
1-25-98 17:00	9.8	1006	-9999
1-25-98 18:00	7.7	1044	-9999
1-25-98 19:00	3.8	1179	-9999
1-25-98 20:00	3.0	1024	-9999
1-25-98 21:00	6.4	1067	-9999
1-25-98 22:00	5.6	1105	-9999
1-25-98 23:00	5.9	1151	-9999
1-26-98 00:00	4.4	1146	-9999
1-26-98 01:00	4.1	1165	-9999
1-26-98 02:00	4.9	1070	-9999
1-26-98 03:00	4.9	1077	-9999
1-26-98 04:00	5.1	1132	-9999
1-26-98 05:00	6.9	977	-9999
1-26-98 06:00	6.8	992	-9999
1-26-98 07:00	6.6	948	-9999
1-26-98 08:00	4.3	1004	-9999
1-26-98 09:00	3.0	1548	-9999
1-26-98 10:00	3.6	1404	-9999
1-26-98 11:00	4.4	1446	-9999
1-26-98 12:00	3.1	1579	-9999
1-26-98 13:00	3.2	1477	-9999
1-26-98 14:00	3.1	1631	-9999
1-26-98 15:00	2.9	1627	-9999
1-26-98 16:00	2.9	1630	-9999
1-26-98 17:00	2.9	1545	-9999
1-26-98 18:00	2.4	1467	-9999
1-26-98 19:00	2.9	1515	-9999
1-26-98 20:00	3.6	1639	-9999
1-26-98 21:00	2.6	1508	-9999
1-26-98 22:00	2.1	1590	-9999
1-26-98 23:00	2.4	1581	-9999
1-27-98 00:00	3.1	1502	-9999
1-27-98 01:00	3.3	1451	-9999
1-27-98 02:00	3.1	1339	-9999
1-27-98 03:00	3.7	1501	-9999
1-27-98 04:00	9.4	1713	-9999
1-27-98 05:00	3.0	1567	-9999
1-27-98 06:00	2.7	1489	-9999

PROBE FAILURE

Koppers Industries
Tie Plant Road
Daily Summary

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FROM 01/01/98 00:00 TO 06/30/98 23:59

Date/Time	Opacity %	Cell 1 F	Cell 2 F
1-27-98 07:00	2.1	1563	-9999
1-27-98 08:00	2.3	1548	-9999
1-27-98 09:00	3.3	1634	-9999
1-27-98 10:00	3.1	1759	-9999
1-27-98 11:00	2.4	1571	-9999
1-27-98 12:00	3.6	1361	-9999
1-27-98 13:00	4.5	1459	-9999
1-27-98 14:00	2.8	1655	-9999
1-27-98 15:00	2.9	1529	-9999
1-27-98 16:00	2.7	1615	-9999
1-27-98 17:00	2.1	1608	-9999
1-27-98 18:00	3.4	1440	-9999
1-27-98 19:00	2.8	1315	-9999
1-27-98 20:00	2.6	1636	-9999
1-27-98 21:00	2.0	1623	-9999
1-27-98 22:00	2.5	1530	-9999
1-27-98 23:00	7.9	1648	-9999
1-28-98 00:00	4.7	1616	-9999
1-28-98 01:00	3.0	1631	-9999
1-28-98 02:00	4.5	2156	-9999
1-28-98 03:00	5.4	1843	-9999
1-28-98 04:00	4.8	2827	-9999
1-28-98 05:00	4.2	-9999	-9999
1-28-98 06:00	6.0	-9999	-9999
1-28-98 07:00	3.5	2392	-9999
1-28-98 08:00	2.9	2299	-9999
1-28-98 09:00	3.3	2512	-9999
1-28-98 10:00	3.6	2503	-9999
1-28-98 11:00	3.2	2287	-9999
1-28-98 12:00	3.7	2354	-9999
1-28-98 13:00	7.6	2814	-9999
1-28-98 14:00	6.3	-9999	-9999
1-28-98 15:00	4.2	-9999	-9999
1-28-98 16:00	2.9	-9999	-9999
1-28-98 17:00	2.9	-9999	-9999
1-28-98 18:00	4.4	-9999	-9999
1-28-98 19:00	4.2	1893	-9999
1-28-98 20:00	5.7	1784	-9999
1-28-98 21:00	3.5	2325	-9999
1-28-98 22:00	3.2	2105	-9999
1-28-98 23:00	3.2	1649	-9999
1-29-98 00:00	2.8	2470	-9999
1-29-98 01:00	4.5	2269	-9999
1-29-98 02:00	7.0	-9999	-9999
1-29-98 03:00	7.6	-9999	-9999

PROBE FAILURE

Koppers Industries
Tie Plant Road
Daily Summary

Page 64

FROM 01/01/98 00:00 TO 06/30/98 23:59

Date/ Time	Opacity	Cell 1	Cell 2
	%	F	F
01-01-98 04:00	3.5	-9999	-9999
01-01-98 05:00	9.1	-9999	-9999
01-01-98 06:00	4.8	1709	-9999
01-01-98 07:00	5.2	1887	-9999
01-01-98 08:00	5.7	1751	-9999
01-01-98 09:00	7.7	-9999	-9999
01-01-98 10:00	3.5	1679	-9999
01-01-98 11:00	6.8	-9999	-9999
01-01-98 12:00	6.8	1462	-9999
01-01-98 13:00	3.2	725	-9999
01-01-98 14:00	2.9	348	-9999
01-01-98 15:00	2.9	641	-9999
01-01-98 16:00	3.0	1692	-9999
01-01-98 17:00	4.1	2150	-9999
01-01-98 18:00	5.2	1764	-9999
01-01-98 19:00	2.8	244	-9999
01-01-98 20:00	3.2	1853	-9999
01-01-98 21:00	3.7	1252	-9999
01-01-98 22:00	3.1	-9999	-9999
01-01-98 23:00	3.4	-9999	-9999
01-01-98 00:00	3.8	-9999	-9999
01-01-98 01:00	4.6	-9999	-9999
01-01-98 02:00	7.4	1738	-9999
01-01-98 03:00	8.1	1719	-9999
01-01-98 04:00	16.4	878	-9999
01-01-98 05:00	4.0	1715	-9999
01-01-98 06:00	3.9	1457	-9999
01-01-98 07:00	3.3	1511	-9999
01-01-98 08:00	4.1	827	-9999
01-01-98 09:00	4.4	1412	-9999
01-01-98 10:00	4.4	-9999	-9999
01-01-98 11:00	4.4	1336	-9999
01-01-98 12:00	7.7	1458	-9999
01-01-98 13:00	5.9	-9999	-9999
01-01-98 14:00	7.6	-9999	-9999
01-01-98 15:00	6.5	-9999	-9999
01-01-98 16:00	3.9	1443	-9999
01-01-98 17:00	8.8	2050	-9999
01-01-98 18:00	3.5	-9999	-9999
01-01-98 19:00	3.5	1330	-9999
01-01-98 20:00	3.4	1725	-9999
01-01-98 21:00	3.0	2398	-9999
01-01-98 22:00	2.9	1624	-9999
01-01-98 23:00	2.9	2857	-9999
01-01-98 00:00	3.4	2726	-9999

PROBE FAILURE

Koppers Industries
Tie Plant Road
Daily Summary

Page 65

FROM 01/01/98 00:00 TO 06/30/98 23:59

Date/ Time	Opacity	Cell 1	Cell 2
	%	F	F
1-01-98 01:00	2.7	1712	-9999
1-01-98 02:00	3.8	2623	-9999
1-01-98 03:00	6.6	2037	-9999
1-01-98 04:00	7.7	1625	-9999
1-01-98 05:00	2.8	1140	-9999
1-01-98 06:00	2.7	975	-9999
1-01-98 07:00	2.8	1167	-9999
1-01-98 08:00	3.1	1368	-9999
1-01-98 09:00	2.7	1809	-9999
1-01-98 10:00	3.2	1804	-9999
1-01-98 11:00	5.9	1653	-9999
1-01-98 12:00	3.3	1235	-9999
1-01-98 13:00	3.0	1510	-9999
1-01-98 14:00	3.6	1646	-9999
1-01-98 15:00	2.4	1488	-9999
1-01-98 16:00	2.8	1670	-9999
1-01-98 17:00	3.1	2055	-9999
1-01-98 18:00	2.2	1735	-9999
1-01-98 19:00	2.6	1628	-9999
1-01-98 20:00	2.9	2137	-9999
1-01-98 21:00	8.7	1890	-9999
1-01-98 22:00	2.8	1387	-9999
1-01-98 23:00	3.3	1489	-9999
1-02-98 00:00	4.0	1479	-9999
1-02-98 01:00	2.5	2294	-9999
1-02-98 02:00	2.9	2368	-9999
1-02-98 03:00	3.9	1700	-9999
1-02-98 04:00	5.0	1993	-9999
1-02-98 05:00	14.2	-9999	-9999
1-02-98 06:00	3.4	-9999	-9999
1-02-98 07:00	3.1	-9999	-9999
1-02-98 08:00	2.6	-9999	-9999
1-02-98 09:00	2.5	-9999	-9999
1-02-98 10:00	2.2	-9999	-9999
1-02-98 11:00	2.0	-9999	-9999
1-02-98 12:00	2.0	-9999	-9999
1-02-98 13:00	1.9	-9999	-9999
1-02-98 14:00	1.9	-9999	-9999
1-02-98 15:00	1.9	-9999	-9999
1-02-98 16:00	1.9	-9999	-9999
1-02-98 17:00	1.9	-9999	-9999
1-02-98 18:00	1.8	-9999	-9999
1-02-98 19:00	1.8	-9999	-9999
1-02-98 20:00	1.9	-9999	-9999
1-02-98 21:00	1.9	-9999	-9999

PROBE FAILURE

Boiler OFF

Koppers Industries
Tie Plant Road
Daily Summary

Page 66

FROM 01/01/98 00:00 TO 06/30/98 23:59

Date/ Time	Opacity %	Cell 1 F	Cell 2 F
02-98 22:00	1.9	-9999	-9999
02-98 23:00	2.0	-9999	-9999
03-98 00:00	2.0	-9999	-9999
03-98 01:00	2.0	-9999	-9999
03-98 02:00	2.0	-9999	-9999
03-98 03:00	2.0	-9999	-9999
03-98 04:00	2.0	-9999	-9999
03-98 05:00	2.0	-9999	-9999
03-98 06:00	2.0	-9999	-9999
03-98 07:00	2.0	-9999	-9999
03-98 08:00	2.0	-9999	-9999
03-98 09:00	2.2	-9999	-9999
03-98 10:00	2.1	-9999	-9999
03-98 11:00	2.1	-9999	-9999
03-98 12:00	2.0	-9999	-9999
03-98 13:00	1.9	-9999	-9999
03-98 14:00	1.9	-9999	-9999
03-98 15:00	1.9	-9999	-9999
03-98 16:00	1.9	-9999	-9999
03-98 17:00	1.9	-9999	-9999
03-98 18:00	1.9	-9999	-9999
03-98 19:00	1.9	-9999	-9999
03-98 20:00	2.0	-9999	-9999
03-98 21:00	2.0	-9999	-9999
03-98 22:00	2.0	-9999	-9999
03-98 23:00	2.0	-9999	-9999
04-98 00:00	2.6	-9999	-9999
04-98 01:00	2.0	-9999	-9999
04-98 02:00	2.0	-9999	-9999
04-98 03:00	2.0	-9999	-9999
04-98 04:00	2.3	-9999	-9999
04-98 05:00	2.8	-9999	-9999
04-98 06:00	9.3	-9999	-9999
04-98 07:00	11.4	-9999	-9999
04-98 08:00	6.0	-9999	-9999
04-98 09:00	3.1	-9999	-9999
04-98 10:00	2.9	-9999	-9999
04-98 11:00	2.6	-9999	-9999
04-98 12:00	2.9	-9999	-9999
04-98 13:00	2.9	-9999	-9999
04-98 14:00	2.8	185	-9999
04-98 15:00	2.4	3026	-9999
04-98 16:00	2.5	1792	-9999
04-98 17:00	2.5	1386	-9999
04-98 18:00	2.5	1569	-9999

BOILER OFF

NO TREATED WOOD BURNED
5-4

Koppers Industries
Tie Plant Road
Daily Summary

Page 67

FROM 01/01/98 00:00 TO 06/30/98 23:59

Date/Time	Opacity	Cell 1	Cell 2
	%	F	F
5-04-98 19:00	2.5	1325	-9999
5-04-98 20:00	3.0	2049	-9999
5-04-98 21:00	2.6	2468	-9999
5-04-98 22:00	1.8	2117	-9999
5-04-98 23:00	1.6	1210	-9999
5-05-98 00:00	2.7	1344	-9999
5-05-98 01:00	2.0	2501	-9999
5-05-98 02:00	1.8	2473	-9999
5-05-98 03:00	11.0	2147	-9999
5-05-98 04:00	5.4	1359	-9999
5-05-98 05:00	2.1	-9999	-9999
5-05-98 06:00	2.5	2352	-9999
5-05-98 07:00	2.7	2840	-9999
5-05-98 08:00	2.6	-9999	-9999
5-05-98 09:00	7.0	2390	-9999
5-05-98 10:00	2.3	-9999	-9999
5-05-98 11:00	2.0	-9999	-9999
5-05-98 12:00	1.7	-9999	-9999
5-05-98 13:00	1.8	1499	-9999
5-05-98 14:00	2.6	1650	-9999
5-05-98 15:00	2.1	1201	-9999
5-05-98 16:00	3.5	1708	-9999
5-05-98 17:00	3.0	1733	-9999
5-05-98 18:00	10.4	1527	-9999
5-05-98 19:00	2.5	951	-9999
5-05-98 20:00	2.0	1618	-9999
5-05-98 21:00	1.8	1573	-9999
5-05-98 22:00	2.1	1811	-9999
5-05-98 23:00	2.3	1786	-9999
5-06-98 00:00	2.9	1370	-9999
5-06-98 01:00	2.2	1144	-9999
5-06-98 02:00	2.7	783	-9999
5-06-98 03:00	3.1	1405	-9999
5-06-98 04:00	5.1	1408	-9999
5-06-98 05:00	4.2	2025	-9999
5-06-98 06:00	7.7	1799	-9999
5-06-98 07:00	6.9	-9999	-9999
5-06-98 08:00	7.7	-9999	-9999
5-06-98 09:00	7.3	-9999	-9999
5-06-98 10:00	9.2	-9999	-9999
5-06-98 11:00	5.6	-9999	-9999
5-06-98 12:00	4.2	1919	-9999
5-06-98 13:00	2.6	-9999	-9999
5-06-98 14:00	3.4	-9999	-9999
5-06-98 15:00	2.6	-9999	-9999

NO TREATED WOOD BURNED
5-4

BAD PROBE

Koppers Industries
Tie Plant Road
Daily Summary

Page 68

FROM 01/01/98 00:00 TO 06/30/98 23:59

Date/ Time	Opacity %	Cell 1 F	Cell 2 F
06-98 16:00	2.6	-9999	-9999
06-98 17:00	3.2	-9999	-9999
06-98 18:00	2.9	3019	-9999
06-98 19:00	2.8	-9999	-9999
06-98 20:00	3.1	-9999	-9999
06-98 21:00	2.6	-9999	-9999
06-98 22:00	3.0	-9999	-9999
06-98 23:00	3.7	-9999	-9999
07-98 00:00	2.9	-9999	-9999
07-98 01:00	4.6	-9999	-9999
07-98 02:00	3.8	-9999	-9999
07-98 03:00	3.6	-9999	-9999
07-98 04:00	3.5	-9999	-9999
07-98 05:00	3.5	933	-9999
07-98 06:00	3.3	1440	-9999
07-98 07:00	3.4	1585	-9999
07-98 08:00	3.5	1377	-9999
07-98 09:00	3.5	1727	-9999
07-98 10:00	3.5	1176	-9999
07-98 11:00	3.4	810	-9999
07-98 12:00	3.8	2519	-9999
07-98 13:00	3.7	640	-9999
07-98 14:00	2.9	1248	-9999
07-98 15:00	2.6	1046	-9999
07-98 16:00	2.6	1683	-9999
07-98 17:00	2.4	1266	-9999
07-98 18:00	2.0	672	-9999
07-98 19:00	3.1	523	-9999
07-98 20:00	3.0	729	-9999
07-98 21:00	2.2	670	-9999
07-98 22:00	4.9	669	-9999
07-98 23:00	2.2	659	-9999
08-98 00:00	1.9	393	-9999
08-98 01:00	1.9	465	-9999
08-98 02:00	2.1	677	-9999
08-98 03:00	2.2	1011	-9999
08-98 04:00	5.3	1985	-9999
08-98 05:00	2.4	770	-9999
08-98 06:00	1.9	450	-9999
08-98 07:00	3.2	844	-9999
08-98 08:00	2.3	1213	-9999
08-98 09:00	2.3	581	-9999
08-98 10:00	2.4	619	-9999
08-98 11:00	2.5	513	-9999
08-98 12:00	3.0	1427	-9999

PROBE FAILURE

Koppers Industries
Tie Plant Road
Daily Summary

Page 69

FROM 01/01/98 00:00 TO 06/30/98 23:59

Date/ Time	Opacity %	Cell 1 F	Cell 2 F
8-08-98 13:00	2.6	1219	-9999
8-08-98 14:00	2.1	1438	-9999
8-08-98 15:00	2.5	1494	-9999
8-08-98 16:00	2.1	2047	-9999
8-08-98 17:00	1.9	2301	-9999
8-08-98 18:00	2.4	2372	-9999
8-08-98 19:00	2.3	774	-9999
8-08-98 20:00	2.9	1424	-9999
8-08-98 21:00	2.8	1474	-9999
8-08-98 22:00	2.3	689	-9999
8-08-98 23:00	2.5	606	-9999
8-09-98 00:00	3.3	662	-9999
8-09-98 01:00	2.2	719	-9999
8-09-98 02:00	2.7	768	-9999
8-09-98 03:00	3.0	2474	-9999
8-09-98 04:00	3.7	2930	-9999
8-09-98 05:00	7.7	1184	1539
8-09-98 06:00	5.6	1006	2949
8-09-98 07:00	3.1	850	-9999
8-09-98 08:00	2.7	1457	-9999
8-09-98 09:00	2.5	638	-9999
8-09-98 10:00	3.1	1245	-9999
8-09-98 11:00	3.1	1214	-9999
8-09-98 12:00	2.6	1486	-9999
8-09-98 13:00	5.1	732	-9999
8-09-98 14:00	4.0	9999	-9999
8-09-98 15:00	2.8	-9999	-9999
8-09-98 16:00	2.5	9999	-9999
8-09-98 17:00	3.5	2372	-9999
8-09-98 18:00	2.3	2605	-9999
8-09-98 19:00	3.9	1778	-9999
8-09-98 20:00	2.6	1922	-9999
8-09-98 21:00	2.5	1205	-9999
8-09-98 22:00	2.4	2029	-9999
8-09-98 23:00	2.8	1568	-9999
8-10-98 00:00	3.0	1573	-9999
8-10-98 01:00	2.7	2382	-9999
8-10-98 02:00	3.0	2751	-9999
8-10-98 03:00	2.9	2051	-9999
8-10-98 04:00	3.9	1375	-9999
8-10-98 05:00	5.6	-9999	-9999
8-10-98 06:00	3.1	-9999	-9999
8-10-98 07:00	2.2	-9999	-9999
8-10-98 08:00	2.2	-9999	-9999
8-10-98 09:00	2.2	-9999	-9999

BOWLER OFF

Koppers Industries
Tie Plant Road
Daily Summary

Page 70

FROM 01/01/98 00:00 TO 06/30/98 23:59

Date/Time	Opacity %	Cell 1 F	Cell 2 F
01-10-98 10:00	2.1	-9999	-9999
01-10-98 11:00	2.1	-9999	-9999
01-10-98 12:00	2.1	-9999	-9999
01-10-98 13:00	2.1	-9999	-9999
01-10-98 14:00	2.1	-9999	-9999
01-10-98 15:00	2.0	-9999	-9999
01-10-98 16:00	2.0	-9999	-9999
01-10-98 17:00	2.0	-9999	-9999
01-10-98 18:00	2.0	-9999	-9999
01-10-98 19:00	2.0	-9999	-9999
01-10-98 20:00	2.1	-9999	-9999
01-10-98 21:00	2.1	-9999	-9999
01-10-98 22:00	2.1	-9999	-9999
01-10-98 23:00	2.1	-9999	-9999
01-11-98 00:00	2.1	-9999	-9999
01-11-98 01:00	2.1	-9999	-9999
01-11-98 02:00	2.1	-9999	-9999
01-11-98 03:00	2.1	-9999	-9999
01-11-98 04:00	3.4	-9999	-9999
01-11-98 05:00	17.6	-9999	-9999
01-11-98 06:00	10.6	-9999	-9999
01-11-98 07:00	4.3	-9999	-9999
01-11-98 08:00	4.4	-9999	-9999
01-11-98 09:00	3.4	-9999	-9999
01-11-98 10:00	3.7	-9999	-9999
01-11-98 11:00	3.0	-9999	-9999
01-11-98 12:00	2.9	807	-9999
01-11-98 13:00	2.2	545	-9999
01-11-98 14:00	2.7	85	-9999
01-11-98 15:00	2.2	0	-9999
01-11-98 16:00	2.1	1596	-9999
01-11-98 17:00	4.2	1930	-9999
01-11-98 18:00	2.7	1438	-9999
01-11-98 19:00	2.4	1486	-9999
01-11-98 20:00	2.8	1530	-9999
01-11-98 21:00	4.0	1227	-9999
01-11-98 22:00	3.8	1069	-9999
01-11-98 23:00	2.1	622	-9999
01-12-98 00:00	3.1	687	-9999
01-12-98 01:00	2.5	-9999	-9999
01-12-98 02:00	3.4	1569	-9999
01-12-98 03:00	3.2	752	-9999
01-12-98 04:00	8.9	1152	-9999
01-12-98 05:00	2.5	941	-9999
01-12-98 06:00	1.9	996	-9999

BOILER DOWN

PROBE FAILURE

Koppers Industries
Tie Plant Road
Daily Summary

Page 71

FROM 01/01/98 00:00 TO 06/30/98 23:59

Date/ Time	Opacity %	Cell 1 F	Cell 2 F
12-98 07:00	2.1	2671	-9999
12-98 08:00	2.2	2304	-9999
12-98 09:00	2.4	2139	-9999
12-98 10:00	2.7	1693	-9999
12-98 11:00	2.8	1712	-9999
12-98 12:00	3.3	2036	-9999
12-98 13:00	2.9	2072	-9999
12-98 14:00	2.5	2150	-9999
12-98 15:00	2.1	2387	-9999
12-98 16:00	2.3	2321	-9999
12-98 17:00	2.3	2442	-9999
12-98 18:00	2.3	2273	-9999
12-98 19:00	2.7	2222	-9999
12-98 20:00	2.7	2221	-9999
12-98 21:00	2.4	2047	-9999
12-98 22:00	2.0	1935	-9999
12-98 23:00	2.3	2076	-9999
01-98 00:00	2.4	2115	-9999
01-98 01:00	2.1	1956	-9999
01-98 02:00	2.7	2127	-9999
01-98 03:00	2.9	2726	-9999
01-98 04:00	4.8	2681	-9999
01-98 05:00	2.1	2393	-9999
01-98 06:00	7.0	2867	-9999
01-98 07:00	12.9	-9999	-9999
01-98 08:00	5.6	3151	-9999
01-98 09:00	6.1	3127	-9999
01-98 10:00	6.2	-9999	-9999
01-98 11:00	27.5	-9999	-9999
01-98 12:00	11.0	2545	-9999
01-98 13:00	2.8	2324	-9999
01-98 14:00	2.0	2132	-9999
01-98 15:00	2.3	2006	-9999
01-98 16:00	1.8	1856	-9999
01-98 17:00	1.9	2230	-9999
01-98 18:00	2.1	2162	-9999
01-98 19:00	2.8	2495	-9999
01-98 20:00	2.1	2904	-9999
01-98 21:00	3.2	2755	-9999
01-98 22:00	3.6	2493	-9999
01-98 23:00	3.9	2543	-9999
02-98 00:00	3.2	2310	-9999
02-98 01:00	2.0	1879	-9999
02-98 02:00	2.5	2043	-9999
02-98 03:00	2.6	2210	-9999

PROBE FAILURE

Koppers Industries
Tie Plant Road
Daily Summary

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FROM 01/01/98 00:00 TO 06/30/98 23:59

Date/Time	Opacity %	Cell 1 F	Cell 2 F
1-14-98 04:00	4.7	2169	-9999
1-14-98 05:00	2.5	1832	-9999
1-14-98 06:00	2.8	1841	-9999
1-14-98 07:00	2.3	1647	-9999
1-14-98 08:00	2.5	2267	-9999
1-14-98 09:00	2.4	1857	-9999
1-14-98 10:00	2.4	1848	-9999
1-14-98 11:00	2.1	1954	-9999
1-14-98 12:00	2.8	2192	-9999
1-14-98 13:00	2.9	1904	-9999
1-14-98 14:00	2.0	1858	-9999
1-14-98 15:00	2.0	2201	-9999
1-14-98 16:00	2.0	1908	-9999
1-14-98 17:00	2.4	1965	-9999
1-14-98 18:00	2.5	2149	-9999
1-14-98 19:00	2.3	1819	-9999
1-14-98 20:00	2.1	1749	-9999
1-14-98 21:00	1.9	1880	-9999
1-14-98 22:00	2.1	1835	3040
1-14-98 23:00	2.1	1899	-9999
1-15-98 00:00	2.8	1826	-9999
1-15-98 01:00	3.9	1221	-9999
1-15-98 02:00	2.5	2088	-9999
1-15-98 03:00	2.1	2951	-9999
1-15-98 04:00	2.5	2862	-9999
1-15-98 05:00	2.6	2842	-9999
1-15-98 06:00	3.8	2386	-9999
1-15-98 07:00	2.7	1868	-9999
1-15-98 08:00	2.8	1750	-9999
1-15-98 09:00	1.8	1298	-9999
1-15-98 10:00	2.4	1730	-9999
1-15-98 11:00	4.3	1932	-9999
1-15-98 12:00	4.8	2076	2348
1-15-98 13:00	2.2	1658	-9999
1-15-98 14:00	2.2	1781	-9999
1-15-98 15:00	2.2	2226	-9999
1-15-98 16:00	2.0	2099	-9999
1-15-98 17:00	1.8	2001	-9999
1-15-98 18:00	1.9	1950	-9999
1-15-98 19:00	1.7	2028	-9999
1-15-98 20:00	2.0	1952	-9999
1-15-98 21:00	2.4	1740	-9999
1-15-98 22:00	2.6	1966	-9999
1-15-98 23:00	2.0	1920	-9999
1-16-98 00:00	2.2	1832	-9999

PROBE FAILURE

FROM 01/01/98 00:00 TO 06/30/98 23:59

Date/ Time	Opacity %	Cell 1 F	Cell 2 F
1-16-98 01:00	2.2	1843	-9999
1-16-98 02:00	2.1	1814	-9999
1-16-98 03:00	2.8	1672	-9999
1-16-98 04:00	3.0	1633	-9999
1-16-98 05:00	2.2	1508	-9999
1-16-98 06:00	2.3	1676	-9999
1-16-98 07:00	2.5	1734	-9999
1-16-98 08:00	2.8	1838	-9999
1-16-98 09:00	2.0	1652	-9999
1-16-98 10:00	2.7	1573	-9999
1-16-98 11:00	3.0	1777	-9999
1-16-98 12:00	2.5	1797	-9999
1-16-98 13:00	1.7	1564	-9999
1-16-98 14:00	0.0*	1676	-9999
1-16-98 15:00	0.0	1564	-9999
1-16-98 16:00	0.0	1332	-9999
1-16-98 17:00	0.0	1617	-9999
1-16-98 18:00	0.0	1724	-9999
1-16-98 19:00	0.0	1728	-9999
1-16-98 20:00	0.0	1859	-9999
1-16-98 21:00	0.0	2857	-9999
1-16-98 22:00	0.0	2061	-9999
1-16-98 23:00	0.0	1926	-9999
1-17-98 00:00	0.0	1901	-9999
1-17-98 01:00	0.0	2596	-9999
1-17-98 02:00	0.0	1674	-9999
1-17-98 03:00	0.0	1449	-9999
1-17-98 04:00	0.0	1476	-9999
1-17-98 05:00	0.0	1797	-9999
1-17-98 06:00	0.0	-9999	-9999
1-17-98 07:00	0.0	-9999	-9999
1-17-98 08:00	0.0	-9999	-9999
1-17-98 09:00	0.0	-9999	-9999
1-17-98 10:00	0.0	-9999	-9999
1-17-98 11:00	0.0	-9999	-9999
1-17-98 12:00	0.0	-9999	-9999
1-17-98 13:00	0.0	-9999	-9999
1-17-98 14:00	0.0	-9999	-9999
1-17-98 15:00	0.0	-9999	-9999
1-17-98 16:00	0.0	-9999	-9999
1-17-98 17:00	0.0	-9999	-9999
1-17-98 18:00	0.0	-9999	-9999
1-17-98 19:00	0.0	-9999	-9999
1-17-98 20:00	0.0	-9999	-9999
1-17-98 21:00	0.0	-9999	-9999

PROBE FAILURE

* OPACITY METER DOWN
5-16 TO PRESENT

BOILER OFF

Koppers Industries
Tie Plant Road
Daily Summary

Page 74

FROM 01/01/98 00:00 TO 06/30/98 23:59

Date/ Time	Opacity %	Cell 1 F	Cell 2 F
12-98 22:00	0.0	-9999	-9999
12-98 23:00	0.0	-9999	-9999
13-98 00:00	0.0	-9999	-9999
13-98 01:00	0.0	-9999	-9999
13-98 02:00	0.0	-9999	-9999
13-98 03:00	0.0	-9999	-9999
13-98 04:00	0.0	-9999	-9999
13-98 05:00	0.0	-9999	-9999
13-98 06:00	0.0	2915	-9999
13-98 07:00	0.0	1758	-9999
13-98 08:00	0.0	1754	-9999
13-98 09:00	0.0	1647	-9999
13-98 10:00	0.0	2292	-9999
13-98 11:00	0.0	2397	-9999
13-98 12:00	0.0	2485	-9999
13-98 13:00	0.0	-9999	-9999
13-98 14:00	0.0	-9999	-9999
13-98 15:00	0.0	-9999	-9999
13-98 16:00	0.0	2088	-9999
13-98 17:00	0.0	2317	-9999
13-98 18:00	0.0	1935	-9999
13-98 19:00	0.0	2513	-9999
13-98 20:00	0.0	1890	-9999
13-98 21:00	0.0	1739	-9999
13-98 22:00	0.0	1609	-9999
13-98 23:00	0.0	1670	-9999
14-98 00:00	0.0	-9999	-9999
14-98 01:00	0.0	-9999	-9999
14-98 02:00	0.0	1772	-9999
14-98 03:00	0.0	1760	-9999
14-98 04:00	0.0	1865	-9999
14-98 05:00	0.0	1873	-9999
14-98 06:00	0.0	1806	-9999
14-98 07:00	0.0	1888	-9999
14-98 08:00	0.0	1814	-9999
14-98 09:00	0.0	1903	-9999
14-98 10:00	0.0	1523	-9999
14-98 11:00	0.0	1586	-9999
14-98 12:00	0.0	1760	-9999
14-98 13:00	0.0	1930	-9999
14-98 14:00	0.0	2242	-9999
14-98 15:00	0.0	1562	-9999
14-98 16:00	0.0	1613	-9999
14-98 17:00	0.0	1624	-9999
14-98 18:00	0.0	1639	-9999

BOILER OFF

PROBE FAILURE

Koppers Industries
Tie Plant Road
Daily Summary

Page 75

FROM 01/01/98 00:00 TO 06/30/98 23:59

Date/ Time	Opacity	Cell 1	Cell 2
	%	F	F
8-19-98 19:00	0.0	1647	-9999
8-19-98 20:00	0.0	1633	-9999
8-19-98 21:00	0.0	1626	-9999
8-19-98 22:00	0.0	1530	-9999
8-19-98 23:00	0.0	1501	-9999
8-20-98 00:00	0.0	1608	-9999
8-20-98 01:00	0.0	1576	-9999
8-20-98 02:00	0.0	1655	-9999
8-20-98 03:00	0.0	1601	-9999
8-20-98 04:00	0.0	1575	-9999
8-20-98 05:00	0.0	1543	-9999
8-20-98 06:00	0.0	1622	-9999
8-20-98 07:00	0.0	1726	-9999
8-20-98 08:00	0.0	1622	-9999
8-20-98 09:00	0.0	1519	-9999
8-20-98 10:00	0.0	1530	-9999
8-20-98 11:00	0.0	1622	-9999
8-20-98 12:00	0.0	1731	-9999
8-20-98 13:00	0.0	1702	-9999
8-20-98 14:00	0.0	1774	-9999
8-20-98 15:00	0.0	1904	-9999
8-20-98 16:00	0.0	1933	-9999
8-20-98 17:00	0.0	1851	-9999
8-20-98 18:00	0.0	2125	-9999
8-20-98 19:00	0.0	2217	-9999
8-20-98 20:00	0.0	1919	-9999
8-20-98 21:00	0.0	1838	-9999
8-20-98 22:00	0.0	2724	-9999
8-20-98 23:00	0.0	2065	-9999
8-21-98 00:00	0.0	2189	-9999
8-21-98 01:00	0.0	2004	-9999
8-21-98 02:00	0.0	1977	-9999
8-21-98 03:00	0.0	1999	-9999
8-21-98 04:00	0.0	2163	-9999
8-21-98 05:00	0.0	2090	-9999
8-21-98 06:00	0.0	1772	-9999
8-21-98 07:00	0.0	1980	-9999
8-21-98 08:00	0.0	1950	-9999
8-21-98 09:00	0.0	2594	-9999
8-21-98 10:00	0.0	2623	-9999
8-21-98 11:00	0.0	2728	-9999
8-21-98 12:00	0.0	2292	-9999
8-21-98 13:00	0.0	2091	-9999
8-21-98 14:00	0.0	2029	-9999
8-21-98 15:00	0.0	-9999	-9999

PROBE FAILURE

Koppers Industries
Tie Plant Road
Daily Summary

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FROM 01/01/98 00:00 TO 06/30/98 23:59

Date/ Time	Opacity	Cell 1	Cell 2
		F	F
1-21-98 16:00	0.0	OPACITY 2988	-9999
1-21-98 17:00	0.0	METER 2020	-9999
1-21-98 18:00	0.0	FAILURE 1817	-9999
1-21-98 19:00	0.0	2280	-9999
1-21-98 20:00	0.0	1805	-9999
1-21-98 21:00	0.0	1776	-9999
1-21-98 22:00	0.0	1668	-9999
1-21-98 23:00	0.0	1837	-9999
1-22-98 00:00	0.0	1733	-9999
1-22-98 01:00	0.0	1650	-9999
1-22-98 02:00	0.0	1946	-9999
1-22-98 03:00	0.0	2064	-9999
1-22-98 04:00	0.0	1989	-9999
1-22-98 05:00	0.0	2124	-9999
1-22-98 06:00	0.0	1855	-9999
1-22-98 07:00	0.0	1656	-9999
1-22-98 08:00	0.0	1931	-9999
1-22-98 09:00	0.0	1750	-9999
1-22-98 10:00	0.0	1854	-9999
1-22-98 11:00	0.0	2188	-9999
1-22-98 12:00	0.0	2009	-9999
1-22-98 13:00	0.0	2260	-9999
1-22-98 14:00	0.0	2049	-9999
1-22-98 15:00	0.0	1854	-9999
1-22-98 16:00	0.0	1923	-9999
1-22-98 17:00	0.0	1891	-9999
1-22-98 18:00	0.0	1883	-9999
1-22-98 19:00	0.0	2213	-9999
1-22-98 20:00	0.0	1805	-9999
1-22-98 21:00	0.0	1837	-9999
1-22-98 22:00	0.0	2223	-9999
1-22-98 23:00	0.0	2001	-9999
1-23-98 00:00	0.0	2098	-9999
1-23-98 01:00	0.0	2656	-9999
1-23-98 02:00	0.0	2265	-9999
1-23-98 03:00	0.0	2502	-9999
1-23-98 04:00	0.0	2189	-9999
1-23-98 05:00	0.0	2314	-9999
1-23-98 06:00	0.0	2294	-9999
1-23-98 07:00	0.0	2249	-9999
1-23-98 08:00	0.0	2352	-9999
1-23-98 09:00	0.0	1805	-9999
1-23-98 10:00	0.0	2149	-9999
1-23-98 11:00	0.0	2177	-9999
1-23-98 12:00	0.0	2221	-9999

PROBE FAILURE

Koppers Industries
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FROM 01/01/98 00:00 TO 06/30/98 23:59

Date/ Time	Opacity	Cell 1	Cell 2
	%	F	F
02-98 12:00	0.0	2160	-9999
02-98 14:00	0.0	2647	-9999
02-98 15:00	0.0	2605	-9999
02-98 16:00	0.0	2227	-9999
02-98 17:00	0.0	1942	-9999
02-98 18:00	0.0	1965	-9999
03-98 19:00	0.0	2952	-9999
03-98 20:00	0.0	-9999	994
03-98 21:00	0.0	-9999	-9999
03-98 22:00	0.0	-9999	-9999
03-98 23:00	0.0	-9999	-9999
04-98 00:00	0.0	-9999	-9999
04-98 01:00	0.0	-9999	-9999
04-98 02:00	0.0	-9999	-9999
04-98 03:00	0.0	-9999	-9999
04-98 04:00	0.0	-9999	-9999
04-98 05:00	0.0	-9999	-9999
04-98 06:00	0.0	-9999	-9999
04-98 07:00	0.0	-9999	-9999
04-98 08:00	0.0	-9999	-9999
04-98 09:00	0.0	-9999	-9999
04-98 10:00	0.0	-9999	-9999
04-98 11:00	0.0	-9999	-9999
04-98 12:00	0.0	-9999	-9999
04-98 13:00	0.0	-9999	-9999
04-98 14:00	0.0	-9999	-9999
04-98 15:00	0.0	-9999	-9999
04-98 16:00	0.0	-9999	-9999
04-98 17:00	0.0	-9999	-9999
04-98 18:00	0.0	-9999	-9999
04-98 19:00	0.0	-9999	-9999
04-98 20:00	0.0	-9999	-9999
04-98 21:00	0.0	-9999	-9999
04-98 22:00	0.0	-9999	-9999
04-98 23:00	0.0	-9999	-9999
05-98 00:00	0.0	-9999	-9999
05-98 01:00	0.0	-9999	-9999
05-98 02:00	0.0	-9999	-9999
05-98 03:00	0.0	-9999	-9999
05-98 04:00	0.0	-9999	1102
05-98 05:00	0.0	-9999	-9999
05-98 06:00	0.0	-9999	357
05-98 07:00	0.0	-9999	1865
05-98 08:00	0.0	-9999	-9999
05-98 09:00	0.0	-9999	-9999

BOILER OFF

Koppers Industries
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FROM 01/01/98 00:00 TO 06/30/98 23:59

Date/ Time	Opacity %	Cell 1 F	Cell 2 F
6-25-98 10:00	0.0	-9999	-9999
6-25-98 11:00	0.0	-9999	-9999
6-25-98 12:00	0.0	-9999	-9999
6-25-98 13:00	0.0	-9999	-9999
6-25-98 14:00	0.0	-9999	-9999
6-25-98 15:00	0.0	-9999	-9999
6-25-98 16:00	0.0	-9999	-9999
6-25-98 17:00	0.0	-9999	-9999
6-25-98 18:00	0.0	-9999	-9999
6-25-98 19:00	0.0	-9999	-9999
6-25-98 20:00	0.0	-9999	1387
6-25-98 21:00	0.0	-9999	-9999
6-25-98 22:00	0.0	-9999	-9999
6-25-98 23:00	0.0	-9999	-9999
6-26-98 00:00	0.0	-9999	-9999
6-26-98 01:00	0.0	-9999	-9999
6-26-98 02:00	0.0	-9999	-9999
6-26-98 03:00	0.0	-9999	-9999
6-26-98 04:00	0.0	-9999	-9999
6-26-98 05:00	0.0	-9999	-9999
6-26-98 06:00	0.0	-9999	-9999
6-26-98 07:00	0.0	-9999	-9999
6-26-98 08:00	0.0	113	492
6-26-98 09:00	0.0	-9999	872
6-26-98 10:00	0.0	-9999	1024
6-26-98 11:00	0.0	-9999	1241
6-26-98 12:00	0.0	-9999	1265
6-26-98 13:00	0.0	1034	1031
6-26-98 14:00	0.0	1112	1170
6-26-98 15:00	0.0	984	1137
6-26-98 16:00	0.0	1046	973
6-26-98 17:00	0.0	1023	870
6-26-98 18:00	0.0	1103	946
6-26-98 19:00	0.0	1143	998
6-26-98 20:00	0.0	1136	1008
6-26-98 21:00	0.0	1128	917
6-26-98 22:00	0.0	1039	1005
6-26-98 23:00	0.0	937	948
6-27-98 00:00	0.0	990	980
6-27-98 01:00	0.0	843	998
6-27-98 02:00	0.0	903	925
6-27-98 03:00	0.0	1023	1092
6-27-98 04:00	0.0	1059	1206
6-27-98 05:00	0.0	1103	1165
6-27-98 06:00	0.0	1249	1198

BOILER OFF

*
OPACITY
METER
DOWN

Koppers Industries
Tie Plant Road
Daily Summary

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FROM 01/01/98 00:00 TO 06/30/98 23:59

OPACITY METER DOWN

Date/ Time	Opacity *	Cell 1 F	Cell 2 F
5-27-98 07:00	0.0	1190	1169
5-27-98 08:00	0.0	1148	1007
5-27-98 09:00	0.0	1112	672
5-27-98 10:00	0.0	1107	650
5-27-98 11:00	0.0	1107	938
5-27-98 12:00	0.0	1051	1018
5-27-98 13:00	0.0	885	764
5-27-98 14:00	0.0	1520	1561
5-27-98 15:00	0.0	1678	1623
5-27-98 16:00	0.0	1712	1673
5-27-98 17:00	0.0	1547	1603
5-27-98 18:00	0.0	1643	1566
5-27-98 19:00	0.0	1722	1718
5-27-98 20:00	0.0	1642	1612
5-27-98 21:00	0.0	1691	1615
5-27-98 22:00	0.0	1650	1619
5-27-98 23:00	0.0	1703	1631
5-28-98 00:00	0.0	1649	1665
5-28-98 01:00	0.0	1656	1708
5-28-98 02:00	0.0	1457	1433
5-28-98 03:00	0.0	1365	1276
5-28-98 04:00	0.0	1414	1375
5-28-98 05:00	0.0	1479	1472
5-28-98 06:00	0.0	1678	1503
5-28-98 07:00	0.0	1651	1555
5-28-98 08:00	0.0	1818	1616
5-28-98 09:00	0.0	1420	1199
5-28-98 10:00	0.0	763	681
5-28-98 11:00	0.0	1176	1068
5-28-98 12:00	0.0	1219	1288
5-28-98 13:00	0.0	1517	1555
5-28-98 14:00	0.0	1593	1574
5-28-98 15:00	0.0	1581	1615
5-28-98 16:00	0.0	1609	1590
5-28-98 17:00	0.0	1496	1495
5-28-98 18:00	0.0	1329	1320
5-28-98 19:00	-9999.0	-9999	-9999
5-28-98 20:00	0.0	826	885
5-28-98 21:00	0.0	1276	1217
5-28-98 22:00	0.0	1149	873
5-28-98 23:00	0.0	1190	1108
5-29-98 00:00	0.0	1251	1115
5-29-98 01:00	0.0	1252	1081
5-29-98 02:00	0.0	1278	1032
5-29-98 03:00	0.0	1039	990

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FROM 01/01/98 00:00 TO 06/30/98 23:59

METER
DOWN

Date/ Time	Opacity %	Cell 1 F	Cell 2 F
8-29-98 04:00	0.0	1122	1016
8-29-98 05:00	-9999.0	-9999	-9999
8-29-98 06:00	-9999.0	-9999	-9999
8-29-98 07:00	0.0	962	859
8-29-98 08:00	0.0	1113	1042
8-29-98 09:00	0.0	1076	1070
8-29-98 10:00	0.0	1024	978
8-29-98 11:00	0.0	1036	1037
8-29-98 12:00	0.0	1058	1042
8-29-98 13:00	0.0	1011	1076
8-29-98 14:00	0.0	1116	1149
8-29-98 15:00	0.0	1323	1201
8-29-98 16:00	0.0	1371	1332
8-29-98 17:00	0.0	893	814
8-29-98 18:00	0.0	500	496
8-29-98 19:00	0.0	1142	1010
8-29-98 20:00	0.0	1278	1052
8-29-98 21:00	0.0	1125	1177
8-29-98 22:00	0.0	1212	1194
8-29-98 23:00	0.0	1175	1045
8-30-98 00:00	0.0	907	594
8-30-98 01:00	0.0	871	761
8-30-98 02:00	0.0	1131	1015
8-30-98 03:00	0.0	1235	1139
8-30-98 04:00	0.0	1126	1060
8-30-98 05:00	0.0	1306	862
8-30-98 06:00	0.0	1157	1165
8-30-98 07:00	0.0	1090	1069
8-30-98 08:00	0.0	926	814
8-30-98 09:00	0.0	839	868
8-30-98 10:00	0.0	949	930
8-30-98 11:00	0.0	1038	1028
8-30-98 12:00	0.0	1099	976
8-30-98 13:00	0.0	1255	1029
8-30-98 14:00	0.0	1165	1199
8-30-98 15:00	0.0	1147	1210
8-30-98 16:00	0.0	1393	1402
8-30-98 17:00	0.0	1023	1118
8-30-98 18:00	0.0	973	1016
8-30-98 19:00	0.0	1117	767
8-30-98 20:00	0.0	1184	1142
8-30-98 21:00	0.0	1216	1251
8-30-98 22:00	0.0	1191	1134
8-30-98 23:00	0.0	1161	1197
8-30-98 00:00	0.0	1221	1279

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METER

Date/ Time	Opacity %	Cell 1 F	Cell 2 F
1-31-98 01:00	0.0	1201	1246
1-31-98 02:00	0.0	998	919
1-31-98 03:00	0.0	1057	798
1-31-98 04:00	0.0	1088	1001
1-31-98 05:00	0.0	1011	1030
1-31-98 06:00	0.0	904	1033
1-31-98 07:00	0.0	930	1013
1-31-98 08:00	0.0	1053	998
1-31-98 09:00	0.0	587	582
1-31-98 10:00	0.0	519	518
1-31-98 11:00	0.0	480	480
1-31-98 12:00	0.0	452	454
1-31-98 13:00	0.0	432	435
1-31-98 14:00	0.0	415	420
1-31-98 15:00	0.0	400	406
1-31-98 16:00	0.0	386	394
1-31-98 17:00	0.0	373	383
1-31-98 18:00	0.0	362	372
1-31-98 19:00	0.0	351	363
1-31-98 20:00	0.0	341	354
1-31-98 21:00	0.0	332	346
1-31-98 22:00	0.0	323	338
1-31-98 23:00	0.0	316	331
2-01-98 00:00	0.0	309	325
2-01-98 01:00	0.0	302	319
2-01-98 02:00	0.0	296	313
2-01-98 03:00	0.0	328	344
2-01-98 04:00	0.0	931	977
2-01-98 05:00	0.0	826	923
2-01-98 06:00	0.0	1046	1006
2-01-98 07:00	0.0	1314	1340
2-01-98 08:00	0.0	1492	1521
2-01-98 09:00	0.0	1764	1613
2-01-98 10:00	0.0	1723	1674
2-01-98 11:00	0.0	1596	1588
2-01-98 12:00	0.0	1125	1234
2-01-98 13:00	0.0	1127	1143
2-01-98 14:00	0.0	1149	1152
2-01-98 15:00	0.0	1415	1148
2-01-98 16:00	0.0	1216	1387
2-01-98 17:00	0.0	1266	1423
2-01-98 18:00	0.0	1101	1301
2-01-98 19:00	0.0	1118	1229
2-01-98 20:00	0.0	1226	967
2-01-98 21:00	0.0	1488	1446

BOILER DOWN

Koppers Industries
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FROM 01/01/98 00:00 TO 06/30/98 23:59

Date/ Time	Opacity %	<i>METER DOWN</i> Cell 1 F	Cell 2 F
01-98 22:00	0.0	1811	1629
01-98 23:00	0.0	1526	1371
02-98 00:00	0.0	1740	1549
02-98 01:00	0.0	1652	1590
02-98 02:00	0.0	1472	1363
02-98 03:00	0.0	1493	1407
02-98 04:00	0.0	1797	1605
02-98 05:00	0.0	1689	1629
02-98 06:00	0.0	1581	1536
02-98 07:00	0.0	1637	1611
02-98 08:00	0.0	1618	1691
02-98 09:00	0.0	1488	1480
02-98 10:00	0.0	1604	1524
02-98 11:00	0.0	1339	1137
02-98 12:00	0.0	1726	1580
02-98 13:00	0.0	1622	1591
02-98 14:00	0.0	1597	1686
02-98 15:00	0.0	1372	1101
02-98 16:00	0.0	1511	1358
02-98 17:00	0.0	1147	1174
02-98 18:00	0.0	1255	1235
02-98 19:00	0.0	1418	1283
02-98 20:00	0.0	1511	1195
02-98 21:00	0.0	1192	1078
02-98 22:00	0.0	1335	1099
02-98 23:00	0.0	1163	842
03-98 00:00	0.0	1364	1197
03-98 01:00	0.0	1437	1243
03-98 02:00	0.0	1731	1353
03-98 03:00	0.0	1264	1123
03-98 04:00	0.0	1615	1486
03-98 05:00	0.0	1559	1452
03-98 06:00	0.0	1528	1360
03-98 07:00	0.0	1527	1385
03-98 08:00	0.0	1518	1512
03-98 09:00	0.0	1417	1377
03-98 10:00	0.0	1592	1398
03-98 11:00	0.0	1321	1253
03-98 12:00	0.0	1391	1447
03-98 13:00	0.0	1473	1423
03-98 14:00	0.0	1409	1543
03-98 15:00	-9999.0	-9999	-9999
03-98 16:00	-9999.0	-9999	-9999
03-98 17:00	-9999.0	-9999	-9999
03-98 18:00	-9999.0	-9999	-9999

POWER OFF

Koppers Industries
Tie Plant Road
Daily Summary

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FROM 01/01/98 00:00 TO 06/30/98 23:59

Date / Time	Opacity %	Cell 1 F	Cell 2 F
01-98 19:00	-9999.0	-9999	-9999
02-98 20:00	-9999.0	-9999	-9999
03-98 21:00	-9999.0	-9999	-9999
03-98 22:00	-9999.0	-9999	-9999
03-98 23:00	-9999.0	-9999	-9999
04-98 00:00	-9999.0	-9999	-9999
04-98 01:00	-9999.0	-9999	-9999
04-98 02:00	-9999.0	-9999	-9999
04-98 03:00	-9999.0	-9999	-9999
04-98 04:00	-9999.0	-9999	-9999
04-98 05:00	-9999.0	-9999	-9999
04-98 06:00	-9999.0	-9999	-9999
04-98 07:00	0.0	1083	1196
04-98 08:00	0.0	1086	1158
04-98 09:00	0.0	1174	1006
04-98 10:00	0.0	1196	1035
04-98 11:00	0.0	1044	1045
04-98 12:00	0.0	1296	1294
04-98 13:00	0.0	1219	1229
04-98 14:00	0.0	1220	1390
04-98 15:00	0.0	1094	1028
04-98 16:00	0.0	1097	1055
04-98 17:00	0.0	1102	1204
04-98 18:00	0.0	1160	1256
04-98 19:00	0.0	1149	1352
04-98 20:00	0.0	1232	1264
04-98 21:00	0.0	1201	1203
04-98 22:00	0.0	1262	1230
04-98 23:00	0.0	1122	1121
05-98 00:00	0.0	1043	1097
05-98 01:00	0.0	1043	1158
05-98 02:00	0.0	1123	1182
05-98 03:00	0.0	1314	1215
05-98 04:00	0.0	1188	1222
05-98 05:00	0.0	1211	1300
05-98 06:00	0.0	1076	1236
05-98 07:00	0.0	1161	1322
05-98 08:00	0.0	1228	1176
05-98 09:00	0.0	1583	1595
05-98 10:00	0.0	1523	1456
05-98 11:00	0.0	913	864
05-98 12:00	0.0	1169	1189
05-98 13:00	0.0	1481	1637
05-98 14:00	0.0	1514	1656
05-98 15:00	0.0	1615	1647

POWER OFF

METER
DOWN

Koppers Industries
Tie Plant Road
Daily Summary

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FROM 01/01/98 00:00 TO 06/30/98 23:59

Date/ Time	Opacity %	<i>METER</i> Down Cell 1		Cell 2
		F	F	F
05-98 16:00	0.0	1448		1479
05-98 17:00	0.0	1546		1493
05-98 18:00	0.0	1250		1183
05-98 19:00	0.0	1474		1499
05-98 20:00	0.0	1534		1625
05-98 21:00	0.0	1637		1610
05-98 22:00	0.0	1642		1637
05-98 23:00	0.0	1560		1616
06-98 00:00	0.0	1669		1642
06-98 01:00	0.0	1733		1639
06-98 02:00	0.0	1725		1658
06-98 03:00	0.0	1355		1397
06-98 04:00	0.0	1240		1225
06-98 05:00	0.0	1563		1589
06-98 06:00	0.0	1716		1686
06-98 07:00	0.0	1656		1629
06-98 08:00	0.0	1513		1589
06-98 09:00	0.0	1575		1479
06-98 10:00	0.0	1241		1269
06-98 11:00	0.0	1206		1245
06-98 12:00	0.0	1189		1264
06-98 13:00	0.0	1275		1292
06-98 14:00	0.0	1118		1188
06-98 15:00	0.0	1158		1262
06-98 16:00	0.0	1294		1201
06-98 17:00	0.0	1289		1244
06-98 18:00	0.0	1265		1135
06-98 19:00	0.0	1529		1483
06-98 20:00	0.0	1513		1374
06-98 21:00	0.0	1468		1311
06-98 22:00	0.0	1316		1397
06-98 23:00	0.0	1270		1299
07-98 00:00	0.0	1308		1222
07-98 01:00	0.0	1337		1236
07-98 02:00	0.0	1262		1214
07-98 03:00	0.0	1066		1108
07-98 04:00	0.0	1051		1039
07-98 05:00	0.0	992		1015
07-98 06:00	0.0	995		977
07-98 07:00	0.0	551		593
07-98 08:00	0.0	506		526
07-98 09:00	0.0	472		490
07-98 10:00	0.0	447		463
07-98 11:00	0.0	427		443
07-98 12:00	0.0	411		426

BOILER DOWN

Koppers Industries
Tie Plant Road
Daily Summary

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FROM 01/01/98 00:00 TO 06/30/98 23:59

Date/ Time	Opacity	Cell 1	Cell 2
		F	F
07-98 13:00	0.0	396	410
07-98 14:00	0.0	383	397
07-98 15:00	0.0	370	385
07-98 16:00	0.0	359	374
07-98 17:00	0.0	349	364
07-98 18:00	0.0	339	354
07-98 19:00	0.0	329	345
07-98 20:00	0.0	320	336
07-98 21:00	0.0	312	329
07-98 22:00	0.0	304	322
07-98 23:00	0.0	297	315
08-98 00:00	0.0	291	309
08-98 01:00	0.0	285	303
08-98 02:00	0.0	279	298
08-98 03:00	0.0	424	460
08-98 04:00	0.0	893	1018
08-98 05:00	0.0	795	794
08-98 06:00	0.0	907	965
08-98 07:00	0.0	874	970
08-98 08:00	0.0	1040	1059
08-98 09:00	0.0	1317	1212
08-98 10:00	0.0	1270	1258
08-98 11:00	0.0	1153	1092
08-98 12:00	0.0	1164	1180
08-98 13:00	0.0	1065	1113
08-98 14:00	0.0	1069	1068
08-98 15:00	0.0	1085	1101
08-98 16:00	0.0	1075	1097
08-98 17:00	0.0	1247	1159
08-98 18:00	0.0	1284	1143
08-98 19:00	0.0	1204	1133
08-98 20:00	0.0	1124	1093
08-98 21:00	0.0	779	757
08-98 22:00	0.0	839	768
08-98 23:00	0.0	1139	1070
09-98 00:00	0.0	1024	992
09-98 01:00	0.0	942	975
09-98 02:00	0.0	1093	926
09-98 03:00	0.0	906	670
09-98 04:00	0.0	1231	1169
09-98 05:00	0.0	509	428
09-98 06:00	0.0	1218	1132
09-98 07:00	0.0	1353	1507
09-98 08:00	0.0	1731	1535
09-98 09:00	0.0	1627	1611

BOILER DOWN

Koppers Industries
Tie Plant Road
Daily Summary

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FROM 01/01/98 00:00 TO 06/30/98 23:59

Date/ Time	Opacity %	METER Cell 1 DOWN F	Cell 2 F
09-98 10:00	0.0	1542	1614
09-98 11:00	0.0	1302	1440
09-98 12:00	0.0	1453	1418
09-98 13:00	0.0	1312	953
09-98 14:00	0.0	730	571
09-98 15:00	0.0	666	571
09-98 16:00	0.0	1170	1161
09-98 17:00	0.0	1216	1281
09-98 18:00	0.0	1176	1146
09-98 19:00	0.0	1048	1112
09-98 20:00	0.0	1144	1108
09-98 21:00	0.0	1075	1135
09-98 22:00	0.0	1093	1058
09-98 23:00	0.0	993	1053
10-98 00:00	0.0	1142	990
10-98 01:00	0.0	1003	937
10-98 02:00	0.0	1000	1022
10-98 03:00	0.0	972	965
10-98 04:00	0.0	938	950
10-98 05:00	0.0	936	924
10-98 06:00	0.0	1015	1023
10-98 07:00	0.0	1208	1247
10-98 08:00	0.0	1191	1116
10-98 09:00	0.0	1125	1051
10-98 10:00	0.0	1129	1053
10-98 11:00	0.0	1137	1003
10-98 12:00	0.0	1322	1248
10-98 13:00	0.0	1623	1516
10-98 14:00	0.0	1586	1602
10-98 15:00	0.0	1760	1561
10-98 16:00	0.0	1623	1611
10-98 17:00	0.0	1617	1614
10-98 18:00	0.0	1606	1569
10-98 19:00	0.0	1417	1182
10-98 20:00	0.0	1323	1260
10-98 21:00	0.0	1319	1345
10-98 22:00	0.0	1183	1156
10-98 23:00	0.0	1431	1239
11-98 00:00	0.0	1668	1577
11-98 01:00	0.0	1578	1555
11-98 02:00	0.0	1393	1320
11-98 03:00	0.0	1456	1379
11-98 04:00	0.0	1510	1634
11-98 05:00	0.0	1555	1488
11-98 06:00	0.0	1640	1395

Koppers Industries
Tie Plant Road
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FROM 01/01/98 00:00 TO 06/30/98 23:59

Date/Time	Opacity %	<i>METER DOWN</i>	
		Cell 1 F	Cell 2 F
11-98 07:00	0.0	1655	1564
11-98 08:00	0.0	1579	1686
11-98 09:00	0.0	1504	1405
11-98 10:00	0.0	1571	1650
11-98 11:00	0.0	1428	1464
11-98 12:00	0.0	1531	1540
11-98 13:00	0.0	1380	1367
11-98 14:00	0.0	1530	1204
11-98 15:00	0.0	1591	1533
11-98 16:00	0.0	1237	1179
11-98 17:00	0.0	1483	1526
11-98 18:00	0.0	1463	1554
11-98 19:00	0.0	1517	1542
11-98 20:00	0.0	1297	1194
11-98 21:00	0.0	1020	938
11-98 22:00	0.0	1162	1067
11-98 23:00	0.0	841	799
12-98 00:00	0.0	523	523
12-98 01:00	0.0	502	501
12-98 02:00	0.0	468	471
12-98 03:00	0.0	451	452
12-98 04:00	0.0	1371	1340
12-98 05:00	0.0	1217	1119
12-98 06:00	0.0	1258	1125
12-98 07:00	0.0	1276	1281
12-98 08:00	0.0	1305	1244
12-98 09:00	0.0	1347	1269
12-98 10:00	0.0	1349	1294
12-98 11:00	0.0	1143	1098
12-98 12:00	0.0	1177	1137
12-98 13:00	0.0	1066	1012
12-98 14:00	0.0	1058	1043
12-98 15:00	0.0	1212	1029
12-98 16:00	0.0	1200	1085
12-98 17:00	0.0	1003	1137
12-98 18:00	0.0	1147	1184
12-98 19:00	0.0	1023	1031
12-98 20:00	0.0	925	918
12-98 21:00	0.0	431	440
12-98 22:00	0.0	351	378
12-98 23:00	0.0	318	341
13-98 00:00	0.0	1437	1371
13-98 01:00	0.0	1146	1117
13-98 02:00	0.0	1159	1164
13-98 03:00	0.0	1271	1234

Koppers Industries
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FROM 01/01/98 00:00 TO 06/30/98 23:59

Date/ Time	Opacity %	METER DOWN Cell 1 F	Cell 2 F
-15-98 01:00	0.0	243	260
-15-98 02:00	0.0	240	258
-15-98 03:00	0.0	234	252
-15-98 04:00	0.0	225	243
-15-98 05:00	0.0	223	242
-15-98 06:00	0.0	600	592
-15-98 07:00	0.0	1085	1103
-15-98 08:00	0.0	1133	1119
-15-98 09:00	0.0	1245	1234
-15-98 10:00	0.0	1188	1159
-15-98 11:00	0.0	1339	1266
-15-98 12:00	0.0	1293	1294
-15-98 13:00	0.0	1307	1321
-15-98 14:00	0.0	1302	1257
-15-98 15:00	0.0	1314	1326
-15-98 16:00	0.0	1198	1336
-15-98 17:00	0.0	1094	895
-15-98 18:00	0.0	1060	1033
-15-98 19:00	0.0	1111	999
-15-98 20:00	0.0	1254	1157
-15-98 21:00	0.0	1165	1198
-15-98 22:00	0.0	1224	1137
-15-98 23:00	0.0	1024	1008
-16-98 00:00	0.0	1102	971
-16-98 01:00	0.0	1056	1033
-16-98 02:00	0.0	1086	1296
-16-98 03:00	0.0	1111	1041
-16-98 04:00	0.0	1114	1115
-16-98 05:00	0.0	1140	1125
-16-98 06:00	0.0	1252	1111
-16-98 07:00	0.0	1177	1168
-16-98 08:00	0.0	1263	1180
-16-98 09:00	0.0	1157	1174
-16-98 10:00	0.0	1035	1151
-16-98 11:00	0.0	1154	1154
-16-98 12:00	0.0	1262	1251
-16-98 13:00	0.0	1585	1600
-16-98 14:00	0.0	1697	1613
-16-98 15:00	0.0	1593	1520
-16-98 16:00	0.0	1578	1597
-16-98 17:00	0.0	1162	1388
-16-98 18:00	0.0	1491	1453
-16-98 19:00	0.0	1708	1602
-16-98 20:00	0.0	1770	1634
-16-98 21:00	0.0	1773	1616

ACIUE Down

Koppers Industries
Tie Plant Road
Daily Summary

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FROM 01/01/98 00:00 TO 06/30/98 23:59

*METER
DOWN*

Date/ Time	Opacity %	Cell 1 F	Cell 2 F
-12-98 04:00	0.0	1218	1214
-12-98 05:00	0.0	1133	1145
-12-98 06:00	0.0	1338	1255
-12-98 07:00	0.0	1346	1369
-12-98 08:00	0.0	1319	1241
-12-98 09:00	0.0	1221	1196
-12-98 10:00	0.0	1362	1281
-12-98 11:00	0.0	1219	1243
-12-98 12:00	0.0	959	1049
-12-98 13:00	0.0	1111	1022
-12-98 14:00	0.0	992	837
-12-98 15:00	0.0	1285	901
-12-98 16:00	0.0	1226	833
-12-98 17:00	0.0	1259	846
-12-98 18:00	0.0	1207	841
-12-98 19:00	0.0	1175	936
-12-98 20:00	0.0	1189	1000
-12-98 21:00	0.0	1101	989
-12-98 22:00	0.0	1406	1144
-12-98 23:00	0.0	1281	1127
-12-98 00:00	0.0	1061	955
-14-98 01:00	0.0	468	419
-14-98 02:00	0.0	379	353
-14-98 03:00	0.0	328	323
-14-98 04:00	0.0	311	313
-14-98 05:00	0.0	345	342
-14-98 06:00	0.0	343	342
-14-98 07:00	0.0	335	335
-14-98 08:00	0.0	327	328
-14-98 09:00	0.0	319	321
-14-98 10:00	0.0	312	316
-14-98 11:00	0.0	305	310
-14-98 12:00	0.0	299	306
-14-98 13:00	0.0	286	297
-14-98 14:00	0.0	287	296
-14-98 15:00	0.0	282	293
-14-98 16:00	0.0	278	289
-14-98 17:00	0.0	273	286
-14-98 18:00	0.0	269	283
-14-98 19:00	0.0	265	279
-14-98 20:00	0.0	261	275
-14-98 21:00	0.0	257	272
-14-98 22:00	0.0	253	268
-14-98 23:00	0.0	249	266
-14-98 00:00	0.0	246	263

BOILER DOWN

Koppers Industries
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FROM 01/01/98 00:00 TO 06/30/98 23:59

Date/ Time	Opacity %	METER Cell 1		Cell 2	
		Down	F	F	
14-98 22:00	0.0		1806	1688	
16-98 23:00	0.0		1843	1643	
17-98 00:00	0.0		1803	1689	
17-98 01:00	0.0		1831	1693	
17-98 02:00	0.0		1814	1668	
17-98 03:00	0.0		1142	1344	
17-98 04:00	0.0		1273	1197	
17-98 05:00	0.0		1152	1224	
17-98 06:00	0.0		1165	1213	
17-98 07:00	0.0		1123	1152	
17-98 08:00	0.0		1504	1467	
17-98 09:00	0.0		1628	1667	
17-98 10:00	0.0		1597	1695	
17-98 11:00	0.0		1412	1594	
17-98 12:00	0.0		1606	1692	
17-98 13:00	0.0		1612	1676	
17-98 14:00	0.0		1379	1393	
17-98 15:00	0.0		1002	992	
17-98 16:00	0.0		918	829	
17-98 17:00	0.0		611	616	
17-98 18:00	0.0		545	557	
17-98 19:00	0.0		977	927	
17-98 20:00	0.0		914	852	
17-98 21:00	0.0		564	567	
17-98 22:00	0.0		497	504	
17-98 23:00	0.0		632	624	
18-98 00:00	0.0		1150	1020	
18-98 01:00	0.0		1011	886	
18-98 02:00	0.0		988	815	
18-98 03:00	0.0		969	816	
18-98 04:00	0.0		1071	908	
18-98 05:00	0.0		989	837	
18-98 06:00	0.0		1043	942	BOILER DOWN
18-98 07:00	0.0		944	796	
18-98 08:00	0.0		934	777	
18-98 09:00	0.0		935	862	
18-98 10:00	0.0		1090	925	
18-98 11:00	0.0		1102	887	
18-98 12:00	0.0		939	879	
18-98 13:00	0.0		1103	944	
18-98 14:00	0.0		1075	1020	
18-98 15:00	0.0		1014	1048	
18-98 16:00	0.0		820	870	
18-98 17:00	0.0		922	942	
18-98 18:00	0.0		1055	1056	

Koppers Industries
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FROM 01/01/98 00:00 TO 06/30/98 23:59

Date/ Time	Opacity	Cell 1	Cell 2
	%	F	F
18-98 19:00	0.0	910	1016
18-98 20:00	0.0	1000	1087
18-98 21:00	0.0	934	1002
18-98 22:00	0.0	868	958
18-98 23:00	0.0	838	803
19-98 00:00	0.0	1026	960
19-98 01:00	0.0	882	806
19-98 02:00	0.0	736	699
19-98 03:00	0.0	986	861
19-98 04:00	0.0	899	903
19-98 05:00	0.0	964	955
19-98 06:00	0.0	1056	1119
19-98 07:00	0.0	967	1092
19-98 08:00	0.0	959	1035
19-98 09:00	0.0	945	1050
19-98 10:00	0.0	953	1052
19-98 11:00	0.0	848	1003
19-98 12:00	0.0	722	954
19-98 13:00	0.0	824	949
19-98 14:00	0.0	973	1069
19-98 15:00	0.0	938	900
19-98 16:00	0.0	957	1028
19-98 17:00	0.0	926	1058
19-98 18:00	0.0	1134	1134
19-98 19:00	0.0	1226	1217
19-98 20:00	0.0	1308	1245
19-98 21:00	0.0	1297	1279
19-98 22:00	0.0	1195	1161
19-98 23:00	0.0	1063	1131
20-98 00:00	0.0	1052	987
20-98 01:00	0.0	1278	1223
20-98 02:00	0.0	1218	1090
20-98 03:00	0.0	1149	1128
20-98 04:00	0.0	1011	1044
20-98 05:00	0.0	1172	1139
20-98 06:00	0.0	1040	1037
20-98 07:00	0.0	1066	1055
20-98 08:00	0.0	1124	1060
20-98 09:00	0.0	1131	1078
20-98 10:00	0.0	1055	1079
20-98 11:00	0.0	1023	1055
20-98 12:00	0.0	1066	1014
20-98 13:00	0.0	1067	1030
20-98 14:00	0.0	1048	1022
20-98 15:00	0.0	1013	1018

Boiler Down

METER
DOWN

Koppers Industries
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FROM 01/01/98 00:00 TO 06/30/98 23:59

Date/ Time	Opacity	METER DOWN	
		Cell 1	Cell 2
		F	F
20-98 16:00	0.0	1124	1116
20-98 17:00	0.0	887	992
20-98 18:00	0.0	1229	1059
20-98 19:00	0.0	1110	1005
20-98 20:00	0.0	940	817
20-98 21:00	0.0	932	840
20-98 22:00	0.0	1001	823
20-98 23:00	0.0	931	945
21-98 00:00	0.0	1105	968
21-98 01:00	0.0	1077	964
21-98 02:00	0.0	1062	979
21-98 03:00	0.0	756	677
21-98 04:00	0.0	449	440
21-98 05:00	0.0	434	431
21-98 06:00	0.0	410	409
21-98 07:00	0.0	391	393
21-98 08:00	0.0	377	379
21-98 09:00	0.0	364	368
21-98 10:00	0.0	353	359
21-98 11:00	0.0	344	350
21-98 12:00	0.0	335	342
21-98 13:00	0.0	327	336
21-98 14:00	0.0	320	329
21-98 15:00	0.0	313	323
21-98 16:00	0.0	306	317
21-98 17:00	0.0	300	312
21-98 18:00	0.0	294	306
21-98 19:00	0.0	288	301
21-98 20:00	0.0	283	296
21-98 21:00	0.0	278	291
21-98 22:00	0.0	273	287
21-98 23:00	0.0	269	283
22-98 00:00	0.0	265	280
22-98 01:00	0.0	261	277
22-98 02:00	0.0	258	274
22-98 03:00	0.0	452	469
22-98 04:00	0.0	786	845
22-98 05:00	0.0	759	894
22-98 06:00	0.0	865	883
22-98 07:00	0.0	869	878
22-98 08:00	0.0	840	919
22-98 09:00	0.0	898	1001
22-98 10:00	0.0	899	915
22-98 11:00	0.0	834	858
22-98 12:00	0.0	868	887

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FROM 01/01/98 00:00 TO 06/30/98 23:59

Date/Time	Opacity %	METER DOWN	
		Cell 1 F	Cell 2 F
22-98 13:00	0.0	918	935
22-98 14:00	0.0	831	836
22-98 15:00	0.0	677	515
22-98 16:00	0.0	894	1019
22-98 17:00	0.0	1045	1074
22-98 18:00	0.0	956	1004
22-98 19:00	0.0	966	997
22-98 20:00	0.0	820	901
22-98 21:00	0.0	945	945
22-98 22:00	0.0	998	1013
22-98 23:00	0.0	1148	1138
23-98 00:00	0.0	997	1057
23-98 01:00	0.0	1084	1093
23-98 02:00	0.0	1225	1139
23-98 03:00	0.0	1193	1179
23-98 04:00	0.0	1205	1184
23-98 05:00	0.0	1247	1123
23-98 06:00	0.0	1065	1030
23-98 07:00	0.0	965	1014
23-98 08:00	0.0	916	939
23-98 09:00	0.0	837	924
23-98 10:00	0.0	834	941
23-98 11:00	0.0	809	894
23-98 12:00	0.0	864	1060
23-98 13:00	0.0	834	1046
23-98 14:00	0.0	864	1120
23-98 15:00	0.0	782	1080
23-98 16:00	0.0	817	1037
23-98 17:00	0.0	845	1020
23-98 18:00	0.0	859	1076
23-98 19:00	0.0	829	1048
23-98 20:00	0.0	891	938
23-98 21:00	0.0	1009	1052
23-98 22:00	0.0	1094	1088
23-98 23:00	0.0	1111	1084
24-98 00:00	0.0	1079	1077
24-98 01:00	0.0	1088	1095
24-98 02:00	0.0	1022	980
24-98 03:00	0.0	848	907
24-98 04:00	0.0	1000	1074
24-98 05:00	0.0	988	1070
24-98 06:00	0.0	980	970
24-98 07:00	0.0	961	1013
24-98 08:00	0.0	1044	1173
24-98 09:00	0.0	952	996

Koppers Industries
Tie Plant Road
Daily Summary

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FROM 01/01/98 00:00 TO 06/30/98 23:59

Date/Time	Opacity %	METER DOWN	
		Cell 1 F	Cell 2 F
24-98 10:00	0.0	943	964
24-98 11:00	0.0	856	925
24-98 12:00	0.0	811	1021
24-98 13:00	0.0	832	939
24-98 14:00	0.0	976	1028
24-98 15:00	0.0	1009	987
24-98 16:00	0.0	933	1066
24-98 17:00	0.0	850	1053
24-98 18:00	0.0	948	1136
24-98 19:00	0.0	937	888
24-98 20:00	0.0	870	894
24-98 21:00	0.0	910	914
24-98 22:00	0.0	1041	992
24-98 23:00	0.0	1080	1032
25-98 00:00	0.0	1042	961
25-98 01:00	0.0	1092	970
25-98 02:00	0.0	1052	986
25-98 03:00	0.0	1027	968
25-98 04:00	0.0	1036	942
25-98 05:00	0.0	943	934
25-98 06:00	0.0	802	706
25-98 07:00	0.0	978	955
25-98 08:00	0.0	1033	1000
25-98 09:00	0.0	897	963
25-98 10:00	0.0	1086	1085
25-98 11:00	0.0	1019	1067
25-98 12:00	0.0	950	1041
25-98 13:00	0.0	1067	1097
25-98 14:00	0.0	973	983
25-98 15:00	0.0	994	965
25-98 16:00	0.0	945	1006
25-98 17:00	0.0	920	1039
25-98 18:00	0.0	1026	951
25-98 19:00	0.0	907	946
25-98 20:00	0.0	975	1061
25-98 21:00	0.0	1047	1071
25-98 22:00	0.0	909	979
25-98 23:00	0.0	917	1024
26-98 00:00	0.0	852	954
26-98 01:00	0.0	841	982
26-98 02:00	0.0	992	1088
26-98 03:00	0.0	905	675
26-98 04:00	0.0	1072	612
26-98 05:00	0.0	1056	819
26-98 06:00	0.0	1031	1112

Koppers Industries
Tie Plant Road
Daily Summary

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FROM 01/01/98 00:00 TO 06/30/98 23:59

Date/ Time	Opacity	METER Down Cell 1	Cell 2
		F	F
-25-98 07:00	0.0	784	993
-26-98 08:00	0.0	771	922
-26-98 09:00	0.0	743	789
-26-98 10:00	0.0	803	699
-26-98 11:00	0.0	973	1040
-26-98 12:00	0.0	1013	975
-26-98 13:00	0.0	1048	941
-26-98 14:00	0.0	1037	940
-26-98 15:00	0.0	1065	945
-26-98 16:00	0.0	1155	1066
-26-98 17:00	0.0	1178	1156
-26-98 18:00	0.0	950	805
-26-98 19:00	0.0	987	872
-26-98 20:00	0.0	1000	870
-26-98 21:00	0.0	1041	890
-26-98 22:00	0.0	993	870
-26-98 23:00	0.0	1035	930
-27-98 00:00	0.0	1097	1001
-27-98 01:00	0.0	1174	1012
-27-98 02:00	0.0	992	860
-27-98 03:00	0.0	946	844
-27-98 04:00	0.0	1024	953
-27-98 05:00	0.0	944	1047
-27-98 06:00	0.0	970	1112
-27-98 07:00	0.0	801	1031
-27-98 08:00	0.0	767	1005
-27-98 09:00	0.0	893	1136
-27-98 10:00	0.0	926	1102
-27-98 11:00	0.0	910	1116
-27-98 12:00	0.0	807	1133
-27-98 13:00	0.0	777	872
-27-98 14:00	0.0	989	815
-27-98 15:00	0.0	1007	927
-27-98 16:00	0.0	964	1022
-27-98 17:00	0.0	932	986
-27-98 18:00	0.0	1073	1135
-27-98 19:00	0.0	1174	1254
-27-98 20:00	0.0	1126	1140
-27-98 21:00	0.0	897	1035
-27-98 22:00	0.0	1070	1100
-27-98 23:00	0.0	1045	1113
-28-98 00:00	0.0	909	1069
-28-98 01:00	0.0	972	1124
-28-98 02:00	0.0	914	1068
-28-98 03:00	0.0	822	1006

Koppers Industries
Tie Plant Road
Daily Summary

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FROM 01/01/98 00:00 TO 06/30/98 23:59

Date / Time	Opacity	<i>METER</i> <i>Down</i> Cell 1 F	Cell 2 F
-28-98 04:00	0.0	739	927
-28-98 05:00	0.0	493	518
-28-98 06:00	0.0	445	486
-28-98 07:00	0.0	418	452
-28-98 08:00	0.0	399	429
-28-98 09:00	0.0	383	412
-28-98 10:00	0.0	371	398
-28-98 11:00	0.0	359	385
-28-98 12:00	0.0	350	374
-28-98 13:00	0.0	340	365
-28-98 14:00	0.0	332	356
-28-98 15:00	0.0	324	348
-28-98 16:00	0.0	316	341
-28-98 17:00	0.0	309	334
-28-98 18:00	0.0	303	327
-28-98 19:00	0.0	296	319
-28-98 20:00	0.0	290	312
-28-98 21:00	0.0	284	307
-28-98 22:00	0.0	279	301
-28-98 23:00	0.0	274	298
-29-98 00:00	0.0	270	294
-29-98 01:00	0.0	266	289
-29-98 02:00	0.0	262	285
-29-98 03:00	0.0	256	280
-29-98 04:00	0.0	476	494
-29-98 05:00	0.0	435	486
-29-98 06:00	0.0	1000	962
-29-98 07:00	0.0	1093	1023
-29-98 08:00	0.0	886	1022
-29-98 09:00	0.0	924	1133
-29-98 10:00	0.0	822	988
-29-98 11:00	0.0	1009	986
-29-98 12:00	0.0	1031	1110
-29-98 13:00	0.0	1413	1488
-29-98 14:00	0.0	1624	1663
-29-98 15:00	0.0	1695	1579
-29-98 16:00	0.0	1693	1672
-29-98 17:00	0.0	1569	1579
-29-98 18:00	0.0	1259	1228
-29-98 19:00	0.0	1493	1545
-29-98 20:00	0.0	1611	1614
-29-98 21:00	0.0	1658	1652
-29-98 22:00	0.0	1341	1227
-29-98 23:00	0.0	1182	1189
-29-98 00:00	0.0	1154	1140

BOILER DOWN

Koppers Industries
Tie Plant Road
Daily Summary

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FROM 01/01/98 00:00 TO 06/30/98 23:59

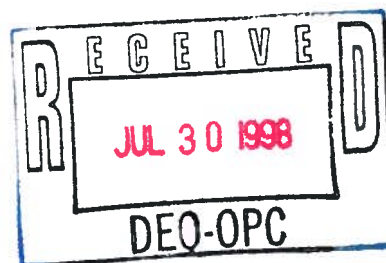
Date/ Time	Opacity %	<i>METER</i> Down	
		Cell 1 F	Cell 2 F
-30-98 01:00	0.0	991	1124
-30-98 02:00	0.0	1064	1189
-30-98 03:00	0.0	1207	1296
-30-98 04:00	0.0	1472	1444
-30-98 05:00	0.0	1697	1637
-30-98 06:00	0.0	1626	1577
-30-98 07:00	0.0	1646	1560
-30-98 08:00	0.0	1584	1571
-30-98 09:00	0.0	1620	1586
-30-98 10:00	0.0	1653	1500
-30-98 11:00	0.0	1367	1382
-30-98 12:00	0.0	1457	1388
-30-98 13:00	0.0	1379	1414
-30-98 14:00	0.0	1461	1531
-30-98 15:00	0.0	1460	1399
-30-98 16:00	0.0	1149	1238
-30-98 17:00	0.0	1319	1394
-30-98 18:00	0.0	1381	1423
-30-98 19:00	0.0	1321	1389
-30-98 20:00	0.0	1231	1369
-30-98 21:00	0.0	1494	1554
-30-98 22:00	0.0	1330	1310
-30-98 23:00	0.0	1498	1471

FROM 01/01/98 00:00 TO 06/30/98 23:59

Date/ Time	Opacity %	Cell 1	Cell 2
		F	F
01-01-98 00:00	5.0	1171	1265
01-01-98 01:00	3.1	1285	1290
01-01-98 02:00	3.9	1249	1254
01-01-98 03:00	5.1	1220	1221
01-01-98 04:00	4.6	1313	1261
01-01-98 05:00	4.1	1126	826
01-01-98 06:00	6.5	408	454
01-01-98 07:00	1.8	388	383
01-01-98 08:00	1.3	386	391
01-01-98 09:00	1.2	363	372
01-01-98 10:00	1.2	347	356
01-01-98 11:00	1.1	333	343
01-01-98 12:00	1.1	321	334
01-01-98 13:00	1.1	311	325
01-01-98 14:00	1.2	301	317
01-01-98 15:00	1.1	291	310
01-01-98 16:00	1.1	285	300
01-01-98 17:00	1.1	278	292
01-01-98 18:00	1.1	268	284
01-01-98 19:00	1.0	261	277
01-01-98 20:00	1.0	254	271
01-01-98 21:00	1.0	249	267
01-01-98 22:00	1.0	245	262
01-01-98 23:00	1.0	241	259
01-02-98 00:00	1.0	236	255
01-02-98 01:00	1.0	232	251
01-02-98 02:00	1.0	228	247
01-02-98 03:00	1.0	225	245
01-02-98 04:00	1.0	221	243
01-02-98 05:00	1.1	219	241
01-02-98 06:00	1.1	216	238
01-02-98 07:00	1.1	213	236
01-02-98 08:00	1.1	213	235
01-02-98 09:00	1.2	208	231
01-02-98 10:00	1.2	208	230
01-02-98 11:00	1.2	208	230
01-02-98 12:00	1.2	207	230
01-02-98 13:00	1.2	206	229
01-02-98 14:00	1.2	205	228
01-02-98 15:00	1.2	204	227
01-02-98 16:00	1.2	202	226
01-02-98 17:00	1.2	200	224
01-02-98 18:00	1.1	199	223
01-02-98 19:00	1.1	197	221
01-02-98 20:00	1.1	195	220

NO TREATED WOOD BURNED

1-1 TO 1-6



FROM 01/01/98 00:00 TO 06/30/98 23:59

Date/ Time	Opacity %	Cell 1	Cell 2
		F	F
01-02-98 21:00	1.1	194	218
01-02-98 22:00	1.1	193	217
01-02-98 23:00	1.1	192	216
01-03-98 00:00	1.9	191	215
01-03-98 01:00	1.2	190	214
01-03-98 02:00	1.2	190	214
01-03-98 03:00	1.2	189	214
01-03-98 04:00	1.2	188	212
01-03-98 05:00	1.2	188	212
01-03-98 06:00	1.5	186	211
01-03-98 07:00	2.1	186	211
01-03-98 08:00	1.7	185	210
01-03-98 09:00	1.7	185	210
01-03-98 10:00	1.4	185	211
01-03-98 11:00	1.4	186	211
01-03-98 12:00	1.3	186	212
01-03-98 13:00	1.3	186	212
01-03-98 14:00	1.2	186	212
01-03-98 15:00	1.3	185	212
01-03-98 16:00	1.2	185	211
01-03-98 17:00	1.3	184	210
01-03-98 18:00	1.3	183	209
01-03-98 19:00	1.2	182	208
01-03-98 20:00	1.2	181	207
01-03-98 21:00	1.2	180	206
01-03-98 22:00	1.2	179	205
01-03-98 23:00	1.2	179	204
01-04-98 00:00	1.3	178	204
01-04-98 01:00	1.3	178	204
01-04-98 02:00	1.3	178	203
01-04-98 03:00	1.3	177	203
01-04-98 04:00	1.3	177	203
01-04-98 05:00	1.3	177	203
01-04-98 06:00	1.3	176	202
01-04-98 07:00	1.3	176	202
01-04-98 08:00	1.4	176	202
01-04-98 09:00	1.4	176	202
01-04-98 10:00	1.4	177	203
01-04-98 11:00	1.4	177	204
01-04-98 12:00	1.4	177	204
01-04-98 13:00	1.3	177	204
01-04-98 14:00	1.3	177	204
01-04-98 15:00	1.3	177	204
01-04-98 16:00	1.3	177	204
01-04-98 17:00	1.3	177	204

NO TREATED WOOD

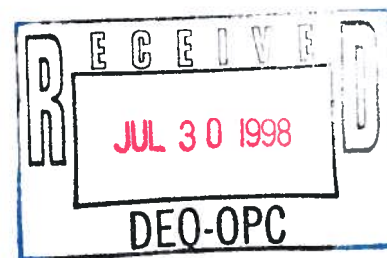
1-1 TC 1-6



FROM 01/01/98 00:00 TO 06/30/98 23:59

Date/ Time	Opacity %	Cell 1 F	Cell 2 F
01-04-98 18:00	1.3	176	203
01-04-98 19:00	1.3	176	203
01-04-98 20:00	1.4	176	203
01-04-98 21:00	1.4	176	203
01-04-98 22:00	1.4	176	203
01-04-98 23:00	1.4	176	203
01-05-98 00:00	1.4	176	202
01-05-98 01:00	1.3	175	202
01-05-98 02:00	1.3	175	202
01-05-98 03:00	1.4	175	202
01-05-98 04:00	11.2	326	366
01-05-98 05:00	7.4	1118	1327
01-05-98 06:00	5.0	1123	1257
01-05-98 07:00	3.1	1210	1238
01-05-98 08:00	3.0	1561	1316
01-05-98 09:00	3.7	1835	1797
01-05-98 10:00	5.1	2092	1963
01-05-98 11:00	2.3	1882	1877
01-05-98 12:00	3.2	1929	1448
01-05-98 13:00	7.2	1066	1226
01-05-98 14:00	4.0	1537	1592
01-05-98 15:00	3.3	1729	1706
01-05-98 16:00	3.0	1888	1770
01-05-98 17:00	5.0	1006	1088
01-05-98 18:00	3.9	1350	1098
01-05-98 19:00	3.2	1363	1302
01-05-98 20:00	2.4	1399	1365
01-05-98 21:00	2.6	1684	1639
01-05-98 22:00	2.7	1816	1613
01-05-98 23:00	3.1	1399	1057
01-06-98 00:00	3.9	1326	1197
01-06-98 01:00	5.7	1076	1166
01-06-98 02:00	3.1	1251	1404
01-06-98 03:00	2.9	1268	1410
01-06-98 04:00	4.2	1227	1287
01-06-98 05:00	5.5	1148	1127
01-06-98 06:00	3.3	1279	1335
01-06-98 07:00	3.4	1267	1178
01-06-98 08:00	3.7	1310	1147
01-06-98 09:00	4.9	1283	1414
01-06-98 10:00	3.7	1238	1400
01-06-98 11:00	3.1	1333	1395
01-06-98 12:00	3.3	1470	1336
01-06-98 13:00	10.0	1504	1420
01-06-98 14:00	5.8	1322	1348

NO TREATED WOOD 1-1 TO 1-6



Koppers Industries
Tie Plant Road
Daily Summary

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FROM 01/01/98 00:00 TO 06/30/98 23:59

Date/ Time	Opacity %	Cell 1 F	Cell 2 F
01-06-98 15:00	4.0	1400	1365
01-06-98 16:00	3.5	1381	1270
01-06-98 17:00	3.8	1439	1410
01-06-98 18:00	3.2	1575	1423
01-06-98 19:00	3.1	1483	1346
01-06-98 20:00	5.5	1269	1246
01-06-98 21:00	3.5	1840	1570
01-06-98 22:00	4.4	1722	1593
01-06-98 23:00	4.8	1642	1541
01-07-98 00:00	3.9	1745	1650
01-07-98 01:00	4.1	1718	1489
01-07-98 02:00	7.0	1056	1057
01-07-98 03:00	4.2	1350	1218
01-07-98 04:00	5.0	1235	1080
01-07-98 05:00	4.0	1602	1549
01-07-98 06:00	8.3	1733	1682
01-07-98 07:00	4.7	1665	1597
01-07-98 08:00	4.6	1648	1591
01-07-98 09:00	2.8	1390	1200
01-07-98 10:00	2.4	563	502
01-07-98 11:00	1.5	507	489
01-07-98 12:00	1.9	474	468
01-07-98 13:00	1.4	409	405
01-07-98 14:00	6.4	754	676
01-07-98 15:00	4.2	1709	1493
01-07-98 16:00	5.0	1674	1456
01-07-98 17:00	4.7	1487	1410
01-07-98 18:00	3.7	1431	1165
01-07-98 19:00	2.5	1683	1466
01-07-98 20:00	3.7	1343	1306
01-07-98 21:00	4.9	1390	1088
01-07-98 22:00	3.2	1540	1261
01-07-98 23:00	3.1	1479	1254
01-08-98 00:00	3.3	1677	1333
01-08-98 01:00	3.9	1353	1180
01-08-98 02:00	4.5	1405	1219
01-08-98 03:00	4.9	1371	1185
01-08-98 04:00	4.6	1339	1161
01-08-98 05:00	4.0	1813	1452
01-08-98 06:00	2.7	1852	1406
01-08-98 07:00	3.5	1738	1558
01-08-98 08:00	3.4	1612	1537
01-08-98 09:00	2.6	1742	1476
01-08-98 10:00	3.2	1684	1389
01-08-98 11:00	3.9	1703	1579

NO TREATED WOOD BURNED

Koppers Industries
Tie Plant Road
Daily Summary

Page 5

FROM 01/01/98 00:00 TO 06/30/98 23:59

Date/ Time	Opacity %	Cell 1 F	Cell 2 F
01-08-98 12:00	2.8	1841	1649
01-08-98 13:00	4.4	1264	1284
01-08-98 14:00	4.3	1677	1211
01-08-98 15:00	4.0	1635	1318
01-08-98 16:00	3.0	1687	1511
01-08-98 17:00	2.9	1734	1328
01-08-98 18:00	3.8	1765	1648
01-08-98 19:00	4.3	1318	1170
01-08-98 20:00	3.3	1585	1416
01-08-98 21:00	3.6	1588	1344
01-08-98 22:00	4.2	1653	1554
01-08-98 23:00	3.7	1594	1498
01-09-98 00:00	3.5	1658	1522
01-09-98 01:00	4.2	1569	1374
01-09-98 02:00	5.0	1266	875
01-09-98 03:00	4.6	1244	1015
01-09-98 04:00	4.5	1323	1240
01-09-98 05:00	2.8	1219	1278
01-09-98 06:00	2.9	1205	1301
01-09-98 07:00	3.5	1265	1318
01-09-98 08:00	3.0	1370	1501
01-09-98 09:00	3.3	1189	1055
01-09-98 10:00	3.3	1393	1384
01-09-98 11:00	3.6	1358	1417
01-09-98 12:00	3.1	1482	1423
01-09-98 13:00	9.7	898	622
01-09-98 14:00	5.3	1133	1191
01-09-98 15:00	4.1	1122	1152
01-09-98 16:00	3.6	1280	1435
01-09-98 17:00	2.6	1129	1276
01-09-98 18:00	5.9	969	1007
01-09-98 19:00	4.8	997	1078
01-09-98 20:00	4.7	993	1144
01-09-98 21:00	2.6	1109	1291
01-09-98 22:00	3.4	1276	1287
01-09-98 23:00	3.1	1320	1305
01-10-98 00:00	2.6	1310	1285
01-10-98 01:00	3.4	1269	1184
01-10-98 02:00	3.2	1197	1293
01-10-98 03:00	3.1	1103	1183
01-10-98 04:00	3.7	1018	1175
01-10-98 05:00	13.1	1049	1113
01-10-98 06:00	6.5	466	526
01-10-98 07:00	1.3	462	460
01-10-98 08:00	1.5	433	435

NO TREATED WOOD BURNED
1-10 + 1-11

Koppers Industries
Tie Plant Road
Daily Summary

Page 6

FROM 01/01/98 00:00 TO 06/30/98 23:59

Date/ Time	Opacity %	Cell 1 F	Cell 2 F
01-10-98 09:00	1.4	409	413
01-10-98 10:00	1.4	390	396
01-10-98 11:00	1.3	375	383
01-10-98 12:00	1.3	361	370
01-10-98 13:00	1.3	349	359
01-10-98 14:00	1.3	338	349
01-10-98 15:00	1.3	329	341
01-10-98 16:00	1.2	320	332
01-10-98 17:00	1.2	311	324
01-10-98 18:00	1.2	303	317
01-10-98 19:00	1.2	296	310
01-10-98 20:00	1.2	289	304
01-10-98 21:00	1.2	283	299
01-10-98 22:00	1.2	277	293
01-10-98 23:00	1.2	272	288
01-11-98 00:00	1.2	267	283
01-11-98 01:00	1.2	262	280
01-11-98 02:00	1.3	258	276
01-11-98 03:00	1.3	255	273
01-11-98 04:00	1.3	251	269
01-11-98 05:00	1.3	247	266
01-11-98 06:00	1.3	244	264
01-11-98 07:00	1.2	241	261
01-11-98 08:00	1.3	239	259
01-11-98 09:00	1.3	235	256
01-11-98 10:00	1.4	233	253
01-11-98 11:00	1.3	230	251
01-11-98 12:00	1.4	228	249
01-11-98 13:00	1.4	227	248
01-11-98 14:00	1.4	225	246
01-11-98 15:00	1.4	222	244
01-11-98 16:00	1.3	220	242
01-11-98 17:00	1.3	218	240
01-11-98 18:00	1.3	217	239
01-11-98 19:00	1.3	215	237
01-11-98 20:00	1.3	213	236
01-11-98 21:00	1.3	212	234
01-11-98 22:00	1.3	210	233
01-11-98 23:00	1.3	209	232
01-12-98 00:00	2.1	208	231
01-12-98 01:00	1.3	206	230
01-12-98 02:00	1.3	204	227
01-12-98 03:00	1.3	202	225
01-12-98 04:00	10.1	247	317
01-12-98 05:00	5.0	1026	1079

BOILER DOWN

Koppers Industries
Tie Plant Road
Daily Summary

Page 7

FROM 01/01/98 00:00 TO 06/30/98 23:59

Date/ Time	Opacity %	Cell 1 F	Cell 2 F
01-12-98 06:00	4.0	1014	1090
01-12-98 07:00	5.7	1032	1134
01-12-98 08:00	4.0	982	1109
01-12-98 09:00	4.1	956	1118
01-12-98 10:00	5.1	939	1088
01-12-98 11:00	4.4	1137	1181
01-12-98 12:00	5.5	1077	1010
01-12-98 13:00	7.8	1047	1059
01-12-98 14:00	7.1	905	959
01-12-98 15:00	4.6	1250	1344
01-12-98 16:00	3.2	1254	1283
01-12-98 17:00	3.7	1220	1308
01-12-98 18:00	4.3	1170	1235
01-12-98 19:00	8.3	979	858
01-12-98 20:00	5.2	1098	1057
01-12-98 21:00	5.6	884	1173
01-12-98 22:00	4.6	1256	1392
01-12-98 23:00	3.9	1343	1321
01-13-98 00:00	5.2	1058	816
01-13-98 01:00	5.5	1141	1320
01-13-98 02:00	7.2	1055	1157
01-13-98 03:00	3.5	1128	1175
01-13-98 04:00	6.1	1044	867
01-13-98 05:00	7.5	1023	1094
01-13-98 06:00	5.0	1032	1059
01-13-98 07:00	4.3	1037	1070
01-13-98 08:00	4.1	1056	1174
01-13-98 09:00	3.9	1290	1320
01-13-98 10:00	3.1	1189	1263
01-13-98 11:00	4.2	1121	1283
01-13-98 12:00	4.2	1138	1311
01-13-98 13:00	4.5	1255	957
01-13-98 14:00	5.3	1314	848
01-13-98 15:00	9.2	942	966
01-13-98 16:00	6.6	1164	1242
01-13-98 17:00	5.6	1208	1379
01-13-98 18:00	3.6	1257	1345
01-13-98 19:00	5.6	986	1196
01-13-98 20:00	6.5	1173	1015
01-13-98 21:00	4.5	1242	1428
01-13-98 22:00	5.1	1199	1326
01-13-98 23:00	5.2	1306	1272
01-14-98 00:00	4.9	1343	1345
01-14-98 01:00	8.0	1162	1275
01-14-98 02:00	7.7	1197	1067

Koppers Industries
Tie Plant Road
Daily Summary

Page 8

FROM 01/01/98 00:00 TO 06/30/98 23:59

Date/ Time	Opacity %	Cell 1 F	Cell 2 F
01-14-98 03:00	4.4	1282	1152
01-14-98 04:00	7.0	1089	1153
01-14-98 05:00	6.4	1185	1195
01-14-98 06:00	3.6	1235	1400
01-14-98 07:00	4.0	1212	1433
01-14-98 08:00	4.1	1161	1326
01-14-98 09:00	3.4	1249	1348
01-14-98 10:00	4.3	1207	1332
01-14-98 11:00	3.7	1707	1728
01-14-98 12:00	2.8	1769	1507
01-14-98 13:00	4.1	1501	1605
01-14-98 14:00	4.4	1369	1536
01-14-98 15:00	7.0	1313	1285
01-14-98 16:00	3.2	1335	1526
01-14-98 17:00	4.5	1243	1402
01-14-98 18:00	3.9	1484	1375
01-14-98 19:00	3.4	1403	1482
01-14-98 20:00	5.3	916	1343
01-14-98 21:00	5.3	1315	1154
01-14-98 22:00	4.8	1179	1210
01-14-98 23:00	6.8	1123	1132
01-15-98 00:00	3.9	1219	1231
01-15-98 01:00	2.6	1267	1429
01-15-98 02:00	2.8	1209	1315
01-15-98 03:00	8.0	966	981
01-15-98 04:00	16.4	1299	1043
01-15-98 05:00	6.3	1397	1357
01-15-98 06:00	2.9	1149	1289
01-15-98 07:00	2.8	1193	1239
01-15-98 08:00	3.3	1122	1124
01-15-98 09:00	3.2	1199	1249
01-15-98 10:00	2.4	1292	1342
01-15-98 11:00	2.6	1243	1448
01-15-98 12:00	2.9	1305	1444
01-15-98 13:00	2.8	1444	1335
01-15-98 14:00	3.2	1530	1646
01-15-98 15:00	4.6	1376	1419
01-15-98 16:00	4.2	1423	1485
01-15-98 17:00	7.1	607	613
01-15-98 18:00	11.3	1266	1016
01-15-98 19:00	6.8	1428	1191
01-15-98 20:00	3.7	1814	1653
01-15-98 21:00	3.7	1716	1579
01-15-98 22:00	3.5	1551	1570
01-15-98 23:00	2.9	1713	1380

NO TREATED WOOD BURNED
1-14

Koppers Industries
Tie Plant Road
Daily Summary

Page 9

FROM 01/01/98 00:00 TO 06/30/98 23:59

Date/ Time	Opacity %	Cell 1 F	Cell 2 F
01-16-98 00:00	5.9	1308	1249
01-16-98 01:00	4.4	1451	1513
01-16-98 02:00	6.6	1166	1396
01-16-98 03:00	5.2	1173	1162
01-16-98 04:00	4.0	1427	1414
01-16-98 05:00	3.9	1566	1565
01-16-98 06:00	3.0	1516	1540
01-16-98 07:00	4.4	1517	1614
01-16-98 08:00	4.4	1588	1623
01-16-98 09:00	2.9	1742	1737
01-16-98 10:00	5.9	1848	1807
01-16-98 11:00	3.3	1839	1745
01-16-98 12:00	4.6	1750	1755
01-16-98 13:00	6.2	1658	1451
01-16-98 14:00	5.6	1138	1264
01-16-98 15:00	3.0	1700	1690
01-16-98 16:00	2.9	1540	1534
01-16-98 17:00	3.4	1392	1316
01-16-98 18:00	2.4	1325	1255
01-16-98 19:00	2.4	1314	1246
01-16-98 20:00	4.5	1225	1246
01-16-98 21:00	2.7	1653	1661
01-16-98 22:00	2.4	1758	1672
01-16-98 23:00	2.6	1716	1691
01-17-98 00:00	3.4	1721	1713
01-17-98 01:00	2.6	1373	1320
01-17-98 02:00	3.4	1075	1165
01-17-98 03:00	6.1	1053	1028
01-17-98 04:00	4.3	1060	1154
01-17-98 05:00	13.6	1309	1434
01-17-98 06:00	2.9	1681	1626
01-17-98 07:00	2.7	1779	1724
01-17-98 08:00	3.6	1763	1763
01-17-98 09:00	2.6	1781	1726
01-17-98 10:00	4.0	1742	1670
01-17-98 11:00	3.1	1804	1781
01-17-98 12:00	2.2	1652	1673
01-17-98 13:00	6.4	1116	1093
01-17-98 14:00	4.2	1193	1154
01-17-98 15:00	3.0	1079	1175
01-17-98 16:00	2.1	1090	1268
01-17-98 17:00	1.9	1195	1368
01-17-98 18:00	2.8	1294	1276
01-17-98 19:00	2.6	1380	1302
01-17-98 20:00	2.3	1278	1253



Koppers Industries
Tie Plant Road
Daily Summary

Page 10

FROM 01/01/98 00:00 TO 06/30/98 23:59

Date/ Time	Opacity %	Cell 1 F	Cell 2 F
01-17-98 21:00	1.7	1368	1451
01-17-98 22:00	2.1	1277	1279
01-17-98 23:00	3.1	1176	1187
01-18-98 00:00	3.7	1110	1118
01-18-98 01:00	1.6	1266	1341
01-18-98 02:00	3.1	1217	1133
01-18-98 03:00	2.1	1244	783
01-18-98 04:00	5.2	1133	1143
01-18-98 05:00	26.4	1057	1118
01-18-98 06:00	3.0	1275	1343
01-18-98 07:00	2.4	1276	1346
01-18-98 08:00	2.4	1260	1287
01-18-98 09:00	2.6	1407	1351
01-18-98 10:00	2.6	1142	1208
01-18-98 11:00	2.2	1133	1200
01-18-98 12:00	2.6	1127	1161
01-18-98 13:00	2.7	1205	1120
01-18-98 14:00	2.7	1151	1145
01-18-98 15:00	2.7	1118	1231
01-18-98 16:00	2.2	1066	1279
01-18-98 17:00	2.0	1187	1262
01-18-98 18:00	2.5	1172	1199
01-18-98 19:00	2.9	1141	1175
01-18-98 20:00	3.3	1057	1200
01-18-98 21:00	2.5	1123	1237
01-18-98 22:00	2.6	1094	1087
01-18-98 23:00	7.6	825	735
01-19-98 00:00	3.6	1244	1150
01-19-98 01:00	5.0	1018	1049
01-19-98 02:00	4.9	1133	1043
01-19-98 03:00	3.9	1078	1123
01-19-98 04:00	4.0	1086	1084
01-19-98 05:00	4.9	1085	1032
01-19-98 06:00	5.5	1000	954
01-19-98 07:00	7.4	956	899
01-19-98 08:00	6.6	1009	964
01-19-98 09:00	5.3	983	1050
01-19-98 10:00	2.8	1253	1251
01-19-98 11:00	2.4	1257	1326
01-19-98 12:00	3.0	1275	1302
01-19-98 13:00	3.8	1230	1363
01-19-98 14:00	9.7	1313	1297
01-19-98 15:00	2.4	1359	1321
01-19-98 16:00	2.4	1424	1558
01-19-98 17:00	2.5	1630	1645

NO TREATED WOOD BURNED
1-18

Koppers Industries
Tie Plant Road
Daily Summary

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FROM 01/01/98 00:00 TO 06/30/98 23:59

Date/ Time	Opacity %	Cell 1 F	Cell 2 F
01-19-98 18:00	2.6	1376	1397
01-19-98 19:00	1.9	1329	1318
01-19-98 20:00	4.0	938	1131
01-19-98 21:00	3.0	1433	1629
01-19-98 22:00	2.4	1683	1359
01-19-98 23:00	2.1	1731	1428
01-20-98 00:00	3.6	1530	1669
01-20-98 01:00	4.7	1744	1849
01-20-98 02:00	3.0	1742	1559
01-20-98 03:00	3.2	1634	1850
01-20-98 04:00	3.3	1576	1539
01-20-98 05:00	6.5	1760	1750
01-20-98 06:00	3.1	1604	1903
01-20-98 07:00	2.7	1551	1913
01-20-98 08:00	2.4	1186	1507
01-20-98 09:00	3.6	1394	1209
01-20-98 10:00	3.1	1372	1389
01-20-98 11:00	3.7	1338	1614
01-20-98 12:00	2.9	1493	1332
01-20-98 13:00	4.0	1377	1159
01-20-98 14:00	3.8	1215	1402
01-20-98 15:00	3.5	1435	1641
01-20-98 16:00	3.0	1570	1834
01-20-98 17:00	2.6	1694	1524
01-20-98 18:00	3.5	1400	1139
01-20-98 19:00	3.4	1420	1253
01-20-98 20:00	4.5	1268	1152
01-20-98 21:00	3.1	1521	1655
01-20-98 22:00	2.8	1404	1318
01-20-98 23:00	3.0	1644	1511
01-21-98 00:00	3.8	1903	1605
01-21-98 01:00	2.7	1485	1378
01-21-98 02:00	4.5	1265	1233
01-21-98 03:00	3.6	1287	1248
01-21-98 04:00	8.1	1242	1198
01-21-98 05:00	3.2	1448	1592
01-21-98 06:00	3.5	1892	1992
01-21-98 07:00	3.7	2046	2096
01-21-98 08:00	2.8	2077	1863
01-21-98 09:00	6.0	2224	2168
01-21-98 10:00	2.8	2249	2015
01-21-98 11:00	5.4	2239	2028
01-21-98 12:00	4.0	1819	1225
01-21-98 13:00	4.3	1256	1452
01-21-98 14:00	3.1	1609	1705

Koppers Industries
Tie Plant Road
Daily Summary

Page 12

FROM 01/01/98 00:00 TO 06/30/98 23:59

Date/ Time	Opacity %	Cell 1 F	Cell 2 F
01-21-98 15:00	2.5	1817	1856
01-21-98 16:00	2.6	1983	1661
01-21-98 17:00	2.6	1967	1831
01-21-98 18:00	2.7	1815	1800
01-21-98 19:00	2.9	1182	1384
01-21-98 20:00	2.9	1459	1383
01-21-98 21:00	2.7	1716	1765
01-21-98 22:00	2.6	1752	1795
01-21-98 23:00	3.0	1758	1619
01-22-98 00:00	3.0	1948	1727
01-22-98 01:00	3.0	1475	1188
01-22-98 02:00	3.1	1396	1265
01-22-98 03:00	5.1	1329	1175
01-22-98 04:00	5.7	1213	1267
01-22-98 05:00	3.2	1532	1675
01-22-98 06:00	2.3	1493	1736
01-22-98 07:00	3.1	1725	1682
01-22-98 08:00	3.7	1756	1923
01-22-98 09:00	2.6	1750	1883
01-22-98 10:00	2.9	1546	1172
01-22-98 11:00	3.4	1297	1259
01-22-98 12:00	3.6	1283	1383
01-22-98 13:00	7.0	1217	1090
01-22-98 14:00	3.4	1100	1153
01-22-98 15:00	10.9	1066	1037
01-22-98 16:00	3.6	1149	1235
01-22-98 17:00	3.2	1677	1538
01-22-98 18:00	3.4	1558	1666
01-22-98 19:00	2.7	1496	1719
01-22-98 20:00	7.6	940	1008
01-22-98 21:00	9.4	1072	1090
01-22-98 22:00	3.6	1546	1612
01-22-98 23:00	3.0	1598	1563
01-23-98 00:00	2.5	1539	1413
01-23-98 01:00	3.1	1511	1148
01-23-98 02:00	3.6	1419	1241
01-23-98 03:00	4.0	1414	1275
01-23-98 04:00	7.7	1300	1280
01-23-98 05:00	3.0	1519	1402
01-23-98 06:00	2.7	1683	1487
01-23-98 07:00	3.0	1651	1133
01-23-98 08:00	3.6	1761	1740
01-23-98 09:00	3.3	1820	1751
01-23-98 10:00	2.8	1857	1798
01-23-98 11:00	3.2	2042	1480

Koppers Industries
Tie Plant Road
Daily Summary

Page 13

FROM 01/01/98 00:00 TO 06/30/98 23:59

Date/ Time	Opacity %	Cell 1 F	Cell 2 F
01-23-98 12:00	4.1	1750	1697
01-23-98 13:00	4.9	1278	1631
01-23-98 14:00	9.6	1684	1563
01-23-98 15:00	3.2	1647	1612
01-23-98 16:00	2.7	1447	1515
01-23-98 17:00	2.6	1386	1472
01-23-98 18:00	3.0	1384	1686
01-23-98 19:00	3.0	1379	1723
01-23-98 20:00	3.6	1189	1527
01-23-98 21:00	3.4	1482	1565
01-23-98 22:00	2.8	1358	1568
01-23-98 23:00	3.9	1466	1297
01-24-98 00:00	3.1	1562	1474
01-24-98 01:00	3.1	1488	1441
01-24-98 02:00	3.2	1360	1317
01-24-98 03:00	5.6	1308	1280
01-24-98 04:00	11.3	1487	1234
01-24-98 05:00	2.6	1443	1435
01-24-98 06:00	3.6	1589	1539
01-24-98 07:00	2.4	1813	1989
01-24-98 08:00	3.0	1806	1986
01-24-98 09:00	3.2	1753	1801
01-24-98 10:00	2.9	1879	1869
01-24-98 11:00	4.7	1649	1284
01-24-98 12:00	3.6	1378	1353
01-24-98 13:00	3.0	1463	1826
01-24-98 14:00	5.6	1108	1136
01-24-98 15:00	3.6	1746	1611
01-24-98 16:00	2.7	1920	1766
01-24-98 17:00	2.4	1988	1887
01-24-98 18:00	2.6	1289	1574
01-24-98 19:00	3.5	1552	1318
01-24-98 20:00	5.4	1461	1331
01-24-98 21:00	4.2	1641	1650
01-24-98 22:00	2.5	1664	1155
01-24-98 23:00	3.6	1837	1777
01-25-98 00:00	3.3	1619	1834
01-25-98 01:00	3.3	1664	1821
01-25-98 02:00	3.4	2036	1690
01-25-98 03:00	2.8	1834	1378
01-25-98 04:00	7.9	1139	1145
01-25-98 05:00	2.3	1371	1539
01-25-98 06:00	4.7	879	867
01-25-98 07:00	6.0	1373	1047
01-25-98 08:00	3.6	1927	1789

FROM 01/01/98 00:00 TO 06/30/98 23:59

Date/ Time	Opacity %	Cell 1	Cell 2
		F	F
1-25-98 09:00	2.9	1698	1841
1-25-98 10:00	5.4	1773	1631
1-25-98 11:00	2.5	2106	1382
1-25-98 12:00	3.1	1667	1812
1-25-98 13:00	5.2	1882	1725
1-25-98 14:00	3.1	2011	1706
1-25-98 15:00	3.3	1697	1330
1-25-98 16:00	2.3	1703	1570
1-25-98 17:00	3.2	1753	1073
1-25-98 18:00	2.1	1668	882
1-25-98 19:00	5.5	1153	1207
1-25-98 20:00	4.8	1114	1250
1-25-98 21:00	3.3	1562	944
1-25-98 22:00	3.2	1922	1188
1-25-98 23:00	3.3	1613	1288
1-26-98 00:00	5.1	1353	1203
1-26-98 01:00	6.1	1049	1052
1-26-98 02:00	4.7	1160	1102
1-26-98 03:00	3.5	1342	1202
1-26-98 04:00	5.3	1153	1099
1-26-98 05:00	3.1	1603	1569
1-26-98 06:00	2.9	1621	1527
1-26-98 07:00	9.4	1066	1043
1-26-98 08:00	4.0	1456	1627
1-26-98 09:00	3.2	1672	1951
1-26-98 10:00	4.2	1369	1338
1-26-98 11:00	2.6	1534	1577
1-26-98 12:00	4.4	1253	1416
1-26-98 13:00	2.9	1494	1632
1-26-98 14:00	5.1	1518	1747
1-26-98 15:00	3.4	1504	1806
1-26-98 16:00	3.2	1521	1327
1-26-98 17:00	3.0	1872	1904
1-26-98 18:00	2.7	1715	1884
1-26-98 19:00	4.1	1237	1365
1-26-98 20:00	3.8	1473	1510
1-26-98 21:00	3.8	1616	1803
1-26-98 22:00	3.1	1683	1803
1-26-98 23:00	3.0	1771	1684
1-27-98 00:00	2.6	1387	1564
1-27-98 01:00	2.5	1274	1371
1-27-98 02:00	3.4	1311	1324
1-27-98 03:00	4.4	1352	1280
1-27-98 04:00	9.5	1610	1562
1-27-98 05:00	2.2	1773	1717

FROM 01/01/98 00:00 TO 06/30/98 23:59

Date/ Time	Opacity %	Cell 1 F	Cell 2 F
01-27-98 06:00	2.3	1668	1467
01-27-98 07:00	3.0	1591	1731
01-27-98 08:00	3.1	1636	1644
01-27-98 09:00	2.9	1703	1566
01-27-98 10:00	3.1	1717	1639
01-27-98 11:00	2.9	1489	1408
01-27-98 12:00	4.7	1234	1431
01-27-98 13:00	3.8	1657	1663
01-27-98 14:00	3.1	1646	1737
01-27-98 15:00	2.9	1980	1681
01-27-98 16:00	3.2	1943	1879
01-27-98 17:00	3.1	2038	1708
01-27-98 18:00	3.0	1707	1545
01-27-98 19:00	4.7	1430	1073
01-27-98 20:00	2.4	878	1382
01-27-98 21:00	7.3	1666	1435
01-27-98 22:00	4.5	1409	1212
01-27-98 23:00	3.3	1394	1313
01-28-98 00:00	3.1	1164	1323
01-28-98 01:00	2.6	1523	1374
01-28-98 02:00	2.6	1330	1326
01-28-98 03:00	3.8	1201	1032
01-28-98 04:00	7.8	1326	1292
01-28-98 05:00	2.9	1519	1678
01-28-98 06:00	2.4	1697	1653
01-28-98 07:00	2.4	1753	1676
01-28-98 08:00	3.1	1752	1877
01-28-98 09:00	3.6	1766	1961
01-28-98 10:00	3.3	2184	1971
01-28-98 11:00	3.8	1802	1372
01-28-98 12:00	5.1	1235	1237
01-28-98 13:00	3.2	1188	1270
01-28-98 14:00	3.2	1219	1345
01-28-98 15:00	2.9	1485	1594
01-28-98 16:00	2.8	1574	1778
01-28-98 17:00	4.3	1182	1225
01-28-98 18:00	3.1	1430	1246
01-28-98 19:00	3.8	1084	1158
01-28-98 20:00	2.6	1406	1539
01-28-98 21:00	2.4	1640	1880
01-28-98 22:00	2.4	1547	1783
01-28-98 23:00	2.9	1799	1733
01-29-98 00:00	3.4	1712	1817
01-29-98 01:00	2.6	1641	1692
01-29-98 02:00	2.9	1948	1738

NO TREATED WOOD BURNED
1-28

Koppers Industries
Tie Plant Road
Daily Summary

Page 16

FROM 01/01/98 00:00 TO 06/30/98 23:59

Date/ Time	Opacity %	Cell 1 F	Cell 2 F
01-29-98 03:00	3.0	1529	1613
01-29-98 04:00	2.5	1546	1575
01-29-98 05:00	2.3	1577	1548
01-29-98 06:00	4.1	1623	1526
01-29-98 07:00	2.0	1485	1689
01-29-98 08:00	2.2	1473	1702
01-29-98 09:00	3.0	1637	1674
01-29-98 10:00	10.3	1548	1827
01-29-98 11:00	2.4	1347	1640
01-29-98 12:00	3.8	1083	1204
01-29-98 13:00	2.3	1287	1399
01-29-98 14:00	2.0	1357	1472
01-29-98 15:00	2.2	1388	1444
01-29-98 16:00	2.2	1496	1458
01-29-98 17:00	1.8	1458	1419
01-29-98 18:00	3.5	1284	1289
01-29-98 19:00	1.7	1487	1469
01-29-98 20:00	2.1	1338	1511
01-29-98 21:00	2.0	1846	1248
01-29-98 22:00	3.4	1816	1592
01-29-98 23:00	1.8	1959	1851
01-30-98 00:00	2.0	1995	1712
01-30-98 01:00	2.0	1743	2009
01-30-98 02:00	1.9	1716	2034
01-30-98 03:00	2.0	1995	1845
01-30-98 04:00	3.2	1891	1542
01-30-98 05:00	5.1	1097	1177
01-30-98 06:00	2.1	1576	1457
01-30-98 07:00	2.3	1919	1794
01-30-98 08:00	2.5	1707	1738
01-30-98 09:00	2.3	1898	1836
01-30-98 10:00	2.2	2115	1964
01-30-98 11:00	3.3	2145	1917
01-30-98 12:00	3.4	1876	1507
01-30-98 13:00	3.4	1440	1699
01-30-98 14:00	2.4	1827	1634
01-30-98 15:00	2.5	1631	1511
01-30-98 16:00	2.5	1438	1429
01-30-98 17:00	2.4	1476	1201
01-30-98 18:00	4.9	1287	887
01-30-98 19:00	4.3	1388	896
01-30-98 20:00	6.3	1172	1094
01-30-98 21:00	6.4	1263	1093
01-30-98 22:00	4.5	1184	1145
01-30-98 23:00	5.8	1148	1148

FROM 01/01/98 00:00 TO 06/30/98 23:59

Date/ Time	Opacity %	Cell 1 F	Cell 2 F
01-31-98 00:00	8.4	1129	1110
01-31-98 01:00	8.0	1193	1165
01-31-98 02:00	5.2	1095	1154
01-31-98 03:00	9.0	1098	776
01-31-98 04:00	7.0	982	625
01-31-98 05:00	8.5	968	550
01-31-98 06:00	5.2	1115	599
01-31-98 07:00	2.2	1516	795
01-31-98 08:00	3.0	1709	1008
01-31-98 09:00	13.5	1359	1174
01-31-98 10:00	4.2	1359	1150
01-31-98 11:00	3.6	1570	1439
01-31-98 12:00	3.6	1543	1467
01-31-98 13:00	3.4	1563	1397
01-31-98 14:00	2.6	1887	1665
01-31-98 15:00	3.3	1479	1437
01-31-98 16:00	2.6	504	468
01-31-98 17:00	1.9	307	315
01-31-98 18:00	1.8	267	274
01-31-98 19:00	1.8	251	254
01-31-98 20:00	1.8	226	240
01-31-98 21:00	1.8	220	229
01-31-98 22:00	1.7	207	223
01-31-98 23:00	1.7	209	218
02-01-98 00:00	1.7	200	213
02-01-98 01:00	1.6	188	209
02-01-98 02:00	1.5	189	206
02-01-98 03:00	1.5	185	204
02-01-98 04:00	1.6	186	204
02-01-98 05:00	1.4	216	229
02-01-98 06:00	1.5	220	232
02-01-98 07:00	1.4	219	231
02-01-98 08:00	1.3	217	229
02-01-98 09:00	1.3	216	228
02-01-98 10:00	1.3	213	226
02-01-98 11:00	1.3	212	225
02-01-98 12:00	1.3	211	227
02-01-98 13:00	1.2	209	226
02-01-98 14:00	1.2	206	224
02-01-98 15:00	1.1	203	221
02-01-98 16:00	1.1	200	218
02-01-98 17:00	1.1	200	219
02-01-98 18:00	1.2	200	219
02-01-98 19:00	1.2	198	217
02-01-98 20:00	1.2	196	216

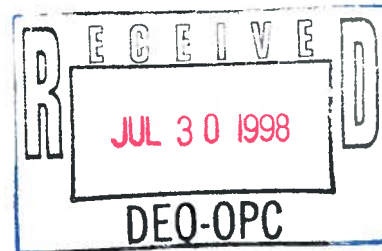
NO TREATED WOOD BURNED
1-31

BOILER DOWN

FROM 01/01/98 00:00 TO 06/30/98 23:59

Date/ Time	Opacity %	Cell 1 F	Cell 2 F
2-01-98 21:00	1.2	195	215
2-01-98 22:00	1.2	193	214
2-01-98 23:00	1.2	192	213
2-02-98 00:00	1.9	192	212
2-02-98 01:00	1.2	190	211
2-02-98 02:00	1.2	189	211
2-02-98 03:00	1.2	188	210
2-02-98 04:00	10.5	311	420
2-02-98 05:00	4.1	1104	1168
2-02-98 06:00	4.0	992	1201
2-02-98 07:00	3.4	964	1131
2-02-98 08:00	2.5	1115	1236
2-02-98 09:00	2.3	1358	1232
2-02-98 10:00	2.3	1389	1239
2-02-98 11:00	2.5	1367	1370
2-02-98 12:00	2.4	1360	1523
2-02-98 13:00	3.8	1347	1254
2-02-98 14:00	3.5	1373	1242
2-02-98 15:00	3.0	1255	1210
2-02-98 16:00	6.2	1048	981
2-02-98 17:00	3.4	1403	1017
2-02-98 18:00	3.8	1309	1100
2-02-98 19:00	4.3	1258	1091
2-02-98 20:00	3.3	1308	1174
2-02-98 21:00	2.8	1208	1208
2-02-98 22:00	2.8	1486	1290
2-02-98 23:00	3.2	1148	1158
2-03-98 00:00	3.8	1318	1076
2-03-98 01:00	3.1	1333	1108
2-03-98 02:00	5.1	1179	1018
2-03-98 03:00	5.3	1211	953
2-03-98 04:00	11.5	1085	927
2-03-98 05:00	9.3	1159	1026
2-03-98 06:00	4.6	1200	1053
2-03-98 07:00	3.4	1254	1162
2-03-98 08:00	2.9	1238	1233
2-03-98 09:00	2.8	1148	1240
2-03-98 10:00	3.2	1368	1181
2-03-98 11:00	3.1	1292	1310
2-03-98 12:00	3.1	1380	1289
2-03-98 13:00	5.0	1139	1198
2-03-98 14:00	3.4	1255	1199
2-03-98 15:00	3.5	1058	1161
2-03-98 16:00	2.9	1215	1318
2-03-98 17:00	2.7	1356	1315

Boiler Down



FROM 01/01/98 00:00 TO 06/30/98 23:59

Date/ Time	Opacity %	Cell 1	Cell 2
		F	F
02-03-98 18:00	3.7	1047	1204
02-03-98 19:00	3.9	937	1228
02-03-98 20:00	3.2	1129	1304
02-03-98 21:00	2.5	1246	1473
02-03-98 22:00	2.4	1329	1288
02-03-98 23:00	3.9	1135	1168
02-04-98 00:00	3.8	1292	1250
02-04-98 01:00	2.7	1292	1255
02-04-98 02:00	4.9	1347	1265
02-04-98 03:00	4.6	1487	1220
02-04-98 04:00	6.1	1335	1197
02-04-98 05:00	3.2	1201	1160
02-04-98 06:00	3.3	1318	1302
02-04-98 07:00	2.4	1534	1550
02-04-98 08:00	2.2	1693	1684
02-04-98 09:00	3.6	1528	1519
02-04-98 10:00	2.4	1730	1562
02-04-98 11:00	2.7	1742	1691
02-04-98 12:00	3.0	1694	1441
02-04-98 13:00	4.5	1454	1568
02-04-98 14:00	3.5	1518	1671
02-04-98 15:00	3.0	1563	1758
02-04-98 16:00	3.2	1697	1964
02-04-98 17:00	3.0	1719	1998
02-04-98 18:00	3.0	1679	1626
02-04-98 19:00	3.0	1233	1623
02-04-98 20:00	4.7	1464	1480
02-04-98 21:00	19.6	1407	1355
02-04-98 22:00	5.4	1581	1351
02-04-98 23:00	10.6	1359	1285
02-05-98 00:00	3.5	1859	1729
02-05-98 01:00	2.2	1884	1816
02-05-98 02:00	2.4	1848	1703
02-05-98 03:00	3.4	1465	1501
02-05-98 04:00	2.8	1323	1441
02-05-98 05:00	2.4	1326	1354
02-05-98 06:00	2.5	1566	1479
02-05-98 07:00	3.2	1799	1759
02-05-98 08:00	3.0	1923	1914
02-05-98 09:00	3.4	1775	1396
02-05-98 10:00	2.8	1680	1818
02-05-98 11:00	2.7	1515	1107
02-05-98 12:00	3.3	1621	1539
02-05-98 13:00	2.9	1582	1802
02-05-98 14:00	2.6	1740	1712

FROM 01/01/98 00:00 TO 06/30/98 23:59

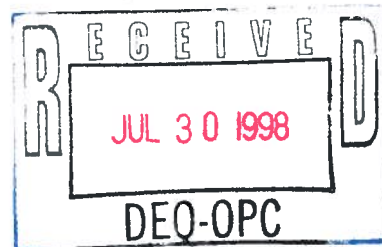
Date/ Time	Opacity %	Cell 1 F	Cell 2 F
02-05-98 15:00	3.1	2027	1798
02-05-98 16:00	2.5	1782	1762
02-05-98 17:00	2.4	1696	1668
02-05-98 18:00	3.0	1760	1677
02-05-98 19:00	2.4	1409	1660
02-05-98 20:00	2.7	1271	1409
02-05-98 21:00	2.8	1789	1685
02-05-98 22:00	3.0	2058	1909
02-05-98 23:00	2.6	1556	1281
02-06-98 00:00	2.9	1347	1323
02-06-98 01:00	3.0	1330	1216
02-06-98 02:00	5.5	1216	895
02-06-98 03:00	4.6	1231	1162
02-06-98 04:00	10.4	1304	1154
02-06-98 05:00	4.7	1245	855
02-06-98 06:00	2.8	1458	1392
02-06-98 07:00	2.5	1781	1643
02-06-98 08:00	2.6	1796	1580
02-06-98 09:00	2.7	1521	1605
02-06-98 10:00	2.7	1753	1754
02-06-98 11:00	2.6	1731	1601
02-06-98 12:00	3.3	1678	1445
02-06-98 13:00	3.4	1509	1550
02-06-98 14:00	3.5	1609	1509
02-06-98 15:00	3.4	1623	1434
02-06-98 16:00	2.4	1718	1828
02-06-98 17:00	2.5	1582	1699
02-06-98 18:00	2.7	2055	1866
02-06-98 19:00	2.2	1805	1778
02-06-98 20:00	2.8	1404	1509
02-06-98 21:00	2.5	1616	1683
02-06-98 22:00	2.4	1956	1766
02-06-98 23:00	2.8	1983	1837
02-07-98 00:00	3.1	2095	1702
02-07-98 01:00	3.0	1808	1851
02-07-98 02:00	2.8	1842	1656
02-07-98 03:00	2.9	1528	1591
02-07-98 04:00	6.6	1323	1169
02-07-98 05:00	3.0	1561	1422
02-07-98 06:00	3.1	1635	1674
02-07-98 07:00	2.4	1731	1656
02-07-98 08:00	3.2	1681	1783
02-07-98 09:00	3.4	1823	1789
02-07-98 10:00	3.1	1957	1767
02-07-98 11:00	3.2	1877	1688

No TREATED WOOD BURNED
2-7 + 2-8

FROM 01/01/98 00:00 TO 06/30/98 23:59

Date/ Time	Opacity %	Cell 1 F	Cell 2 F
02-07-98 12:00	4.2	1533	1672
02-07-98 13:00	3.2	1705	1919
02-07-98 14:00	3.0	1693	1898
02-07-98 15:00	2.8	1639	1893
02-07-98 16:00	4.0	1515	1551
02-07-98 17:00	3.1	1332	1443
02-07-98 18:00	2.8	1260	1413
02-07-98 19:00	3.2	1147	1382
02-07-98 20:00	3.2	1151	1625
02-07-98 21:00	2.9	1726	2002
02-07-98 22:00	6.7	1128	1103
02-07-98 23:00	3.8	1437	1485
02-08-98 00:00	3.5	1490	1458
02-08-98 01:00	3.5	1457	1425
02-08-98 02:00	2.3	1470	1446
02-08-98 03:00	4.6	1272	1264
02-08-98 04:00	6.6	1436	1277
02-08-98 05:00	5.8	1768	1720
02-08-98 06:00	2.8	1847	1733
02-08-98 07:00	2.2	1949	1664
02-08-98 08:00	2.8	1740	1485
02-08-98 09:00	3.1	1800	1522
02-08-98 10:00	3.3	1608	1714
02-08-98 11:00	2.9	1861	1709
02-08-98 12:00	2.5	1775	1569
02-08-98 13:00	2.4	1847	1682
02-08-98 14:00	4.3	1407	1290
02-08-98 15:00	5.8	1136	1101
02-08-98 16:00	4.0	1107	1196
02-08-98 17:00	3.2	1154	1283
02-08-98 18:00	3.2	1929	1791
02-08-98 19:00	2.0	1813	1845
02-08-98 20:00	2.1	1551	1750
02-08-98 21:00	1.7	2013	1995
02-08-98 22:00	1.9	2080	1918
02-08-98 23:00	2.2	1950	1697
02-09-98 00:00	2.9	2092	1680
02-09-98 01:00	2.4	2043	1730
02-09-98 02:00	2.6	1589	1530
02-09-98 03:00	1.8	1853	1871
02-09-98 04:00	3.8	1818	1612
02-09-98 05:00	1.9	1749	1435
02-09-98 06:00	2.5	1593	1444
02-09-98 07:00	2.2	1711	1627
02-09-98 08:00	1.6	1891	1798

NO TREATED WOOD BURNED



FROM 01/01/98 00:00 TO 06/30/98 23:59

Date/ Time	Opacity %	Cell 1	Cell 2
		F	F
2-09-98 09:00	3.4	1619	1405
2-09-98 10:00	13.1	1325	1218
2-09-98 11:00	3.9	1197	1178
2-09-98 12:00	2.5	1249	1263
2-09-98 13:00	3.1	1324	1365
2-09-98 14:00	2.9	1307	1325
2-09-98 15:00	2.9	1567	1433
2-09-98 16:00	2.0	1644	1613
2-09-98 17:00	2.5	1681	1577
2-09-98 18:00	2.3	1499	1495
2-09-98 19:00	2.1	1475	1493
2-09-98 20:00	3.6	1322	1301
2-09-98 21:00	4.8	1047	1238
2-09-98 22:00	2.9	1541	1396
2-09-98 23:00	2.5	1333	1421
2-10-98 00:00	3.1	1383	1506
2-10-98 01:00	2.6	1580	1489
2-10-98 02:00	2.7	1605	1500
2-10-98 03:00	3.8	1497	1359
2-10-98 04:00	7.2	1374	1254
2-10-98 05:00	2.7	1426	1277
2-10-98 06:00	2.2	1301	1348
2-10-98 07:00	2.6	1411	1240
2-10-98 08:00	3.5	1460	1265
2-10-98 09:00	2.7	1389	1250
2-10-98 10:00	3.1	1310	1308
2-10-98 11:00	3.5	1594	1537
2-10-98 12:00	3.8	1546	1402
2-10-98 13:00	3.3	1250	1393
2-10-98 14:00	3.3	1098	1236
2-10-98 15:00	2.6	1365	1528
2-10-98 16:00	2.7	1405	1491
2-10-98 17:00	3.0	1566	1475
2-10-98 18:00	3.6	1478	1319
2-10-98 19:00	12.2	1469	1269
2-10-98 20:00	3.9	1479	1453
2-10-98 21:00	9.6	1217	1156
2-10-98 22:00	3.5	1401	1344
2-10-98 23:00	2.7	1324	1276
2-11-98 00:00	3.4	1312	1171
2-11-98 01:00	3.6	1334	1256
2-11-98 02:00	4.5	1215	1212
2-11-98 03:00	7.1	1037	1098
2-11-98 04:00	12.4	1363	1209
2-11-98 05:00	4.8	1190	1219

NO TREATED WOOD
2-10

FROM 01/01/98 00:00 TO 06/30/98 23:59

Date/ Time	Opacity %	Cell 1 F	Cell 2 F
2-11-98 06:00	3.6	970	1124
2-11-98 07:00	4.6	1084	1162
2-11-98 08:00	4.0	1289	1093
2-11-98 09:00	4.7	1268	1096
2-11-98 10:00	5.2	1249	1179
2-11-98 11:00	4.5	1309	1332
2-11-98 12:00	6.9	1178	1224
2-11-98 13:00	5.6	1112	1288
2-11-98 14:00	5.8	1107	1133
2-11-98 15:00	5.2	1202	1293
2-11-98 16:00	3.9	1195	1230
2-11-98 17:00	4.7	1037	1134
2-11-98 18:00	5.6	1013	1118
2-11-98 19:00	8.7	994	1008
2-11-98 20:00	4.7	1158	1355
2-11-98 21:00	6.0	1045	1113
2-11-98 22:00	5.9	1012	1118
2-11-98 23:00	5.1	1090	1182
2-12-98 00:00	4.3	1152	1188
2-12-98 01:00	6.1	989	1149
2-12-98 02:00	6.8	1106	1372
2-12-98 03:00	7.9	970	1111
2-12-98 04:00	10.3	1142	1164
2-12-98 05:00	4.8	1195	1217
2-12-98 06:00	5.2	1254	1244
2-12-98 07:00	5.0	1336	1285
2-12-98 08:00	5.6	1227	1212
2-12-98 09:00	5.9	1129	1159
2-12-98 10:00	5.0	1201	1164
2-12-98 11:00	4.9	1310	1233
2-12-98 12:00	6.1	1157	1042
2-12-98 13:00	8.5	851	922
2-12-98 14:00	5.9	911	931
2-12-98 15:00	6.1	1198	1146
2-12-98 16:00	5.4	1281	1338
2-12-98 17:00	5.1	1001	1175
2-12-98 18:00	4.9	1136	1165
2-12-98 19:00	4.2	1178	1095
2-12-98 20:00	8.9	686	627
2-12-98 21:00	8.4	1145	1236
2-12-98 22:00	4.0	1154	1210
2-12-98 23:00	3.3	1213	1193
2-13-98 00:00	3.1	1317	1377
2-13-98 01:00	3.0	1262	1385
2-13-98 02:00	3.0	1282	1316

FROM 01/01/98 00:00 TO 06/30/98 23:59

Date/ Time	Opacity %	Cell 1 F	Cell 2 F
2-13-98 03:00	3.8	1213	1245
2-13-98 04:00	6.6	1240	1283
2-13-98 05:00	2.7	1349	1220
2-13-98 06:00	3.5	1340	1229
2-13-98 07:00	3.2	1187	1100
2-13-98 08:00	3.3	1364	1188
2-13-98 09:00	3.5	1229	1184
2-13-98 10:00	2.9	1247	1388
2-13-98 11:00	7.4	1008	919
2-13-98 12:00	4.8	1092	1170
2-13-98 13:00	5.6	1047	949
2-13-98 14:00	3.7	1389	1292
2-13-98 15:00	2.9	1757	1803
2-13-98 16:00	2.7	1561	1656
2-13-98 17:00	2.9	1448	1493
2-13-98 18:00	3.0	1469	1427
2-13-98 19:00	3.3	1274	1457
2-13-98 20:00	2.9	1667	1756
2-13-98 21:00	3.5	1779	1944
2-13-98 22:00	4.9	2016	1973
2-13-98 23:00	2.9	1394	1330
2-14-98 00:00	2.8	1348	1400
2-14-98 01:00	2.6	1445	1302
2-14-98 02:00	2.7	1473	1259
2-14-98 03:00	4.2	1125	1188
2-14-98 04:00	4.6	1379	1129
2-14-98 05:00	6.6	1606	1625
2-14-98 06:00	2.7	1731	1817
2-14-98 07:00	2.7	1769	1809

2-14-98 09:00 3.7 1690
1726

2-14-98 10:00	3.3	1739	1717
2-14-98 11:00	4.2	1561	1425
2-14-98 12:00	3.4	1794	1676
2-14-98 13:00	2.9	1849	1884
2-14-98 14:00	2.6	1917	1882
2-14-98 15:00	3.1	1910	1798
2-14-98 16:00	3.8	2202	1986
2-14-98 17:00	3.5	2228	1884
2-14-98 18:00	2.7	2101	1828
2-14-98 19:00	3.0	2087	1932
2-14-98 20:00	4.0	1222	1810
2-14-98 21:00	4.2	1528	1382
2-14-98 22:00	3.1	1836	1870
2-14-98 23:00	2.9	1908	1787

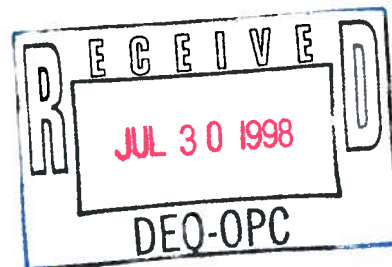
Koppers Industries
Tie Plant Road
Daily Summary

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FROM 01/01/98 00:00 TO 06/30/98 23:59

Date/ Time	Opacity %	Cell 1 F	Cell 2 F
02-15-98 00:00	3.9	1912	1894
02-15-98 01:00	3.0	1682	1616
02-15-98 02:00	2.5	1491	1589
02-15-98 03:00	2.6	1612	1553
02-15-98 04:00	8.1	1314	1296
02-15-98 05:00	3.8	1639	1508
02-15-98 06:00	2.9	1738	1798
02-15-98 07:00	2.8	1734	1878
02-15-98 08:00	2.9	1726	1672
02-15-98 09:00	5.5	1517	1456
02-15-98 10:00	3.7	1684	1779
02-15-98 11:00	3.1	1765	1873
02-15-98 12:00	2.4	1754	1909
02-15-98 13:00	2.5	1780	1888
02-15-98 14:00	2.7	1891	1782
02-15-98 15:00	6.6	1339	1241
02-15-98 16:00	3.0	1275	1417
02-15-98 17:00	2.8	1260	1497
02-15-98 18:00	7.2	1560	1760
02-15-98 19:00	4.7	1838	1822
02-15-98 20:00	3.4	1805	1771
02-15-98 21:00	2.6	1647	1642
02-15-98 22:00	3.0	1555	1578
02-15-98 23:00	3.0	1488	1555
02-16-98 00:00	3.4	1460	1504
02-16-98 01:00	4.4	1420	1283
02-16-98 02:00	2.3	1567	1731
02-16-98 03:00	2.7	1508	1597
02-16-98 04:00	5.1	1662	1648
02-16-98 05:00	3.0	1599	1550
02-16-98 06:00	3.0	1552	1564
02-16-98 07:00	2.6	1593	1564
02-16-98 08:00	2.2	1552	1506
02-16-98 09:00	5.9	1123	1002
02-16-98 10:00	5.1	1011	1018
02-16-98 11:00	5.0	1040	1056
02-16-98 12:00	3.4	1360	1314
02-16-98 13:00	3.1	1786	1638
02-16-98 14:00	2.7	1763	1766
02-16-98 15:00	3.4	1817	1818
02-16-98 16:00	4.2	1935	1831
02-16-98 17:00	4.6	1378	1710
02-16-98 18:00	5.0	1253	1401
02-16-98 19:00	4.7	1518	1357
02-16-98 20:00	6.0	1810	1758

No TREATED WOOD
2-15



Koppers Industries
Tie Plant Road
Daily Summary

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FROM 01/01/98 00:00 TO 06/30/98 23:59

Date/ Time	Opacity %	Cell 1 F	Cell 2 F
02-16-98 21:00	16.6	2125	2023
02-16-98 22:00	5.7	1882	1530
02-16-98 23:00	4.3	1632	1589
02-17-98 00:00	5.9	1632	1558
02-17-98 01:00	6.0	1803	1802
02-17-98 02:00	4.9	1926	1850
02-17-98 03:00	6.5	1605	1630
02-17-98 04:00	8.5	1424	1340
02-17-98 05:00	4.0	1853	1871
02-17-98 06:00	4.4	1755	1717
02-17-98 07:00	5.9	1755	1899
02-17-98 08:00	5.1	1955	1953
02-17-98 09:00	5.0	1779	1623
02-17-98 10:00	5.6	1902	1717
02-17-98 11:00	5.6	1851	1895
02-17-98 12:00	5.6	1802	1771
02-17-98 13:00	7.3	1404	1641
02-17-98 14:00	4.8	1685	1881
02-17-98 15:00	4.0	1868	1834
02-17-98 16:00	4.2	1961	1940
02-17-98 17:00	4.7	1739	1706
02-17-98 18:00	7.2	654	622
02-17-98 19:00	2.5	437	429
02-17-98 20:00	6.3	400	380
02-17-98 21:00	1.9	357	372
02-17-98 22:00	7.8	460	478
02-17-98 23:00	17.5	1314	1234
02-18-98 00:00	4.5	1489	1498
02-18-98 01:00	3.3	1341	1516
02-18-98 02:00	3.7	1720	1769
02-18-98 03:00	4.4	1574	1807
02-18-98 04:00	4.5	1746	1798
02-18-98 05:00	3.3	1752	1734
02-18-98 06:00	2.8	1175	1076
02-18-98 07:00	18.9	678	689
02-18-98 08:00	7.3	1727	1595
02-18-98 09:00	4.1	1925	1758
02-18-98 10:00	4.2	1919	1895
02-18-98 11:00	5.8	1775	2010
02-18-98 12:00	6.5	1716	1762
02-18-98 13:00	5.1	1408	1838
02-18-98 14:00	4.4	1720	1918
02-18-98 15:00	4.7	1710	1661
02-18-98 16:00	5.2	1742	1860
02-18-98 17:00	4.2	1591	1838

Koppers Industries
Tie Plant Road
Daily Summary

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FROM 01/01/98 00:00 TO 06/30/98 23:59

Date/ Time	Opacity %	Cell 1 F	Cell 2 F
02-18-98 18:00	4.1	1613	1771
02-18-98 19:00	6.0	1375	1723
02-18-98 20:00	5.4	1354	1194
02-18-98 21:00	4.3	1613	1938
02-18-98 22:00	4.1	1353	1269
02-18-98 23:00	4.9	1296	1183
02-19-98 00:00	4.5	1441	1568
02-19-98 01:00	3.3	1184	1252
02-19-98 02:00	4.4	463	489
02-19-98 03:00	10.2	373	376
02-19-98 04:00	5.9	1056	1500
02-19-98 05:00	2.6	1081	1548
02-19-98 06:00	4.3	1620	1887
02-19-98 07:00	3.6	1605	1673
02-19-98 08:00	2.8	1364	1416
02-19-98 09:00	3.0	1619	1941
02-19-98 10:00	5.2	1706	1876
02-19-98 11:00	4.1	1719	1755
02-19-98 12:00	3.8	1743	1689
02-19-98 13:00	5.5	1399	1241
02-19-98 14:00	9.3	1076	1220
02-19-98 15:00	3.6	1392	1353
02-19-98 16:00	4.8	1210	1298
02-19-98 17:00	4.1	1609	1592
02-19-98 18:00	3.4	1632	1573
02-19-98 19:00	4.0	1298	1527
02-19-98 20:00	7.8	932	794
02-19-98 21:00	5.6	1289	1179
02-19-98 22:00	3.5	1566	1773
02-19-98 23:00	2.7	1611	1592
02-20-98 00:00	4.1	1526	1413
02-20-98 01:00	3.3	1652	1551
02-20-98 02:00	2.5	1739	1788
02-20-98 03:00	5.4	1418	1596
02-20-98 04:00	8.7	1395	1364
02-20-98 05:00	19.1	1787	1738
02-20-98 06:00	2.8	1662	1605
02-20-98 07:00	5.9	1167	1110
02-20-98 08:00	4.7	1284	1374
02-20-98 09:00	3.6	1483	1663
02-20-98 10:00	3.0	1369	1540
02-20-98 11:00	3.9	1250	1269
02-20-98 12:00	6.8	1253	1184
02-20-98 13:00	7.4	1107	1428
02-20-98 14:00	6.5	1254	1297

NO TREATED WOOD BURNED

2-20 TO 3-8

Koppers Industries
Tie Plant Road
Daily Summary

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FROM 01/01/98 00:00 TO 06/30/98 23:59

Date/ Time	Opacity %	Cell 1 F	Cell 2 F
02-20-98 15:00	2.9	1447	1521
02-20-98 16:00	4.0	1499	1445
02-20-98 17:00	5.1	1242	1205
02-20-98 18:00	4.1	1189	1261
02-20-98 19:00	6.5	926	1255
02-20-98 20:00	6.7	1142	1087
02-20-98 21:00	3.3	1143	1240
02-20-98 22:00	2.8	1186	1193
02-20-98 23:00	5.6	883	574
02-21-98 00:00	4.9	1320	1188
02-21-98 01:00	4.2	1286	1221
02-21-98 02:00	4.0	1345	1231
02-21-98 03:00	6.5	1246	1121
02-21-98 04:00	4.2	1233	1159
02-21-98 05:00	3.0	1457	1475
02-21-98 06:00	3.2	1299	1361
02-21-98 07:00	4.8	1237	1204
02-21-98 08:00	5.2	1125	1005
02-21-98 09:00	4.5	1205	1266
02-21-98 10:00	4.1	1491	1709
02-21-98 11:00	3.8	1518	1621
02-21-98 12:00	4.8	1470	1428
02-21-98 13:00	5.9	1433	1510
02-21-98 14:00	4.8	1357	1359
02-21-98 15:00	4.3	1353	1295
02-21-98 16:00	3.8	1044	1221
02-21-98 17:00	3.9	1164	1175
02-21-98 18:00	4.1	1277	1148
02-21-98 19:00	6.8	1358	1303
02-21-98 20:00	5.6	1182	1342
02-21-98 21:00	4.9	1276	1139
02-21-98 22:00	5.4	1317	1185
02-21-98 23:00	5.5	1293	1184
02-22-98 00:00	6.3	1416	1402
02-22-98 01:00	5.7	1431	1378
02-22-98 02:00	5.6	1366	1326
02-22-98 03:00	8.1	1058	1313
02-22-98 04:00	12.6	1147	1071
02-22-98 05:00	20.3	1077	1206
02-22-98 06:00	4.6	1299	1285
02-22-98 07:00	4.6	1263	1288
02-22-98 08:00	4.8	1226	1428
02-22-98 09:00	4.2	1187	1349
02-22-98 10:00	13.1	1339	1353
02-22-98 11:00	5.2	1481	1380

Koppers Industries
Tie Plant Road
Daily Summary

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FROM 01/01/98 00:00 TO 06/30/98 23:59

Date/ Time	Opacity %	Cell 1 F	Cell 2 F
02-22-98 12:00	6.8	1306	1453
02-22-98 13:00	5.1	1365	1411
02-22-98 14:00	5.0	1261	1311
02-22-98 15:00	5.3	1368	1217
02-22-98 16:00	5.1	1234	1272
02-22-98 17:00	5.5	1245	1304
02-22-98 18:00	5.5	1180	1296
02-22-98 19:00	5.6	1059	1205
02-22-98 20:00	4.7	494	489
02-22-98 21:00	2.4	328	334
02-22-98 22:00	1.9	284	294
02-22-98 23:00	1.8	277	291
02-23-98 00:00	10.4	1169	1284
02-23-98 01:00	6.7	1131	1165
02-23-98 02:00	6.8	1291	1063
02-23-98 03:00	7.0	1119	986
02-23-98 04:00	9.1	1047	1006
02-23-98 05:00	7.2	994	950
02-23-98 06:00	7.6	986	925
02-23-98 07:00	8.0	894	981
02-23-98 08:00	7.3	1097	1009
02-23-98 09:00	6.0	1163	1064
02-23-98 10:00	6.3	1137	1048
02-23-98 11:00	6.0	1070	1089
02-23-98 12:00	6.1	1115	1230
02-23-98 13:00	6.5	1333	1263
02-23-98 14:00	6.6	1507	1395
02-23-98 15:00	5.5	1364	1593
02-23-98 16:00	5.5	1301	1425
02-23-98 17:00	5.3	1389	1313
02-23-98 18:00	5.2	1385	1336
02-23-98 19:00	5.7	1429	1330
02-23-98 20:00	5.5	1441	1397
02-23-98 21:00	4.9	1270	1303
02-23-98 22:00	5.6	1097	1338
02-23-98 23:00	6.9	1023	1257
02-24-98 00:00	4.5	1295	1144
02-24-98 01:00	5.0	1272	1162
02-24-98 02:00	5.4	1250	1026
02-24-98 03:00	8.4	1024	1138
02-24-98 04:00	9.4	987	999
02-24-98 05:00	8.5	1079	1235
02-24-98 06:00	5.0	1322	1357
02-24-98 07:00	5.1	1305	1243
02-24-98 08:00	5.6	1229	1081

NO TREATED WOOD BURNED



Koppers Industries
Tie Plant Road
Daily Summary

Page 30

FROM 01/01/98 00:00 TO 06/30/98 23:59

Date/ Time	Opacity %	Cell 1 F	Cell 2 F
02-24-98 09:00	7.2	1248	1083
02-24-98 10:00	7.0	1459	1629
02-24-98 11:00	6.1	1839	1839
02-24-98 12:00	6.0	1921	1809
02-24-98 13:00	7.8	1626	1834
02-24-98 14:00	7.5	1933	1865
02-24-98 15:00	6.6	2038	1991
02-24-98 16:00	6.8	2137	1868
02-24-98 17:00	7.1	2077	1969
02-24-98 18:00	6.4	1965	2020
02-24-98 19:00	6.8	1827	1891
02-24-98 20:00	9.7	1048	1655
02-24-98 21:00	7.0	1450	1354
02-24-98 22:00	4.8	1210	1541
02-24-98 23:00	4.5	1243	1426
02-25-98 00:00	9.3	1911	2050
02-25-98 01:00	6.7	1942	1899
02-25-98 02:00	8.5	1828	1992
02-25-98 03:00	8.1	1517	1850
02-25-98 04:00	9.8	1567	1400
02-25-98 05:00	6.9	1759	1670
02-25-98 06:00	6.9	1762	1628
02-25-98 07:00	6.7	1829	1682
02-25-98 08:00	7.4	1702	1623
02-25-98 09:00	7.6	1763	1536
02-25-98 10:00	7.6	1749	1671
02-25-98 11:00	8.0	1754	1752
02-25-98 12:00	7.7	1652	1855
02-25-98 13:00	7.7	1904	1829
02-25-98 14:00	7.8	1891	1849
02-25-98 15:00	8.1	2011	1939
02-25-98 16:00	7.0	1897	1895
02-25-98 17:00	7.1	1870	2002
02-25-98 18:00	6.7	1804	1805
02-25-98 19:00	6.7	1657	1654
02-25-98 20:00	6.5	1189	1440
02-25-98 21:00	5.9	1399	1304
02-25-98 22:00	6.8	1506	1279
02-25-98 23:00	8.7	1283	1177
02-26-98 00:00	14.0	1268	1163
02-26-98 01:00	7.9	1505	1504
02-26-98 02:00	9.6	1420	1671
02-26-98 03:00	8.3	1431	1755
02-26-98 04:00	17.7	1628	1909
02-26-98 05:00	5.9	1715	1688



Koppers Industries
Tie Plant Road
Daily Summary

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FROM 01/01/98 00:00 TO 06/30/98 23:59

Date/ Time	Opacity %	Cell 1 F	Cell 2 F
02-26-98 06:00	6.5	1598	1696
02-26-98 07:00	6.5	1515	1870
02-26-98 08:00	6.9	1734	1810
02-26-98 09:00	6.8	1761	1782
02-26-98 10:00	10.3	1666	1804
02-26-98 11:00	6.7	1589	2034
02-26-98 12:00	8.5	1501	1769
02-26-98 13:00	7.9	1291	1370
02-26-98 14:00	7.3	1370	1311
02-26-98 15:00	6.3	1344	1332
02-26-98 16:00	5.9	1126	1166
02-26-98 17:00	6.7	1133	704
02-26-98 18:00	6.0	1130	640
02-26-98 19:00	6.2	1088	611
02-26-98 20:00	11.1	1032	1110
02-26-98 21:00	7.5	1627	1530
02-26-98 22:00	6.9	1783	1700
02-26-98 23:00	6.9	1858	1837
02-27-98 00:00	7.4	1853	1784
02-27-98 01:00	6.3	1863	1784
02-27-98 02:00	6.3	1791	1667
02-27-98 03:00	7.0	1469	1664
02-27-98 04:00	11.3	1523	1617
02-27-98 05:00	7.2	1820	1598
02-27-98 06:00	6.9	1752	1605
02-27-98 07:00	7.4	1865	1619
02-27-98 08:00	8.3	1724	1590
02-27-98 09:00	8.1	1802	1789
02-27-98 10:00	9.1	1724	1831
02-27-98 11:00	5.6	1271	1256
02-27-98 12:00	9.2	1045	1120
02-27-98 13:00	6.9	1241	1121
02-27-98 14:00	7.3	1170	1069
02-27-98 15:00	9.0	1413	1374
02-27-98 16:00	7.7	1612	1516
02-27-98 17:00	7.4	1523	1469
02-27-98 18:00	7.0	1344	1361
02-27-98 19:00	6.8	1416	1451
02-27-98 20:00	8.4	1211	1395
02-27-98 21:00	8.1	1285	1521
02-27-98 22:00	7.1	1373	1720
02-27-98 23:00	7.3	1233	1341
02-28-98 00:00	9.7	1683	1672
02-28-98 01:00	7.6	1559	1654
02-28-98 02:00	6.4	1282	1444

Koppers Industries
Tie Plant Road
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FROM 01/01/98 00:00 TO 06/30/98 23:59

Date/ Time	Opacity %	Cell 1	Cell 2
		F	F
02-28-98 03:00	7.8	1411	1562
02-28-98 04:00	7.6	1404	1647
02-28-98 05:00	12.1	1458	1697
02-28-98 06:00	6.6	1066	1201
02-28-98 07:00	15.0	626	649
02-28-98 08:00	7.0	319	323
02-28-98 09:00	5.1	278	278
02-28-98 10:00	4.3	261	259
02-28-98 11:00	3.8	249	247
02-28-98 12:00	3.7	247	239
02-28-98 13:00	3.0	231	232
02-28-98 14:00	2.7	227	226
02-28-98 15:00	2.7	218	222
02-28-98 16:00	2.5	210	218
02-28-98 17:00	2.3	205	213
02-28-98 18:00	2.1	201	209
02-28-98 19:00	2.1	193	205
02-28-98 20:00	2.1	189	202
02-28-98 21:00	2.0	186	200
02-28-98 22:00	1.9	183	199
02-28-98 23:00	1.9	181	198
03-01-98 00:00	1.8	180	196
03-01-98 01:00	1.8	177	194
03-01-98 02:00	1.8	176	192
03-01-98 03:00	1.8	174	191
03-01-98 04:00	1.9	175	193
03-01-98 05:00	1.9	191	209
03-01-98 06:00	1.6	192	212
03-01-98 07:00	2.2	193	213
03-01-98 08:00	4.3	192	213
03-01-98 09:00	7.6	192	213
03-01-98 10:00	1.7	191	212
03-01-98 11:00	1.4	191	212
03-01-98 12:00	1.4	190	211
03-01-98 13:00	1.4	189	211
03-01-98 14:00	1.4	188	210
03-01-98 15:00	1.4	188	210
03-01-98 16:00	1.4	188	210
03-01-98 17:00	1.3	187	210
03-01-98 18:00	1.3	186	209
03-01-98 19:00	1.3	185	208
03-01-98 20:00	1.3	183	207
03-01-98 21:00	1.2	182	206
03-01-98 22:00	1.2	181	205
03-01-98 23:00	1.2	181	204

NO TREATED WOOD



Koppers Industries
Tie Plant Road
Daily Summary

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FROM 01/01/98 00:00 TO 06/30/98 23:59

Date/ Time	Opacity %	Cell 1 F	Cell 2 F
03-02-98 00:00	1.2	180	204
03-02-98 01:00	1.2	179	203
03-02-98 02:00	1.2	178	202
03-02-98 03:00	1.2	178	202
03-02-98 04:00	20.2	483	558
03-02-98 05:00	6.6	1067	1137
03-02-98 06:00	5.4	979	944
03-02-98 07:00	8.7	771	799
03-02-98 08:00	9.0	771	804
03-02-98 09:00	22.4	957	1004
03-02-98 10:00	6.4	1553	1520
03-02-98 11:00	5.7	1756	1732
03-02-98 12:00	5.4	1839	1683
03-02-98 13:00	8.8	1716	1630
03-02-98 14:00	5.8	1625	1623
03-02-98 15:00	6.8	1979	1916
03-02-98 16:00	6.4	2014	1728
03-02-98 17:00	6.0	1833	1893
03-02-98 18:00	7.0	1707	1949
03-02-98 19:00	6.7	1495	1728
03-02-98 20:00	5.5	1723	1761
03-02-98 21:00	5.2	1788	1773
03-02-98 22:00	4.3	1738	1666
03-02-98 23:00	5.0	1501	1646
03-03-98 00:00	5.4	1576	1581
03-03-98 01:00	4.9	1371	1552
03-03-98 02:00	6.8	1313	1124
03-03-98 03:00	5.3	1424	1393
03-03-98 04:00	5.6	1398	1444
03-03-98 05:00	5.5	1499	1609
03-03-98 06:00	5.4	1469	1511
03-03-98 07:00	5.8	1342	1546
03-03-98 08:00	5.5	1422	1473
03-03-98 09:00	6.6	1368	1558
03-03-98 10:00	6.0	1455	1648
03-03-98 11:00	5.0	1249	1363
03-03-98 12:00	5.1	1174	1219
03-03-98 13:00	8.5	1173	1044
03-03-98 14:00	5.0	1389	1185
03-03-98 15:00	5.0	1409	1296
03-03-98 16:00	6.1	1456	1699
03-03-98 17:00	6.2	1801	1794
03-03-98 18:00	4.6	1467	1525
03-03-98 19:00	4.2	1343	1336
03-03-98 20:00	4.1	1222	1214

Koppers Industries
Tie Plant Road
Daily Summary

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FROM 01/01/98 00:00 TO 06/30/98 23:59

Date/ Time	Opacity %	Cell 1 F	Cell 2 F
03-03-98 21:00	7.0	1215	947
03-03-98 22:00	6.2	1062	1148
03-03-98 23:00	4.0	970	1196
03-04-98 00:00	6.5	941	1238
03-04-98 01:00	5.6	1152	1097
03-04-98 02:00	4.9	1086	1116
03-04-98 03:00	5.9	1142	1167
03-04-98 04:00	11.9	1194	1253
03-04-98 05:00	5.0	1019	1229
03-04-98 06:00	4.6	1115	1351
03-04-98 07:00	5.0	1020	1264
03-04-98 08:00	5.2	1318	1204
03-04-98 09:00	5.6	1272	1265
03-04-98 10:00	6.0	1237	1448
03-04-98 11:00	5.3	1136	1384
03-04-98 12:00	5.3	1060	1312
03-04-98 13:00	5.1	1099	1147
03-04-98 14:00	5.9	1267	1213
03-04-98 15:00	5.2	1208	1252
03-04-98 16:00	5.0	1295	1222
03-04-98 17:00	5.3	1287	824
03-04-98 18:00	6.3	1356	1182
03-04-98 19:00	4.4	1267	1037
03-04-98 20:00	5.1	1077	1113
03-04-98 21:00	5.3	1025	1146
03-04-98 22:00	6.0	1353	1350
03-04-98 23:00	5.3	1307	1152
03-05-98 00:00	6.0	1210	1307
03-05-98 01:00	5.2	1317	1375
03-05-98 02:00	4.8	1105	1222
03-05-98 03:00	11.9	1009	1018
03-05-98 04:00	9.9	937	1079
03-05-98 05:00	8.0	951	1061
03-05-98 06:00	6.3	958	1046
03-05-98 07:00	5.7	828	1061
03-05-98 08:00	5.2	873	1134
03-05-98 09:00	4.7	997	1124
03-05-98 10:00	4.9	992	1105
03-05-98 11:00	5.1	1233	1192
03-05-98 12:00	4.6	1367	1257
03-05-98 13:00	4.4	1197	1073
03-05-98 14:00	4.9	1131	718
03-05-98 15:00	6.6	1045	1076
03-05-98 16:00	5.7	1135	1287
03-05-98 17:00	4.9	1124	1250

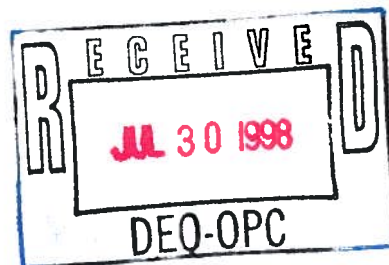
Koppers Industries
Tie Plant Road
Daily Summary

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FROM 01/01/98 00:00 TO 06/30/98 23:59

Date/ Time	Opacity %	Cell 1 F	Cell 2 F
03-05-98 18:00	4.8	1065	1188
03-05-98 19:00	5.6	962	1159
03-05-98 20:00	5.1	928	1149
03-05-98 21:00	4.9	983	1096
03-05-98 22:00	4.4	1113	1125
03-05-98 23:00	4.9	997	1028
03-06-98 00:00	5.3	1003	1026
03-06-98 01:00	4.8	1002	1025
03-06-98 02:00	5.2	1005	999
03-06-98 03:00	10.0	965	893
03-06-98 04:00	8.0	1035	914
03-06-98 05:00	5.5	1108	1068
03-06-98 06:00	5.4	1123	1066
03-06-98 07:00	5.1	985	1063
03-06-98 08:00	5.4	963	1008
03-06-98 09:00	6.3	1394	1334
03-06-98 10:00	4.8	1279	1285
03-06-98 11:00	4.6	1063	1133
03-06-98 12:00	9.9	1019	1084
03-06-98 13:00	5.8	1133	1237
03-06-98 14:00	5.2	957	1044
03-06-98 15:00	4.7	930	1063
03-06-98 16:00	4.8	950	1007
03-06-98 17:00	5.0	1045	1091
03-06-98 18:00	4.8	1050	1048
03-06-98 19:00	6.9	939	980
03-06-98 20:00	6.2	931	980
03-06-98 21:00	4.8	963	1035
03-06-98 22:00	5.1	1016	1102
03-06-98 23:00	5.0	1061	1122
03-07-98 00:00	5.1	1043	1118
03-07-98 01:00	5.1	995	1146
03-07-98 02:00	5.0	954	1139
03-07-98 03:00	4.8	1001	1032
03-07-98 04:00	5.3	986	994
03-07-98 05:00	7.2	856	1009
03-07-98 06:00	5.9	440	709
03-07-98 07:00	1.6	431	480
03-07-98 08:00	1.7	410	449
03-07-98 09:00	1.9	394	426
03-07-98 10:00	2.1	378	409
03-07-98 11:00	1.8	366	395
03-07-98 12:00	1.7	355	383
03-07-98 13:00	1.7	345	372
03-07-98 14:00	1.6	335	362

NO TREATED WOOD



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FROM 01/01/98 00:00 TO 06/30/98 23:59

Date/ Time	Opacity %	Cell 1 F	Cell 2 F
03-07-98 15:00	1.6	326	353
03-07-98 16:00	1.7	319	345
03-07-98 17:00	1.8	312	338
03-07-98 18:00	1.8	304	330
03-07-98 19:00	1.8	294	322
03-07-98 20:00	1.8	287	314
03-07-98 21:00	1.8	282	309
03-07-98 22:00	1.7	279	305
03-07-98 23:00	1.7	274	300
03-08-98 00:00	1.7	269	295
03-08-98 01:00	1.7	265	291
03-08-98 02:00	1.7	261	287
03-08-98 03:00	1.7	257	283
03-08-98 04:00	1.7	254	280
03-08-98 05:00	1.7	250	276
03-08-98 06:00	1.7	247	273
03-08-98 07:00	1.7	244	270
03-08-98 08:00	1.6	241	267
03-08-98 09:00	1.7	238	264
03-08-98 10:00	1.7	236	261
03-08-98 11:00	1.7	233	259
03-08-98 12:00	1.7	231	257
03-08-98 13:00	1.7	228	254
03-08-98 14:00	1.7	226	252
03-08-98 15:00	1.7	224	250
03-08-98 16:00	1.7	222	248
03-08-98 17:00	1.6	220	245
03-08-98 18:00	1.6	217	243
03-08-98 19:00	1.5	215	240
03-08-98 20:00	1.5	213	238
03-08-98 21:00	1.5	211	237
03-08-98 22:00	1.5	209	234
03-08-98 23:00	1.5	207	232
03-09-98 00:00	1.5	205	231
03-09-98 01:00	1.5	204	229
03-09-98 02:00	1.5	202	227
03-09-98 03:00	1.5	201	226
03-09-98 04:00	17.1	741	678
03-09-98 05:00	9.8	825	899
03-09-98 06:00	8.7	725	935
03-09-98 07:00	7.1	870	1031
03-09-98 08:00	6.6	962	1212
03-09-98 09:00	5.6	1057	1161
03-09-98 10:00	6.3	1212	1216
03-09-98 11:00	5.1	1293	1209

NO TREATED WOOD

Koppers Industries
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FROM 01/01/98 00:00 TO 06/30/98 23:59

Date/ Time	Opacity %	Cell 1 F	Cell 2 F
03-09-98 12:00	4.9	1281	1213
03-09-98 13:00	5.4	1263	1274
03-09-98 14:00	5.1	1473	1348
03-09-98 15:00	4.5	1683	1572
03-09-98 16:00	5.3	1675	1659
03-09-98 17:00	4.6	1535	1377
03-09-98 18:00	5.4	1608	1648
03-09-98 19:00	5.5	1662	1819
03-09-98 20:00	5.5	1449	1720
03-09-98 21:00	6.7	1462	1361
03-09-98 22:00	4.9	1487	1505
03-09-98 23:00	4.2	1582	1422
03-10-98 00:00	5.2	1415	1393
03-10-98 01:00	4.9	1271	1287
03-10-98 02:00	4.9	1230	1422
03-10-98 03:00	6.5	1178	1381
03-10-98 04:00	9.9	1683	1721
03-10-98 05:00	3.7	1868	1763
03-10-98 06:00	3.8	1853	1811
03-10-98 07:00	4.9	1773	1776
03-10-98 08:00	6.3	1727	1951
03-10-98 09:00	4.6	1575	1349
03-10-98 10:00	7.5	1659	1859
03-10-98 11:00	6.4	1689	1942
03-10-98 12:00	6.1	1647	1565
03-10-98 13:00	8.2	1402	1515
03-10-98 14:00	4.9	1759	1714
03-10-98 15:00	4.9	1659	1700
03-10-98 16:00	9.5	1065	1037
03-10-98 17:00	9.6	830	601
03-10-98 18:00	5.7	1329	1166
03-10-98 19:00	6.7	1095	998
03-10-98 20:00	4.6	1308	1307
03-10-98 21:00	6.6	1066	1049
03-10-98 22:00	6.4	1166	1117
03-10-98 23:00	3.7	1290	1429
03-11-98 00:00	4.2	1381	1446
03-11-98 01:00	3.6	1465	1275
03-11-98 02:00	3.6	1136	1221
03-11-98 03:00	3.9	1121	1344
03-11-98 04:00	5.8	1292	1058
03-11-98 05:00	6.9	1081	1358
03-11-98 06:00	4.1	1274	1529
03-11-98 07:00	5.6	1485	1744
03-11-98 08:00	5.0	1692	2028

Koppers Industries
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FROM 01/01/98 00:00 TO 06/30/98 23:59

Date/ Time	Opacity %	Cell 1 F	Cell 2 F
03-11-98 09:00	5.0	1637	1951
03-11-98 10:00	7.3	1740	1900
03-11-98 11:00	5.1	1757	1970
03-11-98 12:00	5.5	1697	1762
03-11-98 13:00	8.1	1399	1558
03-11-98 14:00	4.5	1748	1919
03-11-98 15:00	3.8	1740	1818
03-11-98 16:00	4.1	1745	1854
03-11-98 17:00	4.8	1672	2033
03-11-98 18:00	4.2	1771	1973
03-11-98 19:00	4.3	1617	1444
03-11-98 20:00	6.7	1297	1683
03-11-98 21:00	5.9	1879	1726
03-11-98 22:00	6.5	1419	1497
03-11-98 23:00	5.8	1207	1538
03-12-98 00:00	6.2	1769	1661
03-12-98 01:00	5.6	1646	1660
03-12-98 02:00	5.3	1606	1686
03-12-98 03:00	5.0	1702	1702
03-12-98 04:00	8.3	948	1390
03-12-98 05:00	7.2	1711	1541
03-12-98 06:00	3.5	1758	1769
03-12-98 07:00	3.6	1793	1829
03-12-98 08:00	3.3	1861	1842
03-12-98 09:00	3.4	1872	1768
03-12-98 10:00	3.1	1818	1762
03-12-98 11:00	4.1	1433	1213
03-12-98 12:00	4.7	1234	1440
03-12-98 13:00	4.0	1664	1586
03-12-98 14:00	3.8	1654	1879
03-12-98 15:00	3.5	1820	1785
03-12-98 16:00	3.6	1771	1777
03-12-98 17:00	3.6	1617	1613
03-12-98 18:00	3.3	1736	1729
03-12-98 19:00	4.8	1462	1773
03-12-98 20:00	6.3	1199	1447
03-12-98 21:00	4.4	1529	1658
03-12-98 22:00	4.0	1540	1978
03-12-98 23:00	4.5	1734	1858
03-13-98 00:00	4.3	1565	1594
03-13-98 01:00	4.0	1381	1618
03-13-98 02:00	3.2	1432	1755
03-13-98 03:00	2.8	1350	1608
03-13-98 04:00	5.1	1245	1314
03-13-98 05:00	8.5	1651	1499

Koppers Industries
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FROM 01/01/98 00:00 TO 06/30/98 23:59

Date/ Time	Opacity %	Cell 1 F	Cell 2 F
03-13-98 06:00	4.7	1762	1907
03-13-98 07:00	3.4	1896	1785
03-13-98 08:00	3.8	1932	1949
03-13-98 09:00	7.2	1922	1971
03-13-98 10:00	5.5	1652	1738
03-13-98 11:00	5.2	1751	1876
03-13-98 12:00	5.8	1463	1939
03-13-98 13:00	4.2	1880	1654
03-13-98 14:00	3.6	1823	1820
03-13-98 15:00	5.1	1564	1679
03-13-98 16:00	6.5	1729	1630
03-13-98 17:00	4.6	1725	1813
03-13-98 18:00	3.2	1828	1983
03-13-98 19:00	3.7	1753	1555
03-13-98 20:00	8.6	1379	1593
03-13-98 21:00	6.2	1587	1589
03-13-98 22:00	7.2	1789	1807
03-13-98 23:00	4.4	1757	1538
03-14-98 00:00	4.2	1611	1285
03-14-98 01:00	4.1	1576	1533
03-14-98 02:00	4.0	1919	1787
03-14-98 03:00	3.7	1909	1890
03-14-98 04:00	6.2	1485	1636
03-14-98 05:00	9.6	969	1021
03-14-98 06:00	7.8	1054	915
03-14-98 07:00	8.3	879	1163
03-14-98 08:00	3.6	470	504
03-14-98 09:00	1.5	495	508
03-14-98 10:00	1.4	468	476
03-14-98 11:00	1.5	444	450
03-14-98 12:00	1.5	424	430
03-14-98 13:00	1.5	408	414
03-14-98 14:00	1.5	393	400
03-14-98 15:00	1.4	380	388
03-14-98 16:00	1.5	369	377
03-14-98 17:00	1.5	358	366
03-14-98 18:00	1.4	347	356
03-14-98 19:00	1.5	337	347
03-14-98 20:00	1.5	328	338
03-14-98 21:00	1.4	319	330
03-14-98 22:00	1.4	311	323
03-14-98 23:00	1.4	304	316
03-15-98 00:00	2.1	297	310
03-15-98 01:00	1.4	291	304
03-15-98 02:00	1.4	285	298

NO TREATED WOOD BURNED
BOILER DOWN



Koppers Industries
Tie Plant Road
Daily Summary

Page 40

FROM 01/01/98 00:00 TO 06/30/98 23:59

Date/ Time	Opacity %	Cell 1 F	Cell 2 F
03-15-98 03:00	1.5	279	293
03-15-98 04:00	1.5	274	288
03-15-98 05:00	1.5	269	284
03-15-98 06:00	1.5	265	280
03-15-98 07:00	1.5	261	277
03-15-98 08:00	1.6	257	274
03-15-98 09:00	1.6	255	271
03-15-98 10:00	1.6	253	269
03-15-98 11:00	1.6	250	267
03-15-98 12:00	1.5	248	266
03-15-98 13:00	1.6	245	263
03-15-98 14:00	1.5	242	260
03-15-98 15:00	1.5	240	258
03-15-98 16:00	1.5	237	256
03-15-98 17:00	1.5	235	254
03-15-98 18:00	1.5	232	252
03-15-98 19:00	1.5	230	250
03-15-98 20:00	1.5	228	248
03-15-98 21:00	1.5	226	246
03-15-98 22:00	1.5	224	244
03-15-98 23:00	1.5	222	242
03-16-98 00:00	2.2	220	241
03-16-98 01:00	1.5	219	239
03-16-98 02:00	1.5	217	238
03-16-98 03:00	1.5	216	236
03-16-98 04:00	7.3	424	506
03-16-98 05:00	7.3	1072	1199
03-16-98 06:00	5.9	1112	1206
03-16-98 07:00	6.8	1006	1141
03-16-98 08:00	8.0	1032	1025
03-16-98 09:00	10.3	906	999
03-16-98 10:00	9.4	875	1031
03-16-98 11:00	7.1	1124	1131
03-16-98 12:00	4.3	1121	1581
03-16-98 13:00	4.9	1505	1450
03-16-98 14:00	4.0	1280	1530
03-16-98 15:00	4.1	1197	1233
03-16-98 16:00	5.6	1102	690
03-16-98 17:00	4.4	1318	831
03-16-98 18:00	3.9	1323	1137
03-16-98 19:00	4.0	1391	1227
03-16-98 20:00	11.7	1183	1232
03-16-98 21:00	9.3	1012	1082
03-16-98 22:00	6.0	1140	1294
03-16-98 23:00	5.3	1087	1005

BOILER DOWN

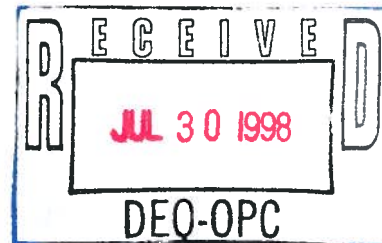
Koppers Industries
Tie Plant Road
Daily Summary

Page 41

FROM 01/01/98 00:00 TO 06/30/98 23:59

Date/ Time	Opacity %	Cell 1 F	Cell 2 F
03-17-98 00:00	8.7	1150	936
03-17-98 01:00	10.7	959	981
03-17-98 02:00	4.4	1335	1401
03-17-98 03:00	6.1	1003	1248
03-17-98 04:00	11.5	1275	1246
03-17-98 05:00	7.7	1231	1286
03-17-98 06:00	3.7	1142	1291
03-17-98 07:00	3.7	1075	1247
03-17-98 08:00	4.4	1217	1214
03-17-98 09:00	4.2	1287	1231
03-17-98 10:00	4.3	1233	1292
03-17-98 11:00	6.8	1055	1017
03-17-98 12:00	4.8	853	584
03-17-98 13:00	10.3	798	803
03-17-98 14:00	3.7	1383	1348
03-17-98 15:00	4.2	1376	1402
03-17-98 16:00	4.6	1149	1191
03-17-98 17:00	4.6	1076	1196
03-17-98 18:00	3.8	1107	1316
03-17-98 19:00	4.2	1080	1263
03-17-98 20:00	4.5	1109	1249
03-17-98 21:00	5.1	1158	1246
03-17-98 22:00	7.6	1071	1151
03-17-98 23:00	4.5	1148	1202
03-18-98 00:00	4.5	1212	1270
03-18-98 01:00	4.4	1292	1444
03-18-98 02:00	4.8	1235	1281
03-18-98 03:00	4.5	853	1257
03-18-98 04:00	7.3	774	1091
03-18-98 05:00	5.9	753	1088
03-18-98 06:00	6.1	748	1098
03-18-98 07:00	5.2	1016	1453
03-18-98 08:00	4.9	1455	1631
03-18-98 09:00	5.8	1365	1507
03-18-98 10:00	5.2	1427	1635
03-18-98 11:00	5.2	1399	1486
03-18-98 12:00	7.1	1018	1515
03-18-98 13:00	8.1	1077	1245
03-18-98 14:00	5.2	1335	1688
03-18-98 15:00	5.3	1278	1429
03-18-98 16:00	4.7	1412	1612
03-18-98 17:00	4.6	1366	1557
03-18-98 18:00	4.8	1437	1660
03-18-98 19:00	7.0	1248	1406
03-18-98 20:00	5.6	1392	1354

NO TREATED WOOD BURNED
3-17



Koppers Industries
Tie Plant Road
Daily Summary

Page 42

FROM 01/01/98 00:00 TO 06/30/98 23:59

Date/ Time	Opacity %	Cell 1 F	Cell 2 F
03-16-98 21:00	5.2	1291	1605
03-18-98 22:00	5.1	1449	1581
03-19-98 23:00	5.1	1371	1589
03-19-98 00:00	5.5	1451	1600
03-19-98 01:00	5.4	1357	1688
03-19-98 02:00	5.1	1337	1658
03-19-98 03:00	8.1	1242	1596
03-19-98 04:00	11.0	1244	1235
03-19-98 05:00	8.7	1323	1622
03-19-98 06:00	3.7	1378	1627
03-19-98 07:00	3.9	1419	1583
03-19-98 08:00	4.5	1404	1477
03-19-98 09:00	4.2	1277	1626
03-19-98 10:00	4.4	1252	1644
03-19-98 11:00	6.4	919	939
03-19-98 12:00	6.8	886	1072
03-19-98 13:00	6.5	999	1103
03-19-98 14:00	5.2	1174	1133
03-19-98 15:00	5.8	1027	1001
03-19-98 16:00	3.5	1265	1330
03-19-98 17:00	5.0	1243	1226
03-19-98 18:00	5.2	985	819
03-19-98 19:00	4.2	1116	1203
03-19-98 20:00	4.3	1192	1383
03-19-98 21:00	5.2	1193	1405
03-19-98 22:00	3.0	1447	1517
03-19-98 23:00	3.5	1342	1439
03-20-98 00:00	3.1	1284	1484
03-20-98 01:00	3.0	1220	1476
03-20-98 02:00	3.9	1279	1368
03-20-98 03:00	4.2	1183	1523
03-20-98 04:00	9.3	1317	1192
03-20-98 05:00	3.6	1375	1403
03-20-98 06:00	3.5	1540	1477
03-20-98 07:00	2.8	1544	1503
03-20-98 08:00	3.7	1512	1480
03-20-98 09:00	3.6	1348	1628
03-20-98 10:00	3.9	1091	1009
03-20-98 11:00	1.7	511	559
03-20-98 12:00	10.8	384	482
03-20-98 13:00	6.6	943	1367
03-20-98 14:00	4.4	983	1630
03-20-98 15:00	4.0	1058	1535
03-20-98 16:00	3.1	1108	1634
03-20-98 17:00	4.6	1231	1795

Koppers Industries
Tie Plant Road
Daily Summary

Page 43

FROM 01/01/98 00:00 TO 06/30/98 23:59

Date/ Time	Opacity %	Cell 1 F	Cell 2 F
03-20-98 18:00	5.1	1214	1916
03-20-98 19:00	4.2	1203	1888
03-20-98 20:00	6.3	889	1649
03-20-98 21:00	5.7	1099	1215
03-20-98 22:00	3.4	1320	1702
03-20-98 23:00	3.3	1264	1656
03-21-98 00:00	4.9	1131	1765
03-21-98 01:00	4.0	1207	1906
03-21-98 02:00	3.6	1196	1878
03-21-98 03:00	5.3	1061	1747
03-21-98 04:00	8.1	1063	1317
03-21-98 05:00	3.7	1185	1757
03-21-98 06:00	4.1	1431	1944
03-21-98 07:00	4.9	1296	1922
03-21-98 08:00	4.2	1103	1704
03-21-98 09:00	4.6	1147	1874
03-21-98 10:00	4.8	1134	1881
03-21-98 11:00	3.8	1134	1908
03-21-98 12:00	6.1	1068	1529
03-21-98 13:00	5.3	1449	1559
03-21-98 14:00	6.1	1151	1406
03-21-98 15:00	3.4	1394	1623
03-21-98 16:00	4.3	1348	1711
03-21-98 17:00	4.6	1315	1630
03-21-98 18:00	4.2	1307	1642
03-21-98 19:00	3.9	1270	1401
03-21-98 20:00	5.4	1210	1397
03-21-98 21:00	7.2	882	1491
03-21-98 22:00	4.6	1513	1353
03-21-98 23:00	3.0	1648	1772
03-22-98 00:00	3.4	1472	1786
03-22-98 01:00	4.0	1234	1645
03-22-98 02:00	3.9	1354	1692
03-22-98 03:00	3.6	1226	1577
03-22-98 04:00	4.3	1377	1572
03-22-98 05:00	4.8	1478	1595
03-22-98 06:00	3.1	1450	1625
03-22-98 07:00	2.8	1411	1591
03-22-98 08:00	4.0	1456	1627
03-22-98 09:00	5.5	1440	1874
03-22-98 10:00	4.1	1619	1882
03-22-98 11:00	4.0	1453	1716
03-22-98 12:00	3.3	1499	1706
03-22-98 13:00	4.2	1765	1951
03-22-98 14:00	5.0	1737	1656

NO TREATED WOOD BURNED
3-21 + 3-22

Koppers Industries
Tie Plant Road
Daily Summary

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FROM 01/01/98 00:00 TO 06/30/98 23:59

Date/ Time	Opacity %	Cell 1 F	Cell 2 F
03-22-98 15:00	3.5	1888	1896
03-22-98 16:00	2.6	1842	1933
03-22-98 17:00	3.0	1614	1960
03-22-98 18:00	3.8	1444	1951
03-22-98 19:00	5.6	1612	1599
03-22-98 20:00	3.7	1681	1752
03-22-98 21:00	2.3	1828	1913
03-22-98 22:00	2.3	1946	1861
03-22-98 23:00	2.6	1894	1851
03-23-98 00:00	3.7	1675	1833
03-23-98 01:00	2.7	1804	1923
03-23-98 02:00	2.1	1821	1950
03-23-98 03:00	3.0	1478	1863
03-23-98 04:00	6.5	1753	1794
03-23-98 05:00	5.8	1755	1792
03-23-98 06:00	3.3	1594	1925
03-23-98 07:00	2.9	1750	1955
03-23-98 08:00	3.1	1588	1674
03-23-98 09:00	4.0	1478	1571
03-23-98 10:00	4.2	1379	1486
03-23-98 11:00	3.3	1371	1496
03-23-98 12:00	4.1	1236	1384
03-23-98 13:00	4.4	1463	1376
03-23-98 14:00	4.2	1586	1478
03-23-98 15:00	4.0	1487	1346
03-23-98 16:00	4.2	1400	1190
03-23-98 17:00	4.3	1462	1159
03-23-98 18:00	4.2	1530	1488
03-23-98 19:00	4.7	1328	1385
03-23-98 20:00	4.1	1503	1342
03-23-98 21:00	4.4	1347	1265
03-23-98 22:00	4.5	1394	1422
03-23-98 23:00	4.4	1311	1298
03-24-98 00:00	5.5	1235	1185
03-24-98 01:00	6.2	1290	1012
03-24-98 02:00	5.8	1124	1087
03-24-98 03:00	6.3	1099	1231
03-24-98 04:00	5.1	1250	1081
03-24-98 05:00	5.0	1172	1036
03-24-98 06:00	6.1	1117	998
03-24-98 07:00	5.8	1103	1068
03-24-98 08:00	4.2	1164	1164
03-24-98 09:00	5.1	1081	1065
03-24-98 10:00	7.4	874	765
03-24-98 11:00	9.1	863	809

NO TREATED WOOD BURNED
3-21 + 3-22

NO TREATED WOOD BURNED
3-24 + 3-25 + 3-26

Koppers Industries
Tie Plant Road
Daily Summary

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FROM 01/01/98 00:00 TO 06/30/98 23:59

Date/ Time	Opacity %	Cell 1 F	Cell 2 F
03-24-98 12:00	6.2	930	1009
03-24-98 13:00	5.4	1018	1032
03-24-98 14:00	4.2	1137	1095
03-24-98 15:00	4.3	1113	1208
03-24-98 16:00	3.8	1193	1333
03-24-98 17:00	3.2	1203	1391
03-24-98 18:00	3.3	1319	1551
03-24-98 19:00	6.4	1113	1131
03-24-98 20:00	4.4	1122	1156
03-24-98 21:00	5.0	966	1030
03-24-98 22:00	4.4	1133	1082
03-24-98 23:00	3.5	1367	1144
03-25-98 00:00	4.3	1246	1135
03-25-98 01:00	3.5	1400	1164
03-25-98 02:00	4.4	1299	1088
03-25-98 03:00	4.1	1236	1181
03-25-98 04:00	9.4	1353	1202
03-25-98 05:00	4.3	1240	1097
03-25-98 06:00	4.3	1376	1432
03-25-98 07:00	2.5	1709	1673
03-25-98 08:00	3.1	1794	1542
03-25-98 09:00	3.3	1744	1630
03-25-98 10:00	2.8	1728	1654
03-25-98 11:00	4.3	1454	1236
03-25-98 12:00	7.5	1012	1099
03-25-98 13:00	4.2	1526	1286
03-25-98 14:00	3.2	1585	1383
03-25-98 15:00	3.1	1523	1383
03-25-98 16:00	3.3	1730	1556
03-25-98 17:00	3.3	1491	1280
03-25-98 18:00	2.6	1359	1301
03-25-98 19:00	6.9	1100	999
03-25-98 20:00	4.4	1426	1172
03-25-98 21:00	4.0	1395	1186
03-25-98 22:00	3.8	1265	1286
03-25-98 23:00	2.7	1445	1337
03-26-98 00:00	4.0	1590	1286
03-26-98 01:00	4.6	1291	1177
03-26-98 02:00	5.0	1108	1046
03-26-98 03:00	5.8	1035	1134
03-26-98 04:00	6.9	757	609
03-26-98 05:00	4.9	1581	1295
03-26-98 06:00	6.5	1810	1527
03-26-98 07:00	3.0	1796	1314
03-26-98 08:00	4.3	1652	1015

NO TREATED WOOD BURNED
3-24 + 3-25 + 3-26

Koppers Industries
Tie Plant Road
Daily Summary

Page 46

FROM 01/01/98 00:00 TO 06/30/98 23:59

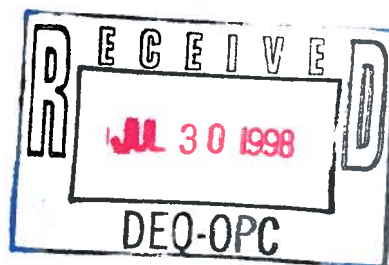
Date/ Time	Opacity %	Cell 1 F	Cell 2 F
03-26-98 09:00	4.2	1597	924
03-26-98 10:00	5.4	1200	701
03-26-98 11:00	4.8	1487	1199
03-26-98 12:00	3.8	1553	1101
03-26-98 13:00	3.6	1714	1612
03-26-98 14:00	4.3	1801	1651
03-26-98 15:00	3.3	1747	1666
03-26-98 16:00	3.5	1602	1516
03-26-98 17:00	3.5	1352	1476
03-26-98 18:00	3.6	1649	1897
03-26-98 19:00	4.7	1254	1526
03-26-98 20:00	6.5	1467	1469
03-26-98 21:00	3.5	1781	1770
03-26-98 22:00	3.6	1597	1083
03-26-98 23:00	3.7	1709	1616
03-27-98 00:00	11.1	607	552
03-27-98 01:00	13.9	508	424
03-27-98 02:00	10.4	642	494
03-27-98 03:00	4.4	1632	1461
03-27-98 04:00	3.4	1549	1659
03-27-98 05:00	3.1	1640	1784
03-27-98 06:00	4.4	1715	1927
03-27-98 07:00	3.3	1694	1938
03-27-98 08:00	3.5	1726	1907
03-27-98 09:00	4.6	1877	1918
03-27-98 10:00	5.5	1887	1924
03-27-98 11:00	4.6	1790	1990
03-27-98 12:00	4.8	1587	1684
03-27-98 13:00	4.7	1726	1762
03-27-98 14:00	3.9	1796	1898
03-27-98 15:00	4.8	1688	1724
03-27-98 16:00	4.4	1880	1923
03-27-98 17:00	4.8	1888	1964
03-27-98 18:00	4.9	1618	1988
03-27-98 19:00	10.5	1175	1099
03-27-98 20:00	6.2	1666	1979
03-27-98 21:00	4.3	1680	1874
03-27-98 22:00	4.5	1733	2061
03-27-98 23:00	3.9	1835	1964
03-28-98 00:00	4.6	1584	1902
03-28-98 01:00	3.8	1648	2019
03-28-98 02:00	3.7	1617	1893
03-28-98 03:00	6.1	1468	1504
03-28-98 04:00	4.5	1847	1665
03-28-98 05:00	18.0	1880	1896

Koppers Industries
Tie Plant Road
Daily Summary

Page 47

FROM 01/01/98 00:00 TO 06/30/98 23:59

Date/ Time	Opacity %	Cell 1 F	Cell 2 F
03-28-98 06:00	5.4	1874	1915
03-28-98 07:00	4.2	1743	2022
03-28-98 08:00	4.7	1568	2076
03-28-98 09:00	3.8	1684	1666
03-28-98 10:00	4.1	1745	2060
03-28-98 11:00	4.9	1546	2059
03-28-98 12:00	5.4	1461	1548
03-28-98 13:00	4.3	1521	1813
03-28-98 14:00	3.5	1600	1863
03-28-98 15:00	3.2	1561	1513
03-28-98 16:00	3.3	1517	1104
03-28-98 17:00	3.6	1617	1797
03-28-98 18:00	3.1	1694	2004
03-28-98 19:00	3.3	1422	2019
03-28-98 20:00	4.1	1516	1615
03-28-98 21:00	3.5	1570	1697
03-28-98 22:00	3.3	1442	1976
03-28-98 23:00	2.8	1683	2046
03-29-98 00:00	4.6	1567	1504
03-29-98 01:00	5.8	1382	1293
03-29-98 02:00	2.7	1709	1714
03-29-98 03:00	3.9	1422	1628
03-29-98 04:00	6.3	1427	1397
03-29-98 05:00	2.3	1517	1624
03-29-98 06:00	3.3	1682	1879
03-29-98 07:00	2.6	1631	1962
03-29-98 08:00	3.8	1349	1554
03-29-98 09:00	4.0	1568	1923
03-29-98 10:00	2.8	1662	1935
03-29-98 11:00	3.8	1664	1970
03-29-98 12:00	3.1	1679	1965
03-29-98 13:00	3.3	1468	1796
03-29-98 14:00	4.1	1608	1667
03-29-98 15:00	3.3	1312	1494
03-29-98 16:00	3.8	1402	1613
03-29-98 17:00	4.4	1390	1746
03-29-98 18:00	3.8	1336	1625
03-29-98 19:00	3.4	1323	1482
03-29-98 20:00	4.3	1605	1644
03-29-98 21:00	4.4	1429	1563
03-29-98 22:00	4.2	1226	1406
03-29-98 23:00	8.6	996	1050
03-30-98 00:00	5.4	1409	1340
03-30-98 01:00	4.6	1418	1405
03-30-98 02:00	3.9	1192	1351



Koppers Industries
Tie Plant Road
Daily Summary

Page 48

FROM 01/01/98 00:00 TO 06/30/98 23:59

Date/ Time	Opacity	Cell 1	Cell 2
	%	F	F
3-30-98 02:00	3.6	1360	1592
3-30-98 04:00	4.6	1472	1503
3-30-98 05:00	3.9	1603	1711
3-30-98 06:00	3.9	1414	1676
3-30-98 07:00	4.1	1509	1754
3-30-98 08:00	3.8	1553	1800
3-30-98 09:00	4.1	1337	1459
3-30-98 10:00	4.9	1547	1579
3-30-98 11:00	3.9	1590	1720
3-30-98 12:00	4.5	1299	1695
3-30-98 13:00	3.6	1564	1759
3-30-98 14:00	3.6	1438	1788
3-30-98 15:00	3.6	1785	1972
3-30-98 16:00	3.6	1650	1979
3-30-98 17:00	3.7	1549	2130
3-30-98 18:00	3.4	1646	2027
3-30-98 19:00	4.4	1255	1873
3-30-98 20:00	11.3	1000	1176
3-30-98 21:00	3.6	1483	1859
3-30-98 22:00	3.5	1569	1691
3-30-98 23:00	4.0	1513	1824
3-31-98 00:00	4.1	1663	1851
3-31-98 01:00	3.8	1606	1980
3-31-98 02:00	4.4	1561	1725
3-31-98 03:00	4.5	1319	1604
3-31-98 04:00	13.1	1536	1946
3-31-98 05:00	4.4	1425	1832
3-31-98 06:00	4.1	1497	1958
3-31-98 07:00	3.5	1474	1987
3-31-98 08:00	4.3	1521	1848
3-31-98 09:00	3.8	1530	1953
3-31-98 10:00	3.1	1646	1870
3-31-98 11:00	5.5	1685	1761
3-31-98 12:00	10.6	1177	1521
3-31-98 13:00	3.4	1695	1725
3-31-98 14:00	3.4	1496	1773
3-31-98 15:00	3.3	1544	1843
3-31-98 16:00	3.0	1544	1897
3-31-98 17:00	2.8	1671	1884
3-31-98 18:00	3.8	1422	1911
3-31-98 19:00	5.6	1350	1451
3-31-98 20:00	2.3	1375	1733
3-31-98 21:00	2.5	1601	1922
3-31-98 22:00	4.2	1421	1557
3-31-98 23:00	4.4	1466	1725

Koppers Industries
Tie Plant Road
Daily Summary

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FROM 01/01/98 00:00 TO 06/30/98 23:59

Date/ Time	Opacity	Cell 1	Cell 2
	%	F	F
14-01-98 00:00	3.6	1581	2005
14-01-98 01:00	2.2	1583	1891
14-01-98 02:00	2.6	1565	1873
14-01-98 03:00	4.4	1219	1926
14-01-98 04:00	6.6	1462	1520
14-01-98 05:00	3.8	1564	1800
14-01-98 06:00	3.8	1606	1966
14-01-98 07:00	4.0	1711	1977
14-01-98 08:00	3.4	1670	1878
14-01-98 09:00	4.6	1657	1932
14-01-98 10:00	3.8	1766	2050
14-01-98 11:00	3.7	1695	1960
14-01-98 12:00	5.8	1370	1587
14-01-98 13:00	4.7	1642	2052
14-01-98 14:00	3.4	1754	1934
14-01-98 15:00	4.0	1696	1915
14-01-98 16:00	3.5	1711	2034
14-01-98 17:00	2.7	1742	1981
14-01-98 18:00	3.5	1633	1861
14-01-98 19:00	4.5	1555	1520
14-01-98 20:00	3.2	1772	1859
14-01-98 21:00	2.7	1845	1846
14-01-98 22:00	3.5	1832	1825
14-01-98 23:00	5.7	1613	1507
14-02-98 00:00	3.0	1656	1863
14-02-98 01:00	3.5	1589	1885
14-02-98 02:00	3.2	1608	1927
14-02-98 03:00	3.8	1339	1545
14-02-98 04:00	10.2	1343	1490
14-02-98 05:00	3.3	1495	1868
14-02-98 06:00	2.7	1662	1959
14-02-98 07:00	3.3	1761	1899
14-02-98 08:00	3.6	1635	1853
14-02-98 09:00	3.3	1708	1996
14-02-98 10:00	3.1	1714	1973
14-02-98 11:00	3.6	1662	2068
14-02-98 12:00	3.4	1440	1747
14-02-98 13:00	3.5	1760	1876
14-02-98 14:00	3.3	1730	1929
14-02-98 15:00	2.8	1680	1984
14-02-98 16:00	2.5	1728	1948
14-02-98 17:00	3.1	1745	1881
14-02-98 18:00	3.4	1534	1870
14-02-98 19:00	2.8	1597	1745
14-02-98 20:00	3.3	1761	1849

NO TREATED WOOD BURNED
4-2 TO 4-7

Koppers Industries
Tie Plant Road
Daily Summary

Page 50

FROM 01/01/98 00:00 TO 06/30/98 23:59

Date/ Time	Opacity %	Cell 1 F	Cell 2 F
04-02-98 21:00	2.7	1681	1966
04-02-98 22:00	3.4	1638	1970
04-02-98 23:00	3.3	1754	1963
04-03-98 00:00	3.7	1752	1958
04-03-98 01:00	7.1	1775	1943
04-03-98 02:00	3.5	1700	2006
04-03-98 03:00	3.8	1661	1988
04-03-98 04:00	5.8	1330	1731
04-03-98 05:00	7.8	1480	1946
04-03-98 06:00	4.0	1611	1980
04-03-98 07:00	4.9	1583	2051
04-03-98 08:00	3.7	1706	2046
04-03-98 09:00	4.2	1680	2005
04-03-98 10:00	4.1	1751	2006
04-03-98 11:00	3.8	1712	1943
04-03-98 12:00	7.3	1341	1392
04-03-98 13:00	4.4	1536	1997
04-03-98 14:00	3.6	1723	1996
04-03-98 15:00	4.0	1686	2071
04-03-98 16:00	3.4	1642	2083
04-03-98 17:00	3.3	1753	2024
04-03-98 18:00	3.4	1631	1996
04-03-98 19:00	3.8	1495	1776
04-03-98 20:00	3.4	1520	1857
04-03-98 21:00	3.2	1544	1976
04-03-98 22:00	2.7	1591	1991
04-03-98 23:00	3.6	1738	1926
04-04-98 00:00	4.0	1649	1773
04-04-98 01:00	3.5	1808	1744
04-04-98 02:00	4.4	1658	1865
04-04-98 03:00	3.6	1630	1951
04-04-98 04:00	4.9	1329	1576
04-04-98 05:00	4.8	1409	1735
04-04-98 06:00	4.1	1548	1962
04-04-98 07:00	2.6	1626	1973
04-04-98 08:00	8.0	1671	1957
04-04-98 09:00	4.0	1655	1874
04-04-98 10:00	3.6	1543	1780
04-04-98 11:00	4.0	1398	1671
04-04-98 12:00	4.2	1434	1669
04-04-98 13:00	4.1	1557	1796
04-04-98 14:00	2.8	1693	1965
04-04-98 15:00	3.8	1580	1826
04-04-98 16:00	3.7	1763	1850
04-04-98 17:00	2.8	1707	1869

NO TREATED WOOD BURNED

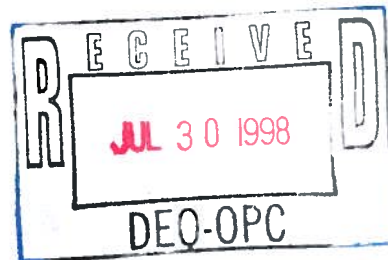
Koppers Industries
Tie Plant Road
Daily Summary

Page 51

FROM 01/01/98 00:00 TO 06/30/98 23:59

Date/ Time	Opacity %	Cell 1 F	Cell 2 F
04-04-98 18:00	4.9	1482	1710
04-04-98 19:00	3.3	1659	1849
04-04-98 20:00	2.7	1624	1878
04-04-98 21:00	3.9	1629	1833
04-04-98 22:00	3.1	1693	1885
04-04-98 23:00	3.3	1673	1816
04-05-98 00:00	4.4	1620	1900
04-05-98 01:00	3.2	1527	1890
04-05-98 03:00	7.0	1388	1493
04-05-98 04:00	4.5	1441	1571
04-05-98 05:00	3.7	1471	1704
04-05-98 06:00	3.6	1572	1723
04-05-98 07:00	5.0	1538	1736
04-05-98 08:00	3.7	1586	1764
04-05-98 09:00	6.4	1435	1527
04-05-98 10:00	7.9	979	1279
04-05-98 11:00	4.9	1395	1572
04-05-98 12:00	3.5	1407	1816
04-05-98 13:00	3.8	1516	1686
04-05-98 14:00	3.8	1513	1722
04-05-98 15:00	3.1	1442	1760
04-05-98 16:00	3.7	1506	1699
04-05-98 17:00	3.1	1539	1592
04-05-98 18:00	3.4	1356	1763
04-05-98 19:00	4.9	1319	1421
04-05-98 20:00	3.2	1493	1731
04-05-98 21:00	2.3	1496	1804
04-05-98 22:00	3.0	1417	1567
04-05-98 23:00	2.9	1589	1645
04-06-98 00:00	2.1	1603	1747
04-06-98 01:00	2.2	1570	1699
04-06-98 02:00	3.2	1575	1623
04-06-98 03:00	3.4	1419	1644
04-06-98 04:00	2.6	1563	1650
04-06-98 05:00	9.2	1399	1522
04-06-98 06:00	12.0	781	1034
04-06-98 07:00	7.1	608	879
04-06-98 08:00	7.1	642	583
04-06-98 09:00	14.7	959	1022
04-06-98 10:00	5.2	842	1142
04-06-98 11:00	6.0	821	1064
04-06-98 12:00	5.6	719	1124
04-06-98 13:00	5.8	1081	1129
04-06-98 14:00	4.1	1016	1299
04-06-98 15:00	3.3	1035	1390

NO TREATED WOOD BURNED



Koppers Industries
Tie Plant Road
Daily Summary

Page 52

FROM 01/01/98 00:00 TO 06/30/98 23:59

Date/ Time	Opacity %	Cell 1 F	Cell 2 F
04-06-98 16:00	2.7	1576	1750
04-06-98 17:00	3.1	1533	1970
04-06-98 18:00	2.9	1468	2031
04-06-98 19:00	3.8	1379	1802
04-06-98 20:00	4.3	1643	1584
04-06-98 21:00	3.1	1614	1911
04-06-98 22:00	2.7	1575	1921
04-06-98 23:00	3.0	1612	1885
04-07-98 00:00	3.9	1477	1961
04-07-98 01:00	3.8	1461	2014
04-07-98 02:00	6.1	1354	1590
04-07-98 03:00	6.8	1252	1513
04-07-98 04:00	23.7	1559	1885
04-07-98 05:00	8.0	1420	1943
04-07-98 06:00	3.3	1497	1839
04-07-98 07:00	3.9	1481	1846
04-07-98 08:00	3.8	1520	1810
04-07-98 09:00	3.3	1388	1955
04-07-98 10:00	3.3	1480	1887
04-07-98 11:00	3.8	1757	1941
04-07-98 12:00	4.9	1614	1701
04-07-98 13:00	4.0	1387	1608
04-07-98 14:00	5.1	1077	1392
04-07-98 15:00	4.3	1196	1770
04-07-98 16:00	3.8	1106	1653
04-07-98 17:00	3.4	1379	1673
04-07-98 18:00	3.8	1691	1830
04-07-98 19:00	6.7	1184	1382
04-07-98 20:00	3.7	1481	1599
04-07-98 21:00	3.6	1077	1417
04-07-98 22:00	5.1	1089	1379
04-07-98 23:00	3.8	1424	1899
04-08-98 00:00	4.1	1672	1839
04-08-98 01:00	4.1	1769	1873
04-08-98 02:00	3.8	1609	1972
04-08-98 03:00	4.4	1464	1743
04-08-98 04:00	4.2	1530	1734
04-08-98 05:00	6.6	1519	1834
04-08-98 06:00	3.2	1712	1742
04-08-98 07:00	5.7	1047	1221
04-08-98 08:00	5.3	1320	1436
04-08-98 09:00	4.4	1536	1818
04-08-98 10:00	3.8	1619	1978
04-08-98 11:00	4.1	1727	1991
04-08-98 12:00	4.6	1454	1903

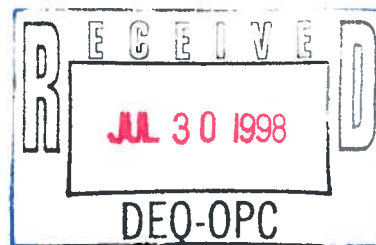
NO TREATED WOOD BURNED

Koppers Industries
Tie Plant Road
Daily Summary

Page 53

FROM 01/01/98 00:00 TO 06/30/98 23:59

Date/ Time	Opacity %	Cell 1	Cell 2
		F	F
04-08-98 13:00	4.9	1409	1584
04-08-98 14:00	4.5	1501	1648
04-08-98 15:00	4.3	1647	1864
04-08-98 16:00	3.8	1553	1986
04-08-98 17:00	3.0	1625	1922
04-08-98 18:00	3.8	1557	1995
04-08-98 19:00	4.8	1326	1726
04-08-98 20:00	5.2	1043	1483
04-08-98 21:00	3.6	1404	1662
04-08-98 22:00	3.7	1616	1829
04-08-98 23:00	4.3	1772	1788
04-09-98 00:00	3.9	1813	1786
04-09-98 01:00	3.6	1786	1683
04-09-98 02:00	4.3	1732	1653
04-09-98 03:00	6.6	1340	1470
04-09-98 04:00	11.3	1488	1280
04-09-98 05:00	4.3	1712	1717
04-09-98 06:00	3.3	1618	1924
04-09-98 07:00	5.5	1451	1589
04-09-98 08:00	4.2	1476	1889
04-09-98 09:00	5.7	1334	1605
04-09-98 10:00	3.1	1682	1850
04-09-98 11:00	3.7	1651	1795
04-09-98 12:00	5.3	1376	1681
04-09-98 13:00	4.5	1635	1660
04-09-98 14:00	4.1	1540	1590
04-09-98 15:00	4.8	1495	1782
04-09-98 16:00	4.0	1515	1750
04-09-98 17:00	3.4	1531	1741
04-09-98 18:00	6.1	1407	1592
04-09-98 19:00	3.6	1501	1657
04-09-98 20:00	2.8	1534	1725
04-09-98 21:00	4.1	1580	1744
04-09-98 22:00	2.6	1428	1858
04-09-98 23:00	3.1	1423	1532
04-10-98 00:00	3.5	1434	1769
04-10-98 01:00	3.1	1510	1761
04-10-98 02:00	3.7	1541	1614
04-10-98 03:00	3.7	1350	1517
04-10-98 04:00	9.0	942	1249
04-10-98 05:00	13.6	547	811
04-10-98 06:00	2.2	416	467
04-10-98 07:00	1.7	376	425
04-10-98 08:00	1.8	346	389
04-10-98 09:00	1.7	324	363



BOILER DOWN
4-10 TO 4-14

Koppers Industries
Tie Plant Road
Daily Summary

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FROM 01/01/98 00:00 TO 06/30/98 23:59

Date/ Time	Opacity %	Cell 1 F	Cell 2 F
4-10-98 10:00	1.6	308	343
4-10-98 11:00	1.6	294	328
4-10-98 12:00	1.5	284	316
4-10-98 13:00	1.6	276	307
4-10-98 14:00	1.6	269	298
4-10-98 15:00	1.6	263	290
4-10-98 16:00	1.6	257	284
4-10-98 17:00	1.6	250	278
4-10-98 18:00	1.6	244	272
4-10-98 19:00	1.6	239	268
4-10-98 20:00	1.5	234	260
4-10-98 21:00	1.5	228	254
4-10-98 22:00	1.5	223	248
4-10-98 23:00	1.5	219	244
4-11-98 00:00	1.5	215	240
4-11-98 01:00	1.5	212	236
4-11-98 02:00	1.4	209	233
4-11-98 03:00	1.5	206	230
4-11-98 04:00	1.5	203	227
4-11-98 05:00	1.5	201	224
4-11-98 06:00	1.5	205	227
4-11-98 07:00	1.9	213	230
4-11-98 08:00	2.1	213	230
4-11-98 09:00	2.1	214	232
4-11-98 10:00	1.9	214	233
4-11-98 11:00	1.8	213	232
4-11-98 12:00	1.6	212	232
4-11-98 13:00	1.5	212	230
4-11-98 14:00	1.5	211	230
4-11-98 15:00	1.5	210	229
4-11-98 16:00	1.5	210	228
4-11-98 17:00	1.5	209	227
4-11-98 18:00	1.6	207	225
4-11-98 19:00	1.6	204	223
4-11-98 20:00	1.6	201	220
4-11-98 21:00	1.5	198	217
4-11-98 22:00	1.5	195	215
4-11-98 23:00	1.5	193	214
4-12-98 00:00	1.5	192	212
4-12-98 01:00	1.5	190	211
4-12-98 02:00	1.5	189	210
4-12-98 03:00	1.4	187	208
4-12-98 04:00	1.4	186	207
4-12-98 05:00	1.4	186	206
4-12-98 06:00	1.5	185	205

Boiler Down



Koppers Industries
Tie Plant Road
Daily Summary

Page 55

FROM 01/01/98 00:00 TO 06/30/98 23:59

Date/ Time	Opacity %	Cell 1	Cell 2
		F	F
4-12-98 07:00	1.8	185	206
4-12-98 08:00	2.0	187	208
4-12-98 09:00	2.0	188	209
4-12-98 10:00	1.9	190	210
4-12-98 11:00	1.8	190	211
4-12-98 12:00	1.7	191	212
4-12-98 13:00	1.6	191	212
4-12-98 14:00	1.6	191	212
4-12-98 15:00	1.6	191	212
4-12-98 16:00	1.5	191	212
4-12-98 17:00	1.5	190	212
4-12-98 18:00	1.6	190	211
4-12-98 19:00	1.6	188	210
4-12-98 20:00	1.6	187	208
4-12-98 21:00	1.6	186	208
4-12-98 22:00	1.6	185	207
4-12-98 23:00	1.6	185	206
4-13-98 00:00	2.4	184	206
4-13-98 01:00	1.6	184	205
4-13-98 02:00	1.6	183	204
4-13-98 03:00	1.6	182	204
4-13-98 04:00	1.6	181	204
4-13-98 05:00	2.3	182	206
4-13-98 06:00	2.6	182	206
4-13-98 07:00	2.4	182	206
4-13-98 08:00	2.7	181	206
4-13-98 09:00	2.3	182	206
4-13-98 10:00	8.4	182	206
4-13-98 11:00	2.5	182	206
4-13-98 12:00	1.8	182	206
4-13-98 13:00	1.7	182	206
4-13-98 14:00	1.7	182	206
4-13-98 15:00	1.7	182	206
4-13-98 16:00	1.7	182	206
4-13-98 17:00	1.7	182	206
4-13-98 18:00	1.7	182	206
4-13-98 19:00	1.7	181	206
4-13-98 20:00	1.8	181	206
4-13-98 21:00	1.8	181	205
4-13-98 22:00	1.8	180	205
4-13-98 23:00	1.8	180	204
4-14-98 00:00	1.8	180	205
4-14-98 01:00	1.9	180	205
4-14-98 02:00	1.9	180	205
4-14-98 03:00	1.9	180	205

BOILER DOWN



Koppers Industries
Tie Plant Road
Daily Summary

Page 56

FROM 01/01/98 00:00 TO 06/30/98 23:59

Date/ Time	Opacity %	Cell 1	Cell 2
		F	F
04-14-98 04:00	7.7	369	496
04-14-98 05:00	12.3	723	1163
04-14-98 06:00	7.8	544	968
04-14-98 07:00	4.7	753	1147
04-14-98 08:00	2.9	942	1534
04-14-98 09:00	2.9	1521	1720
04-14-98 10:00	3.1	1522	1757
04-14-98 11:00	2.7	1499	1795
04-14-98 12:00	3.7	958	926
04-14-98 13:00	4.2	963	1417
04-14-98 14:00	3.2	1305	1760
04-14-98 15:00	2.8	1481	1987
04-14-98 16:00	2.4	1640	1878
04-14-98 17:00	3.0	1402	1705
04-14-98 18:00	3.5	1137	1422
04-14-98 19:00	2.7	914	1394
04-14-98 20:00	2.8	937	1394
04-14-98 21:00	3.7	1362	1533
04-14-98 22:00	6.5	802	1040
04-14-98 23:00	3.1	1231	1389
04-15-98 00:00	2.9	1481	1580
04-15-98 01:00	4.0	1226	1482
04-15-98 02:00	5.9	578	698
04-15-98 03:00	3.6	1061	1363
04-15-98 04:00	4.4	877	1222
04-15-98 05:00	7.6	1304	1741
04-15-98 06:00	3.6	1412	1932
04-15-98 07:00	2.5	1410	1762
04-15-98 08:00	3.3	1420	1876
04-15-98 09:00	3.3	1417	1947
04-15-98 10:00	3.0	1590	1738
04-15-98 11:00	3.3	1682	1774
04-15-98 12:00	4.1	1286	1690
04-15-98 13:00	3.6	1462	1809
04-15-98 14:00	3.6	1509	2035
04-15-98 15:00	2.8	1549	1911
04-15-98 16:00	4.2	1260	1340
04-15-98 17:00	3.7	1330	1496
04-15-98 18:00	2.7	1747	1463
04-15-98 19:00	3.1	1537	1726
04-15-98 20:00	2.4	1636	1834
04-15-98 21:00	3.7	1652	1897
04-15-98 22:00	4.1	1558	1575
04-15-98 23:00	4.0	1558	1782
04-15-98 00:00	3.0	1550	1882

START BOILER

Koppers Industries
Tie Plant Road
Daily Summary

Page 57

FROM 01/01/98 00:00 TO 06/30/98 23:59

Date / Time	Opacity %	Cell 1 F	Cell 2 F
04-16-98 01:00	2.9	1651	1847
04-16-98 02:00	3.1	1748	1785
04-16-98 03:00	4.5	1504	1657
04-16-98 04:00	7.4	1720	1735
04-16-98 05:00	3.3	1598	1729
04-16-98 06:00	2.8	1584	1843
04-16-98 07:00	3.1	1597	1867
04-16-98 08:00	3.4	1624	1845
04-16-98 09:00	3.0	1664	1904
04-16-98 10:00	3.0	1703	1816
04-16-98 11:00	3.5	1670	1889
04-16-98 12:00	3.3	1531	1711
04-16-98 13:00	3.7	1731	1864
04-16-98 14:00	3.5	1689	1935
04-16-98 15:00	3.1	1726	1898
04-16-98 16:00	3.1	1642	1866
04-16-98 17:00	7.5	1396	1149
04-16-98 18:00	6.5	1191	774
04-16-98 19:00	4.9	1338	871
04-16-98 20:00	3.4	1611	1522
04-16-98 21:00	3.0	1771	1764
04-16-98 22:00	2.8	1644	1709
04-16-98 23:00	2.6	1601	1936
04-17-98 00:00	3.5	1548	1748
04-17-98 01:00	3.4	1803	1673
04-17-98 02:00	4.0	1578	915
04-17-98 03:00	6.8	1194	1305
04-17-98 04:00	3.8	1449	1704
04-17-98 05:00	5.6	1509	1844
04-17-98 06:00	3.6	1557	1799
04-17-98 07:00	3.5	1493	1857
04-17-98 08:00	3.6	1619	1770
04-17-98 09:00	3.8	1685	1722
04-17-98 10:00	3.8	1633	1748
04-17-98 11:00	3.8	1595	1846
04-17-98 12:00	5.3	1294	1657
04-17-98 13:00	5.3	1424	1431
04-17-98 14:00	3.5	1566	1756
04-17-98 15:00	3.6	1627	1797
04-17-98 16:00	3.8	1550	1882
04-17-98 17:00	3.5	1531	1835
04-17-98 18:00	4.8	1344	1769
04-17-98 19:00	5.2	1379	1484
04-17-98 20:00	4.1	1305	1375
04-17-98 21:00	3.6	1548	1752



Koppers Industries
Tie Plant Road
Daily Summary

Page 58

FROM 01/01/98 00:00 TO 06/30/98 23:59

Date/ Time	Opacity %	Cell 1 F	Cell 2 F
4-17-98 22:00	3.6	1527	1858
4-17-98 23:00	2.7	1568	1933
4-18-98 00:00	4.1	1603	1824
4-18-98 01:00	5.3	1362	1519
4-18-98 02:00	3.1	1501	1865
4-18-98 03:00	4.9	1138	1555
4-18-98 04:00	10.5	1108	1340
4-18-98 05:00	5.2	1307	1456
4-18-98 06:00	4.3	1299	1549
4-18-98 07:00	4.3	1365	1445
4-18-98 08:00	3.5	1553	1669
4-18-98 09:00	3.1	1589	1598
4-18-98 10:00	3.7	1413	1524
4-18-98 11:00	5.9	1181	1354
4-18-98 12:00	2.6	1445	1837
4-18-98 13:00	2.8	1585	1846
4-18-98 14:00	2.7	1607	1934
4-18-98 15:00	2.1	1657	1906
4-18-98 16:00	2.5	1521	1824
4-18-98 17:00	3.2	1481	1943
4-18-98 18:00	2.8	1501	1839
4-18-98 19:00	3.7	1423	994
4-18-98 20:00	5.5	1268	728
4-18-98 21:00	4.4	1641	1549
4-18-98 22:00	2.7	1623	1789
4-18-98 23:00	2.5	1650	1823
4-19-98 00:00	3.1	1563	1741
4-19-98 01:00	3.0	1687	1580
4-19-98 02:00	2.7	1714	1787
4-19-98 03:00	3.5	1488	1610
4-19-98 04:00	4.4	1236	1710
4-19-98 05:00	5.3	1410	1119
4-19-98 06:00	3.1	1357	1572
4-19-98 07:00	3.4	1404	1821
4-19-98 08:00	5.2	1505	1723
4-19-98 09:00	3.5	1361	1742
4-19-98 10:00	3.6	1509	1850
4-19-98 11:00	4.2	1552	1605
4-19-98 12:00	3.2	1542	1778
4-19-98 13:00	3.6	1637	1718
4-19-98 14:00	3.5	1695	1706
4-19-98 15:00	2.9	1711	1690
4-19-98 16:00	3.1	1652	1645
4-19-98 17:00	3.5	1561	1681
4-19-98 18:00	2.7	1541	1753

NO TREATED WOOD BURNED

Koppers Industries
Tie Plant Road
Daily Summary

Page 59

FROM 01/01/98 00:00 TO 06/30/98 23:59

Date/ Time	Opacity	Cell 1	Cell 2
	%	F	F
04-19-98 19:00	2.9	1589	1616
04-19-98 20:00	3.6	1532	1591
04-19-98 21:00	3.5	1600	1643
04-19-98 22:00	2.4	1534	1841
04-19-98 23:00	3.9	1490	1545
04-20-98 00:00	4.1	1492	1665
04-20-98 01:00	3.1	1814	1648
04-20-98 02:00	2.0	1831	1715
04-20-98 03:00	5.1	1059	1254
04-20-98 04:00	8.2	792	1028
04-20-98 05:00	4.7	349	395
04-20-98 06:00	2.8	273	309
04-20-98 07:00	1.9	296	326
04-20-98 08:00	7.3	618	716
04-20-98 09:00	5.2	1106	1269
04-20-98 10:00	6.1	969	1121
04-20-98 11:00	6.4	951	992
04-20-98 12:00	4.4	1036	1115
04-20-98 13:00	4.0	1080	1067
04-20-98 14:00	3.4	1405	1342
04-20-98 15:00	3.4	1203	1314
04-20-98 16:00	3.1	1008	1322
04-20-98 17:00	2.4	1121	1377
04-20-98 18:00	4.1	1213	1358
04-20-98 19:00	4.9	1173	1223
04-20-98 20:00	4.7	1099	1163
04-20-98 21:00	3.8	1200	1158
04-20-98 22:00	3.3	1247	1256
04-20-98 23:00	4.0	1248	1313
04-21-98 00:00	4.4	1126	1324
04-21-98 01:00	5.6	1073	1072
04-21-98 02:00	5.0	1170	1157
04-21-98 03:00	5.8	959	1106
04-21-98 04:00	11.2	917	1044
04-21-98 05:00	5.0	775	1129
04-21-98 06:00	3.6	1244	1654
04-21-98 07:00	2.9	1518	1946
04-21-98 08:00	3.7	1659	1944
04-21-98 09:00	3.8	1556	1479
04-21-98 10:00	2.8	1586	1763
04-21-98 11:00	3.5	1698	1653
04-21-98 12:00	3.0	1767	1509
04-21-98 13:00	4.0	1379	1608
04-21-98 14:00	3.1	1647	1860
04-21-98 15:00	3.4	1838	1812

NO TREATED WOOD BURNED

Koppers Industries
Tie Plant Road
Daily Summary

Page 60

FROM 01/01/98 00:00 TO 06/30/98 23:59

Date/Time	Opacity %	Cell 1 F	Cell 2 F
04-21-98 16:00	2.8	1717	1891
04-21-98 17:00	2.4	1795	1842
04-21-98 18:00	3.4	1703	1726
04-21-98 19:00	3.4	1875	1840
04-21-98 20:00	3.0	1835	1857
04-21-98 21:00	2.8	1708	1964
04-21-98 22:00	2.5	1803	1796
04-21-98 23:00	2.7	1659	1904
04-22-98 00:00	3.6	1633	1924
04-22-98 01:00	3.0	1903	1860
04-22-98 02:00	2.8	1800	1910
04-22-98 03:00	3.3	1483	1717
04-22-98 04:00	3.6	1831	1662
04-22-98 05:00	2.7	1577	1882
04-22-98 06:00	3.3	1581	1991
04-22-98 07:00	2.6	1788	1835
04-22-98 08:00	3.4	1735	1882
04-22-98 09:00	3.5	1749	1977
04-22-98 10:00	3.4	1910	1950
04-22-98 11:00	3.4	1917	2000
04-22-98 12:00	3.8	1493	-9999
04-22-98 13:00	5.3	1699	-9999
04-22-98 14:00	3.3	1665	-9999
04-22-98 15:00	2.9	1636	1919
04-22-98 16:00	3.0	1697	774
04-22-98 17:00	3.4	1611	2475
04-22-98 18:00	4.3	1574	322
04-22-98 19:00	3.6	1472	-9999
04-22-98 20:00	2.4	1659	-9999
04-22-98 21:00	3.0	1775	-9999
04-22-98 22:00	2.8	1681	-9999
04-22-98 23:00	2.3	1623	-9999
04-23-98 00:00	3.2	1717	-9999
04-23-98 01:00	2.6	1597	-9999
04-23-98 02:00	3.0	1636	-9999
04-23-98 03:00	3.1	1391	-9999
04-23-98 04:00	8.1	1620	-9999
04-23-98 05:00	2.7	1619	-9999
04-23-98 06:00	3.5	1807	-9999
04-23-98 07:00	2.3	1736	-9999
04-23-98 08:00	3.1	1723	-9999
04-23-98 09:00	3.4	1557	-9999
04-23-98 10:00	3.0	1584	-9999
04-23-98 11:00	3.3	1581	-9999
04-23-98 12:00	5.2	1075	-9999

PROBE FAILURE

PROBE FAILURE

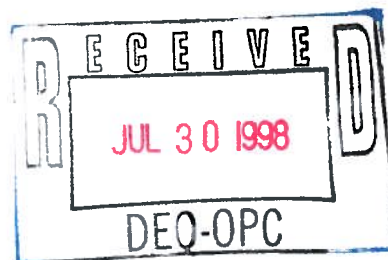
Koppers Industries
Tie Plant Road
Daily Summary

Page 61

FROM 01/01/98 00:00 TO 06/30/98 23:59

Date/ Time	Opacity %	Cell 1 F	Cell 2 F
04-23-98 13:00	5.2	1391	-9999
04-23-98 14:00	3.2	1148	-9999
04-23-98 15:00	2.6	425	-9999
04-23-98 16:00	8.7	1046	-9999
04-23-98 17:00	2.7	1461	-9999
04-23-98 18:00	3.1	1489	-9999
04-23-98 19:00	3.4	1464	-9999
04-23-98 20:00	3.0	1634	-9999
04-23-98 21:00	2.6	1891	-9999
04-23-98 22:00	3.0	1570	-9999
04-23-98 23:00	2.9	1512	-9999
04-24-98 00:00	3.0	1755	-9999
04-24-98 01:00	2.6	1821	-9999
04-24-98 02:00	3.4	1830	-9999
04-24-98 03:00	4.8	1307	-9999
04-24-98 04:00	4.8	1479	-9999
04-24-98 05:00	2.6	1424	-9999
04-24-98 06:00	3.3	1396	-9999
04-24-98 07:00	3.4	1512	-9999
04-24-98 08:00	3.7	1506	-9999
04-24-98 09:00	3.2	1858	-9999
04-24-98 10:00	3.8	1698	-9999
04-24-98 11:00	4.4	1622	-9999
04-24-98 12:00	4.8	1360	-9999
04-24-98 13:00	3.3	1525	-9999
04-24-98 14:00	3.3	1554	-9999
04-24-98 15:00	3.5	1648	-9999
04-24-98 16:00	3.2	1581	-9999
04-24-98 17:00	3.1	1724	-9999
04-24-98 18:00	3.2	1601	-9999
04-24-98 19:00	4.0	1554	-9999
04-24-98 20:00	4.9	1432	-9999
04-24-98 21:00	2.8	1598	-9999
04-24-98 22:00	2.6	1578	-9999
04-24-98 23:00	2.5	1596	-9999
04-25-98 00:00	5.3	1553	-9999
04-25-98 01:00	2.6	1698	-9999
04-25-98 02:00	2.3	1614	-9999
04-25-98 03:00	4.4	1514	-9999
04-25-98 04:00	10.9	1527	-9999
04-25-98 05:00	2.3	1604	-9999
04-25-98 06:00	2.2	1726	-9999
04-25-98 07:00	2.8	1712	-9999
04-25-98 08:00	2.5	1594	-9999
04-25-98 09:00	2.7	1690	-9999

PROBE FAILURE



Koppers Industries
Tie Plant Road
Daily Summary

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FROM 01/01/98 00:00 TO 06/30/98 23:59

Date/ Time	Opacity %	Cell 1 F	Cell 2 F
04-25-98 10:00	3.6	1444	-9999
04-25-98 11:00	4.3	1528	-9999
04-25-98 12:00	3.1	1652	-9999
04-25-98 13:00	3.8	1389	-9999
04-25-98 14:00	5.9	1250	-9999
04-25-98 15:00	3.4	1292	-9999
04-25-98 16:00	3.7	1291	-9999
04-25-98 17:00	9.8	1006	-9999
04-25-98 18:00	7.7	1044	-9999
04-25-98 19:00	3.8	1179	-9999
04-25-98 20:00	3.0	1024	-9999
04-25-98 21:00	6.4	1067	-9999
04-25-98 22:00	5.6	1105	-9999
04-25-98 23:00	5.9	1151	-9999
04-26-98 00:00	4.4	1146	-9999
04-26-98 01:00	4.1	1165	-9999
04-26-98 02:00	4.9	1070	-9999
04-26-98 03:00	4.9	1077	-9999
04-26-98 04:00	5.1	1132	-9999
04-26-98 05:00	6.9	977	-9999
04-26-98 06:00	6.8	992	-9999
04-26-98 07:00	6.6	948	-9999
04-26-98 08:00	4.3	1004	-9999
04-26-98 09:00	3.0	1548	-9999
04-26-98 10:00	3.6	1404	-9999
04-26-98 11:00	4.4	1446	-9999
04-26-98 12:00	3.1	1579	-9999
04-26-98 13:00	3.2	1477	-9999
04-26-98 14:00	3.1	1631	-9999
04-26-98 15:00	2.9	1627	-9999
04-26-98 16:00	2.9	1630	-9999
04-26-98 17:00	2.9	1545	-9999
04-26-98 18:00	2.4	1467	-9999
04-26-98 19:00	2.9	1515	-9999
04-26-98 20:00	3.6	1639	-9999
04-26-98 21:00	2.6	1508	-9999
04-26-98 22:00	2.1	1590	-9999
04-26-98 23:00	2.4	1581	-9999
04-27-98 00:00	3.1	1502	-9999
04-27-98 01:00	3.3	1451	-9999
04-27-98 02:00	3.1	1339	-9999
04-27-98 03:00	3.7	1501	-9999
04-27-98 04:00	9.4	1713	-9999
04-27-98 05:00	3.0	1567	-9999
04-27-98 06:00	2.7	1489	-9999

PROBE FAILURE

Koppers Industries
Tie Plant Road
Daily Summary

Page 63

FROM 01/01/98 00:00 TO 06/30/98 23:59

Date/ Time	Opacity %	Cell 1 F	Cell 2 F
04-27-98 07:00	2.1	1563	-9999
04-27-98 08:00	2.3	1548	-9999
04-27-98 09:00	3.3	1634	-9999
04-27-98 10:00	3.1	1759	-9999
04-27-98 11:00	2.4	1571	-9999
04-27-98 12:00	3.6	1361	-9999
04-27-98 13:00	4.5	1459	-9999
04-27-98 14:00	2.8	1655	-9999
04-27-98 15:00	2.9	1529	-9999
04-27-98 16:00	2.7	1615	-9999
04-27-98 17:00	2.1	1608	-9999
04-27-98 18:00	3.4	1440	-9999
04-27-98 19:00	2.8	1315	-9999
04-27-98 20:00	2.6	1636	-9999
04-27-98 21:00	3.0	1623	-9999
04-27-98 22:00	2.5	1530	-9999
04-27-98 23:00	7.9	1648	-9999
04-28-98 00:00	4.7	1616	-9999
04-28-98 01:00	3.0	1631	-9999
04-28-98 02:00	4.5	2156	-9999
04-28-98 03:00	5.4	1843	-9999
4-28-98 04:00	4.8	2827	-9999
4-28-98 05:00	4.2	-9999	-9999
4-28-98 06:00	6.0	-9999	-9999
4-28-98 07:00	3.5	2392	-9999
4-28-98 08:00	2.9	2299	-9999
4-28-98 09:00	3.3	2512	-9999
4-28-98 10:00	3.6	2503	-9999
4-28-98 11:00	3.2	2287	-9999
4-28-98 12:00	3.7	2354	-9999
4-28-98 13:00	7.6	2814	-9999
4-28-98 14:00	6.3	-9999	-9999
4-28-98 15:00	4.2	-9999	-9999
4-28-98 16:00	2.9	-9999	-9999
4-28-98 17:00	2.9	-9999	-9999
4-28-98 18:00	4.4	-9999	-9999
4-28-98 19:00	4.2	1893	-9999
4-28-98 20:00	5.7	1784	-9999
4-28-98 21:00	3.5	2325	-9999
4-28-98 22:00	3.2	2105	-9999
4-28-98 23:00	3.2	1649	-9999
4-29-98 00:00	2.8	2470	-9999
4-29-98 01:00	4.5	2269	-9999
4-29-98 02:00	7.0	-9999	-9999
4-29-98 03:00	7.6	-9999	-9999

PROBE FAILURE



Koppers Industries
Tie Plant Road
Daily Summary

Page 64

FROM 01/01/98 00:00 TO 06/30/98 23:59

Date/ Time	Opacity %	Cell 1	Cell 2
		F	F
14-29-98 04:00	3.5	-9999	-9999
14-29-98 05:00	9.1	-9999	-9999
14-29-98 06:00	4.8	1709	-9999
14-29-98 07:00	5.2	1887	-9999
14-29-98 08:00	5.7	1751	-9999
14-29-98 09:00	7.7	-9999	-9999
14-29-98 10:00	3.5	1679	-9999
14-29-98 11:00	6.8	-9999	-9999
14-29-98 12:00	6.8	1462	-9999
14-29-98 13:00	3.2	725	-9999
14-29-98 14:00	2.9	348	-9999
14-29-98 15:00	2.9	641	-9999
14-29-98 16:00	3.0	1692	-9999
14-29-98 17:00	4.1	2150	-9999
14-29-98 18:00	5.2	1764	-9999
14-29-98 19:00	2.8	244	-9999
14-29-98 20:00	3.2	1853	-9999
14-29-98 21:00	3.7	1252	-9999
14-29-98 22:00	3.1	-9999	-9999
14-29-98 23:00	3.4	-9999	-9999
14-30-98 00:00	3.8	-9999	-9999
14-30-98 01:00	4.6	-9999	-9999
14-30-98 02:00	7.4	1738	-9999
14-30-98 03:00	8.1	1719	-9999
14-30-98 04:00	16.4	878	-9999
14-30-98 05:00	4.0	1715	-9999
14-30-98 06:00	3.9	1457	-9999
14-30-98 07:00	3.3	1511	-9999
14-30-98 08:00	4.1	827	-9999
14-30-98 09:00	4.4	1412	-9999
14-30-98 10:00	4.4	-9999	-9999
14-30-98 11:00	4.4	1336	-9999
14-30-98 12:00	7.7	1458	-9999
14-30-98 13:00	5.9	-9999	-9999
14-30-98 14:00	7.6	-9999	-9999
14-30-98 15:00	6.5	-9999	-9999
14-30-98 16:00	3.9	1443	-9999
14-30-98 17:00	8.8	2050	-9999
14-30-98 18:00	3.5	-9999	-9999
14-30-98 19:00	3.5	1330	-9999
14-30-98 20:00	3.4	1725	-9999
14-30-98 21:00	3.0	2398	-9999
14-30-98 22:00	2.9	1624	-9999
14-30-98 23:00	2.9	2857	-9999
05-01-98 00:00	3.4	2726	-9999

PROBE FAILURE

Koppers Industries
Tie Plant Road
Daily Summary

Page 65

FROM 01/01/98 00:00 TO 06/30/98 23:59

Date/ Time	Opacity %	Cell 1 F	Cell 2 F
05-01-98 01:00	2.7	1712	-9999
05-01-98 02:00	3.8	2623	-9999
05-01-98 03:00	6.6	2037	-9999
05-01-98 04:00	7.7	1625	-9999
05-01-98 05:00	2.8	1140	-9999
05-01-98 06:00	2.7	975	-9999
05-01-98 07:00	3.8	1167	-9999
05-01-98 08:00	3.1	1368	-9999
05-01-98 09:00	2.7	1809	-9999
05-01-98 10:00	3.2	1804	-9999
05-01-98 11:00	5.9	1653	-9999
05-01-98 12:00	3.3	1235	-9999
05-01-98 13:00	3.0	1510	-9999
05-01-98 14:00	3.6	1646	-9999
05-01-98 15:00	2.4	1488	-9999
05-01-98 16:00	2.8	1670	-9999
05-01-98 17:00	3.1	2055	-9999
05-01-98 18:00	2.2	1735	-9999
05-01-98 19:00	2.6	1628	-9999
05-01-98 20:00	2.9	2137	-9999
05-01-98 21:00	8.7	1890	-9999
05-01-98 22:00	2.8	1387	-9999
05-01-98 23:00	3.3	1489	-9999
05-02-98 00:00	4.0	1479	-9999
05-02-98 01:00	2.5	2294	-9999
05-02-98 02:00	2.9	2368	-9999
05-02-98 03:00	3.9	1700	-9999
05-02-98 04:00	5.0	1993	-9999
05-02-98 05:00	14.2	-9999	-9999
05-02-98 06:00	3.4	-9999	-9999
05-02-98 07:00	3.1	-9999	-9999
05-02-98 08:00	2.6	-9999	-9999
05-02-98 09:00	2.5	-9999	-9999
05-02-98 10:00	2.2	-9999	-9999
05-02-98 11:00	2.0	-9999	-9999
05-02-98 12:00	2.0	-9999	-9999
05-02-98 13:00	1.9	-9999	-9999
05-02-98 14:00	1.9	-9999	-9999
05-02-98 15:00	1.9	-9999	-9999
05-02-98 16:00	1.9	-9999	-9999
05-02-98 17:00	1.9	-9999	-9999
05-02-98 18:00	1.8	-9999	-9999
05-02-98 19:00	1.8	-9999	-9999
05-02-98 20:00	1.9	-9999	-9999
05-02-98 21:00	1.9	-9999	-9999

PROBE FAILURE

BOILER OFF

Koppers Industries
Tie Plant Road
Daily Summary

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FROM 01/01/98 00:00 TO 06/30/98 23:59

Date/ Time	Opacity %	Cell 1 F	Cell 2 F
5-02-98 22:00	1.9	-9999	-9999
5-02-98 23:00	2.0	-9999	-9999
5-03-98 00:00	2.0	-9999	-9999
5-03-98 01:00	2.0	-9999	-9999
5-03-98 02:00	2.0	-9999	-9999
5-03-98 03:00	2.0	-9999	-9999
5-03-98 04:00	2.0	-9999	-9999
5-03-98 05:00	2.0	-9999	-9999
5-03-98 06:00	2.0	-9999	-9999
5-03-98 07:00	2.0	-9999	-9999
5-03-98 08:00	2.0	-9999	-9999
5-03-98 09:00	2.2	-9999	-9999
5-03-98 10:00	2.1	-9999	-9999
5-03-98 11:00	2.1	-9999	-9999
5-03-98 12:00	2.0	-9999	-9999
5-03-98 13:00	1.9	-9999	-9999
5-03-98 14:00	1.9	-9999	-9999
5-03-98 15:00	1.9	-9999	-9999
5-03-98 16:00	1.9	-9999	-9999
5-03-98 17:00	1.9	-9999	-9999
5-03-98 18:00	1.9	-9999	-9999
5-03-98 19:00	1.9	-9999	-9999
5-03-98 20:00	2.0	-9999	-9999
5-03-98 21:00	2.0	-9999	-9999
5-03-98 22:00	2.0	-9999	-9999
5-03-98 23:00	2.0	-9999	-9999
5-04-98 00:00	2.6	-9999	-9999
5-04-98 01:00	2.0	-9999	-9999
5-04-98 02:00	2.0	-9999	-9999
5-04-98 03:00	2.0	-9999	-9999
5-04-98 04:00	2.3	-9999	-9999
5-04-98 05:00	2.8	-9999	-9999
5-04-98 06:00	9.3	-9999	-9999
5-04-98 07:00	11.4	-9999	-9999
5-04-98 08:00	6.0	-9999	-9999
5-04-98 09:00	3.1	-9999	-9999
5-04-98 10:00	2.9	-9999	-9999
5-04-98 11:00	2.6	-9999	-9999
5-04-98 12:00	2.9	-9999	-9999
5-04-98 13:00	2.9	-9999	-9999
5-04-98 14:00	2.8	185	-9999
5-04-98 15:00	2.4	3026	-9999
5-04-98 16:00	2.5	1792	-9999
5-04-98 17:00	2.5	1386	-9999
5-04-98 18:00	2.5	1569	-9999

BOILER OFF

NO TREATED WOOD BURNED
5-4

Koppers Industries
Tie Plant Road
Daily Summary

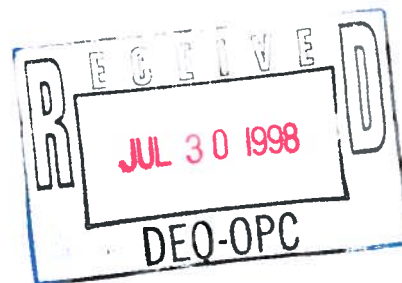
Page 67

FROM 01/01/98 00:00 TO 06/30/98 23:59

Date/ Time	Opacity	Cell 1	Cell 2
	%	F	F
05-04-98 19:00	2.5	1325	-9999
05-04-98 20:00	3.0	2049	-9999
05-04-98 21:00	2.6	2468	-9999
05-04-98 22:00	1.8	2117	-9999
05-04-98 23:00	1.6	1210	-9999
05-05-98 00:00	2.7	1344	-9999
05-05-98 01:00	2.0	2501	-9999
05-05-98 02:00	1.8	2473	-9999
05-05-98 03:00	11.0	2147	-9999
05-05-98 04:00	5.4	1359	-9999
05-05-98 05:00	2.1	-9999	-9999
05-05-98 06:00	2.5	2352	-9999
05-05-98 07:00	2.7	2840	-9999
05-05-98 08:00	2.6	-9999	-9999
05-05-98 09:00	7.0	2390	-9999
05-05-98 10:00	2.3	-9999	-9999
05-05-98 11:00	2.0	-9999	-9999
05-05-98 12:00	1.7	-9999	-9999
05-05-98 13:00	1.8	1499	-9999
05-05-98 14:00	2.6	1650	-9999
05-05-98 15:00	2.1	1201	-9999
05-05-98 16:00	3.5	1708	-9999
05-05-98 17:00	3.0	1733	-9999
05-05-98 18:00	10.4	1527	-9999
05-05-98 19:00	2.5	951	-9999
05-05-98 20:00	2.0	1618	-9999
05-05-98 21:00	1.8	1573	-9999
05-05-98 22:00	2.1	1811	-9999
05-05-98 23:00	2.3	1786	-9999
05-06-98 00:00	2.9	1370	-9999
05-06-98 01:00	2.2	1144	-9999
05-06-98 02:00	2.7	783	-9999
05-06-98 03:00	3.1	1405	-9999
05-06-98 04:00	5.1	1408	-9999
05-06-98 05:00	4.2	2025	-9999
05-06-98 06:00	7.7	1799	-9999
05-06-98 07:00	6.9	-9999	-9999
05-06-98 08:00	7.7	-9999	-9999
05-06-98 09:00	7.3	-9999	-9999
05-06-98 10:00	9.3	-9999	-9999
05-06-98 11:00	5.6	-9999	-9999
05-06-98 12:00	4.2	1919	-9999
05-06-98 13:00	2.6	-9999	-9999
05-06-98 14:00	3.4	-9999	-9999
05-06-98 15:00	2.8	-9999	-9999

NO TREATED WOOD BURNED
5-4

BAD PROBE



Koppers Industries
Tie Plant Road
Daily Summary

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FROM 01/01/98 00:00 TO 06/30/98 23:59

Date/Time	Opacity	Cell 1	Cell 2
	%	F	F
05-06-98 16:00	2.6	-9999	-9999
05-06-98 17:00	3.2	-9999	-9999
05-06-98 18:00	2.9	3019	-9999
05-06-98 19:00	2.8	-9999	-9999
05-06-98 20:00	3.1	-9999	-9999
05-06-98 21:00	2.6	-9999	-9999
05-06-98 22:00	3.0	-9999	-9999
05-06-98 23:00	3.7	-9999	-9999
05-07-98 00:00	2.9	-9999	-9999
05-07-98 01:00	4.6	-9999	-9999
05-07-98 02:00	3.8	-9999	-9999
05-07-98 03:00	3.6	-9999	-9999
05-07-98 04:00	3.5	-9999	-9999
05-07-98 05:00	3.5	933	-9999
05-07-98 06:00	3.3	1440	-9999
05-07-98 07:00	3.4	1585	-9999
05-07-98 08:00	3.5	1377	-9999
05-07-98 09:00	3.5	1727	-9999
05-07-98 10:00	3.5	1176	-9999
05-07-98 11:00	3.4	810	-9999
05-07-98 12:00	3.8	2519	-9999
05-07-98 13:00	3.7	640	-9999
05-07-98 14:00	2.9	1248	-9999
05-07-98 15:00	2.6	1046	-9999
05-07-98 16:00	2.6	1683	-9999
05-07-98 17:00	2.4	1266	-9999
05-07-98 18:00	2.0	672	-9999
05-07-98 19:00	3.1	523	-9999
05-07-98 20:00	3.0	729	-9999
05-07-98 21:00	2.2	670	-9999
05-07-98 22:00	4.9	669	-9999
05-07-98 23:00	2.2	659	-9999
05-08-98 00:00	1.9	393	-9999
05-08-98 01:00	1.9	465	-9999
05-08-98 02:00	2.1	677	-9999
05-08-98 03:00	2.2	1011	-9999
05-08-98 04:00	5.3	1985	-9999
05-08-98 05:00	2.4	770	-9999
05-08-98 06:00	1.9	450	-9999
05-08-98 07:00	3.2	844	-9999
05-08-98 08:00	2.3	1213	-9999
05-08-98 09:00	2.3	581	-9999
05-08-98 10:00	2.4	619	-9999
05-08-98 11:00	2.5	513	-9999
05-08-98 12:00	3.0	1427	-9999

PROBE FAILURE

Koppers Industries
Tie Plant Road
Daily Summary

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FROM 01/01/98 00:00 TO 06/30/98 23:59

Date/ Time	Opacity %	Cell 1 F	Cell 2 F
5-08-98 13:00	2.6	1219	-9999
5-08-98 14:00	2.1	1438	-9999
5-08-98 15:00	2.5	1494	-9999
5-08-98 16:00	2.1	2047	-9999
5-08-98 17:00	1.9	2301	-9999
5-08-98 18:00	2.4	2372	-9999
5-08-98 19:00	2.3	774	-9999
5-08-98 20:00	2.9	1424	-9999
5-08-98 21:00	2.8	1474	-9999
5-08-98 22:00	2.3	689	-9999
5-08-98 23:00	2.5	606	-9999
5-09-98 00:00	3.3	662	-9999
5-09-98 01:00	2.2	719	-9999
5-09-98 02:00	2.7	768	-9999
5-09-98 03:00	3.0	2474	-9999
5-09-98 04:00	3.7	2930	-9999
5-09-98 05:00	7.7	1184	1539
5-09-98 06:00	5.6	1006	2949
5-09-98 07:00	3.1	850	-9999
5-09-98 08:00	2.7	1457	-9999
5-09-98 09:00	2.5	638	-9999
5-09-98 10:00	3.1	1245	-9999
5-09-98 11:00	3.1	1214	-9999
5-09-98 12:00	2.6	1486	-9999
5-09-98 13:00	5.1	732	-9999
5-09-98 14:00	4.0	9999	-9999
5-09-98 15:00	2.8	-9999	-9999
5-09-98 16:00	2.5	-9999	-9999
5-09-98 17:00	3.5	2372	-9999
5-09-98 18:00	2.2	2605	-9999
5-09-98 19:00	3.9	1778	-9999
5-09-98 20:00	2.6	1922	-9999
5-09-98 21:00	2.5	1205	-9999
5-09-98 22:00	2.4	2029	-9999
5-09-98 23:00	2.8	1568	-9999
5-10-98 00:00	3.0	1573	-9999
5-10-98 01:00	2.7	2382	-9999
5-10-98 02:00	3.0	2751	-9999
5-10-98 03:00	2.9	2051	-9999
5-10-98 04:00	3.9	1375	-9999
5-10-98 05:00	5.6	-9999	-9999
5-10-98 06:00	3.1	-9999	-9999
5-10-98 07:00	2.2	-9999	-9999
5-10-98 08:00	2.2	-9999	-9999
5-10-98 09:00	2.2	-9999	-9999

BOILER OFF



Koppers Industries
Tie Plant Road
Daily Summary

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FROM 01/01/98 00:00 TO 06/30/98 23:59

Date/ Time	Opacity %	Cell 1 F	Cell 2 F
5-10-98 10:00	2.1	-9999	-9999
5-10-98 11:00	2.1	-9999	-9999
5-10-98 12:00	2.1	-9999	-9999
5-10-98 13:00	2.1	-9999	-9999
5-10-98 14:00	2.1	-9999	-9999
5-10-98 15:00	2.0	-9999	-9999
5-10-98 16:00	2.0	-9999	-9999
5-10-98 17:00	2.0	-9999	-9999
5-10-98 18:00	2.0	-9999	-9999
5-10-98 19:00	2.0	-9999	-9999
5-10-98 20:00	2.1	-9999	-9999
5-10-98 21:00	2.1	-9999	-9999
5-10-98 22:00	2.1	-9999	-9999
5-10-98 23:00	2.1	-9999	-9999
5-11-98 00:00	2.1	-9999	-9999
5-11-98 01:00	2.1	-9999	-9999
5-11-98 02:00	2.1	-9999	-9999
5-11-98 03:00	2.1	-9999	-9999
5-11-98 04:00	3.4	-9999	-9999
5-11-98 05:00	17.6	-9999	-9999
5-11-98 06:00	10.6	-9999	-9999
5-11-98 07:00	4.3	-9999	-9999
5-11-98 08:00	4.4	-9999	-9999
5-11-98 09:00	3.4	-9999	-9999
5-11-98 10:00	3.7	-9999	-9999
5-11-98 11:00	3.0	-9999	-9999
5-11-98 12:00	2.9	807	-9999
5-11-98 13:00	2.2	545	-9999
5-11-98 14:00	2.7	85	-9999
5-11-98 15:00	2.2	0	-9999
5-11-98 16:00	2.1	1596	-9999
5-11-98 17:00	4.2	1930	-9999
5-11-98 18:00	2.7	1438	-9999
5-11-98 19:00	2.4	1486	-9999
5-11-98 20:00	2.8	1530	-9999
5-11-98 21:00	4.0	1227	-9999
5-11-98 22:00	3.8	1069	-9999
5-11-98 23:00	2.1	622	-9999
5-12-98 00:00	3.1	687	-9999
5-12-98 01:00	2.5	-9999	-9999
5-12-98 02:00	3.4	1569	-9999
5-12-98 03:00	3.2	752	-9999
5-12-98 04:00	8.9	1152	-9999
5-12-98 05:00	2.5	941	-9999
5-12-98 06:00	1.9	996	-9999

BOILER DOWN

PROBE FAILURE

Koppers Industries
Tie Plant Road
Daily Summary

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FROM 01/01/98 00:00 TO 06/30/98 23:59

Date/ Time	Opacity %	Cell 1 F	Cell 2 F
05-12-98 07:00	2.1	2671	-9999
05-12-98 08:00	2.2	2304	-9999
05-12-98 09:00	2.4	2139	-9999
05-12-98 10:00	2.7	1693	-9999
05-12-98 11:00	2.8	1712	-9999
05-12-98 12:00	3.3	2036	-9999
05-12-98 13:00	2.9	2072	-9999
05-12-98 14:00	2.5	2150	-9999
05-12-98 15:00	2.1	2387	-9999
05-12-98 16:00	2.3	2321	-9999
05-12-98 17:00	2.3	2442	-9999
05-12-98 18:00	2.3	2273	-9999
05-12-98 19:00	2.7	2222	-9999
05-12-98 20:00	2.7	2221	-9999
05-12-98 21:00	2.4	2047	-9999
05-12-98 22:00	2.0	1935	-9999
05-12-98 23:00	2.3	2076	-9999
05-13-98 00:00	2.4	2115	-9999
05-13-98 01:00	2.1	1956	-9999
05-13-98 02:00	2.7	2127	-9999
05-13-98 03:00	2.9	2726	-9999
05-13-98 04:00	4.8	2681	-9999
05-13-98 05:00	2.1	2393	-9999
05-13-98 06:00	7.0	2867	-9999
05-13-98 07:00	12.9	-9999	-9999
05-13-98 08:00	5.6	3151	-9999
05-13-98 09:00	6.1	3127	-9999
05-13-98 10:00	6.2	-9999	-9999
05-13-98 11:00	27.5	-9999	-9999
05-13-98 12:00	11.0	2545	-9999
05-13-98 13:00	2.8	2324	-9999
05-13-98 14:00	2.0	2132	-9999
05-13-98 15:00	2.2	2006	-9999
05-13-98 16:00	1.8	1856	-9999
05-13-98 17:00	1.9	2230	-9999
05-13-98 18:00	2.1	2162	-9999
05-13-98 19:00	2.8	2495	-9999
05-13-98 20:00	2.1	2904	-9999
05-13-98 21:00	3.2	2755	-9999
05-13-98 22:00	3.6	2493	-9999
05-13-98 23:00	3.9	2543	-9999
05-14-98 00:00	3.2	2310	-9999
05-14-98 01:00	2.0	1879	-9999
05-14-98 02:00	2.5	2043	-9999
05-14-98 03:00	2.6	2210	-9999

PROBE FAILURE

Koppers Industries
Tie Plant Road
Daily Summary

Page 72

FROM 01/01/98 00:00 TO 06/30/98 23:59

Date/ Time	Opacity %	Cell 1 F	Cell 2 F
5-14-98 04:00	4.7	2169	-9999
5-14-98 05:00	2.5	1832	-9999
5-14-98 06:00	2.8	1841	-9999
5-14-98 07:00	2.3	1647	-9999
5-14-98 08:00	2.5	2267	-9999
5-14-98 09:00	2.4	1857	-9999
5-14-98 10:00	2.4	1848	-9999
5-14-98 11:00	2.1	1954	-9999
5-14-98 12:00	2.8	2192	-9999
5-14-98 13:00	2.9	1904	-9999
5-14-98 14:00	2.0	1858	-9999
5-14-98 15:00	2.0	2201	-9999
5-14-98 16:00	2.0	1908	-9999
5-14-98 17:00	2.4	1965	-9999
5-14-98 18:00	2.5	2149	-9999
5-14-98 19:00	2.3	1819	-9999
5-14-98 20:00	2.1	1749	-9999
5-14-98 21:00	1.9	1880	-9999
5-14-98 22:00	2.1	1835	3040
5-14-98 23:00	2.1	1899	-9999
5-15-98 00:00	2.8	1826	-9999
5-15-98 01:00	3.9	1221	-9999
5-15-98 02:00	2.5	2088	-9999
5-15-98 03:00	2.1	2951	-9999
5-15-98 04:00	2.5	2862	-9999
5-15-98 05:00	2.6	2842	-9999
5-15-98 06:00	3.8	2386	-9999
5-15-98 07:00	2.7	1868	-9999
5-15-98 08:00	2.8	1750	-9999
5-15-98 09:00	1.8	1298	-9999
5-15-98 10:00	2.4	1730	-9999
5-15-98 11:00	4.3	1932	-9999
5-15-98 12:00	4.8	2076	2348
5-15-98 13:00	2.2	1658	-9999
5-15-98 14:00	2.2	1781	-9999
5-15-98 15:00	2.2	2226	-9999
5-15-98 16:00	2.0	2099	-9999
5-15-98 17:00	1.8	2001	-9999
5-15-98 18:00	1.9	1950	-9999
5-15-98 19:00	1.7	2028	-9999
5-15-98 20:00	2.0	1952	-9999
5-15-98 21:00	2.4	1740	-9999
5-15-98 22:00	2.6	1966	-9999
5-15-98 23:00	2.0	1920	-9999
5-16-98 00:00	2.2	1832	-9999

PROBE FAILURE

Koppers Industries
Tie Plant Road
Daily Summary

Page 73

FROM 01/01/98 00:00 TO 06/30/98 23:59

Date/ Time	Opacity %	Cell 1 F	Cell 2 F
5-16-98 01:00	2.2	1843	-9999
5-16-98 02:00	2.1	1814	-9999
5-16-98 03:00	2.8	1672	-9999
5-16-98 04:00	3.0	1633	-9999
5-16-98 05:00	2.2	1508	-9999
5-16-98 06:00	2.3	1676	-9999
5-16-98 07:00	2.5	1734	-9999
5-16-98 08:00	2.8	1838	-9999
5-16-98 09:00	2.0	1652	-9999
5-16-98 10:00	2.7	1573	-9999
5-16-98 11:00	3.0	1777	-9999
5-16-98 12:00	2.5	1797	-9999
5-16-98 13:00	1.7	1564	-9999
5-16-98 14:00	0.0*	1676	-9999
5-16-98 15:00	0.0	1564	-9999
5-16-98 16:00	0.0	1332	-9999
5-16-98 17:00	0.0	1617	-9999
5-16-98 18:00	0.0	1724	-9999
5-16-98 19:00	0.0	1728	-9999
5-16-98 20:00	0.0	1859	-9999
5-16-98 21:00	0.0	2857	-9999
5-16-98 22:00	0.0	2061	-9999
5-16-98 23:00	0.0	1926	-9999
5-17-98 00:00	0.0	1901	-9999
5-17-98 01:00	0.0	2596	-9999
5-17-98 02:00	0.0	1674	-9999
5-17-98 03:00	0.0	1449	-9999
5-17-98 04:00	0.0	1476	-9999
5-17-98 05:00	0.0	1797	-9999
5-17-98 06:00	0.0	-9999	-9999
5-17-98 07:00	0.0	-9999	-9999
5-17-98 08:00	0.0	-9999	-9999
5-17-98 09:00	0.0	-9999	-9999
5-17-98 10:00	0.0	-9999	-9999
5-17-98 11:00	0.0	-9999	-9999
5-17-98 12:00	0.0	-9999	-9999
5-17-98 13:00	0.0	-9999	-9999
5-17-98 14:00	0.0	-9999	-9999
5-17-98 15:00	0.0	-9999	-9999
5-17-98 16:00	0.0	-9999	-9999
5-17-98 17:00	0.0	-9999	-9999
5-17-98 18:00	0.0	-9999	-9999
5-17-98 19:00	0.0	-9999	-9999
5-17-98 20:00	0.0	-9999	-9999
5-17-98 21:00	0.0	-9999	-9999

PROBE FAILURE

* OPACITY METER DOWN
5-16 TO PRESENT

BOILER OFF

Koppers Industries
Tie Plant Road
Daily Summary

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FROM 01/01/98 00:00 TO 06/30/98 23:59

Date/Time	Opacity %	Cell 1 F	Cell 2 F
05-17-98 22:00	0.0	-9999	-9999
05-17-98 23:00	0.0	-9999	-9999
05-18-98 00:00	0.0	-9999	-9999
05-18-98 01:00	0.0	-9999	-9999
05-18-98 02:00	0.0	-9999	-9999
05-18-98 03:00	0.0	-9999	-9999
05-18-98 04:00	0.0	-9999	-9999
05-18-98 05:00	0.0	-9999	-9999
05-18-98 06:00	0.0	2915	-9999
05-18-98 07:00	0.0	1758	-9999
05-18-98 08:00	0.0	1754	-9999
05-18-98 09:00	0.0	1647	-9999
05-18-98 10:00	0.0	2292	-9999
05-18-98 11:00	0.0	2397	-9999
05-18-98 12:00	0.0	2485	-9999
05-18-98 13:00	0.0	-9999	-9999
05-18-98 14:00	0.0	-9999	-9999
05-18-98 15:00	0.0	-9999	-9999
05-18-98 16:00	0.0	2088	-9999
05-18-98 17:00	0.0	2317	-9999
05-18-98 18:00	0.0	1935	-9999
05-18-98 19:00	0.0	2513	-9999
05-18-98 20:00	0.0	1890	-9999
05-18-98 21:00	0.0	1739	-9999
05-18-98 22:00	0.0	1609	-9999
05-18-98 23:00	0.0	1670	-9999
05-19-98 00:00	0.0	-9999	-9999
05-19-98 01:00	0.0	-9999	-9999
05-19-98 02:00	0.0	1772	-9999
05-19-98 03:00	0.0	1760	-9999
05-19-98 04:00	0.0	1865	-9999
05-19-98 05:00	0.0	1873	-9999
05-19-98 06:00	0.0	1806	-9999
05-19-98 07:00	0.0	1888	-9999
05-19-98 08:00	0.0	1814	-9999
05-19-98 09:00	0.0	1903	-9999
05-19-98 10:00	0.0	1523	-9999
05-19-98 11:00	0.0	1586	-9999
05-19-98 12:00	0.0	1760	-9999
05-19-98 13:00	0.0	1930	-9999
05-19-98 14:00	0.0	2242	-9999
05-19-98 15:00	0.0	1562	-9999
05-19-98 16:00	0.0	1613	-9999
05-19-98 17:00	0.0	1624	-9999
05-19-98 18:00	0.0	1639	-9999

BOILER OFF

PROBE FAILURE

Koppers Industries
Tie Plant Road
Daily Summary

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FROM 01/01/98 00:00 TO 06/30/98 23:59

Date/ Time	Capacity	Cell 1	Cell 2
	%	F	F
05-19-98 19:00	0.0	1647	-9999
05-19-98 20:00	0.0	1633	-9999
05-19-98 21:00	0.0	1626	-9999
05-19-98 22:00	0.0	1530	-9999
05-19-98 23:00	0.0	1501	-9999
05-20-98 00:00	0.0	1608	-9999
05-20-98 01:00	0.0	1576	-9999
05-20-98 02:00	0.0	1655	-9999
05-20-98 03:00	0.0	1601	-9999
05-20-98 04:00	0.0	1575	-9999
05-20-98 05:00	0.0	1543	-9999
05-20-98 06:00	0.0	1622	-9999
05-20-98 07:00	0.0	1726	-9999
05-20-98 08:00	0.0	1622	-9999
05-20-98 09:00	0.0	1519	-9999
05-20-98 10:00	0.0	1530	-9999
05-20-98 11:00	0.0	1622	-9999
05-20-98 12:00	0.0	1731	-9999
05-20-98 13:00	0.0	1702	-9999
05-20-98 14:00	0.0	1774	-9999
05-20-98 15:00	0.0	1904	-9999
05-20-98 16:00	0.0	1933	-9999
05-20-98 17:00	0.0	1851	-9999
05-20-98 18:00	0.0	2125	-9999
05-20-98 19:00	0.0	2217	-9999
05-20-98 20:00	0.0	1919	-9999
05-20-98 21:00	0.0	1838	-9999
05-20-98 22:00	0.0	2724	-9999
05-20-98 23:00	0.0	2065	-9999
05-21-98 00:00	0.0	2189	-9999
05-21-98 01:00	0.0	2004	-9999
05-21-98 02:00	0.0	1977	-9999
05-21-98 03:00	0.0	1999	-9999
05-21-98 04:00	0.0	2163	-9999
05-21-98 05:00	0.0	2090	-9999
05-21-98 06:00	0.0	1772	-9999
05-21-98 07:00	0.0	1980	-9999
05-21-98 08:00	0.0	1950	-9999
05-21-98 09:00	0.0	2594	-9999
05-21-98 10:00	0.0	2623	-9999
05-21-98 11:00	0.0	2728	-9999
05-21-98 12:00	0.0	2292	-9999
05-21-98 13:00	0.0	2091	-9999
05-21-98 14:00	0.0	2029	-9999
05-21-98 15:00	0.0	-9999	-9999

PROBE FAILURE



Koppers Industries
Tie Plant Road
Daily Summary

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FROM 01/01/98 00:00 TO 06/30/98 23:59

Date/ Time	Opacity	Cell 1 F	Cell 2 F
05-21-98 16:00	0.0	OPACITY 2988	-9999
05-21-98 17:00	0.0	METER 2020	-9999
05-21-98 18:00	0.0	FAILURE 1817	-9999
05-21-98 19:00	0.0	2280	-9999
05-21-98 20:00	0.0	1805	-9999
05-21-98 21:00	0.0	1776	-9999
05-21-98 22:00	0.0	1668	-9999
05-21-98 23:00	0.0	1837	-9999
05-22-98 00:00	0.0	1733	-9999
05-22-98 01:00	0.0	1650	-9999
05-22-98 02:00	0.0	1946	-9999
05-22-98 03:00	0.0	2064	-9999
05-22-98 04:00	0.0	1989	-9999
05-22-98 05:00	0.0	2124	-9999
05-22-98 06:00	0.0	1855	-9999
05-22-98 07:00	0.0	1656	-9999
05-22-98 08:00	0.0	1931	-9999
05-22-98 09:00	0.0	1750	-9999
05-22-98 10:00	0.0	1854	-9999
05-22-98 11:00	0.0	2188	-9999
05-22-98 12:00	0.0	2009	-9999
05-22-98 13:00	0.0	2260	-9999
05-22-98 14:00	0.0	2049	-9999
05-22-98 15:00	0.0	1854	-9999
05-22-98 16:00	0.0	1923	-9999
05-22-98 17:00	0.0	1891	-9999
05-22-98 18:00	0.0	1883	-9999
05-22-98 19:00	0.0	2213	-9999
05-22-98 20:00	0.0	1805	-9999
05-22-98 21:00	0.0	1837	-9999
05-22-98 22:00	0.0	2223	-9999
05-22-98 23:00	0.0	2001	-9999
05-23-98 00:00	0.0	2098	-9999
05-23-98 01:00	0.0	2656	-9999
05-23-98 02:00	0.0	2265	-9999
05-23-98 03:00	0.0	2502	-9999
05-23-98 04:00	0.0	2189	-9999
05-23-98 05:00	0.0	2314	-9999
05-23-98 06:00	0.0	2294	-9999
05-23-98 07:00	0.0	2249	-9999
05-23-98 08:00	0.0	2352	-9999
05-23-98 09:00	0.0	1805	-9999
05-23-98 10:00	0.0	2149	-9999
05-23-98 11:00	0.0	2177	-9999
05-23-98 12:00	0.0	2221	-9999

PROBE FAILURE

Koppers Industries
Tie Plant Road
Daily Summary

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FROM 01/01/98 00:00 TO 06/30/98 23:59

Date/ Time	Opacity %	Cell 1 F	Cell 2 F
5-22-98 13:00	0.0	2160	-9999
5-22-98 14:00	0.0	2647	-9999
5-22-98 15:00	0.0	2605	-9999
5-22-98 16:00	0.0	2227	-9999
5-22-98 17:00	0.0	1942	-9999
5-23-98 18:00	0.0	1965	-9999
5-23-98 19:00	0.0	2952	-9999
5-23-98 20:00	0.0	-9999	994
5-23-98 21:00	0.0	-9999	-9999
5-23-98 22:00	0.0	-9999	-9999
5-23-98 23:00	0.0	-9999	-9999
5-24-98 00:00	0.0	-9999	-9999
5-24-98 01:00	0.0	-9999	-9999
5-24-98 02:00	0.0	-9999	-9999
5-24-98 03:00	0.0	-9999	-9999
5-24-98 04:00	0.0	-9999	-9999
5-24-98 05:00	0.0	-9999	-9999
5-24-98 06:00	0.0	-9999	-9999
5-24-98 07:00	0.0	-9999	-9999
5-24-98 08:00	0.0	-9999	-9999
5-24-98 09:00	0.0	-9999	-9999
5-24-98 10:00	0.0	-9999	-9999
5-24-98 11:00	0.0	-9999	-9999
5-24-98 12:00	0.0	-9999	-9999
5-24-98 13:00	0.0	-9999	-9999
5-24-98 14:00	0.0	-9999	-9999
5-24-98 15:00	0.0	-9999	-9999
5-24-98 16:00	0.0	-9999	-9999
5-24-98 17:00	0.0	-9999	-9999
5-24-98 18:00	0.0	-9999	-9999
5-24-98 19:00	0.0	-9999	-9999
5-24-98 20:00	0.0	-9999	-9999
5-24-98 21:00	0.0	-9999	-9999
5-24-98 22:00	0.0	-9999	-9999
5-24-98 23:00	0.0	-9999	-9999
5-25-98 00:00	0.0	-9999	-9999
5-25-98 01:00	0.0	-9999	-9999
5-25-98 02:00	0.0	-9999	-9999
5-25-98 03:00	0.0	-9999	-9999
5-25-98 04:00	0.0	-9999	1102
5-25-98 05:00	0.0	-9999	-9999
5-25-98 06:00	0.0	-9999	357
5-25-98 07:00	0.0	-9999	1865
5-25-98 08:00	0.0	-9999	-9999
5-25-98 09:00	0.0	-9999	-9999

Boiler OFF

Koppers Industries
Tie Plant Road
Daily Summary

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FROM 01/01/98 00:00 TO 06/30/98 23:59

Date/ Time	Opacity %	Cell 1 F	Cell 2 F
5-25-98 10:00	0.0	-9999	-9999
5-25-98 11:00	0.0	-9999	-9999
5-25-98 12:00	0.0	-9999	-9999
5-25-98 13:00	0.0	-9999	-9999
5-25-98 14:00	0.0	-9999	-9999
5-25-98 15:00	0.0	-9999	-9999
5-25-98 16:00	0.0	-9999	-9999
5-25-98 17:00	0.0	-9999	-9999
5-25-98 18:00	0.0	-9999	-9999
5-25-98 19:00	0.0	-9999	-9999
5-25-98 20:00	0.0	-9999	1387
5-25-98 21:00	0.0	-9999	-9999
5-25-98 22:00	0.0	-9999	-9999
5-25-98 23:00	0.0	-9999	-9999
5-26-98 00:00	0.0	-9999	-9999
5-26-98 01:00	0.0	-9999	-9999
5-26-98 02:00	0.0	-9999	-9999
5-26-98 03:00	0.0	-9999	-9999
5-26-98 04:00	0.0	-9999	-9999
5-26-98 05:00	0.0	-9999	-9999
5-26-98 06:00	0.0	-9999	-9999
5-26-98 07:00	0.0	-9999	-9999
5-26-98 08:00	0.0	113	492
5-26-98 09:00	0.0	9999	872
5-26-98 10:00	0.0	-9999	1024
5-26-98 11:00	0.0	-9999	1241
5-26-98 12:00	0.0	-9999	1265
5-26-98 13:00	0.0	1034	1031
5-26-98 14:00	0.0	1112	1170
5-26-98 15:00	0.0	984	1137
5-26-98 16:00	0.0	1046	973
5-26-98 17:00	0.0	1023	870
5-26-98 18:00	0.0	1103	946
5-26-98 19:00	0.0	1143	998
5-26-98 20:00	0.0	1136	1008
5-26-98 21:00	0.0	1128	917
5-26-98 22:00	0.0	1039	005
5-26-98 23:00	0.0	937	948
5-27-98 00:00	0.0	990	980
5-27-98 01:00	0.0	843	998
5-27-98 02:00	0.0	903	925
5-27-98 03:00	0.0	1023	1092
5-27-98 04:00	0.0	1059	1206
5-27-98 05:00	0.0	1103	1165
5-27-98 06:00	0.0	1299	1198

Boiler OFF

*
OPACITY
METER
DOWN

Koppers Industries
Tie Plant Road
Daily Summary

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FROM 01/01/98 00:00 TO 06/30/98 23:59

OPACITY METER DOWN

Date/ Time	Opacity	Cell 1 F	Cell 2 F
05-27-98 07:00	0.0	1190	1169
05-27-98 08:00	0.0	1148	1007
05-27-98 09:00	0.0	1112	672
05-27-98 10:00	0.0	1107	650
05-27-98 11:00	0.0	1107	938
05-27-98 12:00	0.0	1051	1018
05-27-98 13:00	0.0	885	764
05-27-98 14:00	0.0	1520	1561
05-27-98 15:00	0.0	1678	1623
05-27-98 16:00	0.0	1712	1673
05-27-98 17:00	0.0	1547	1603
05-27-98 18:00	0.0	1643	1566
05-27-98 19:00	0.0	1722	1718
05-27-98 20:00	0.0	1642	1612
05-27-98 21:00	0.0	1691	1615
05-27-98 22:00	0.0	1650	1619
05-27-98 23:00	0.0	1703	1631
05-28-98 00:00	0.0	1649	1665
05-28-98 01:00	0.0	1656	1708
05-28-98 02:00	0.0	1457	1433
05-28-98 03:00	0.0	1365	1276
05-28-98 04:00	0.0	1414	1375
05-28-98 05:00	0.0	1479	1472
05-28-98 06:00	0.0	1678	1503
05-28-98 07:00	0.0	1651	1555
05-28-98 08:00	0.0	1818	1616
05-28-98 09:00	0.0	1420	1199
05-28-98 10:00	0.0	763	681
05-28-98 11:00	0.0	1176	1068
05-28-98 12:00	0.0	1219	1288
05-28-98 13:00	0.0	1517	1555
05-28-98 14:00	0.0	1593	1574
05-28-98 15:00	0.0	1581	1615
05-28-98 16:00	0.0	1609	1590
05-28-98 17:00	0.0	1496	1495
05-28-98 18:00	0.0	1329	1320
05-28-98 19:00	-9999.0	-9999	-9999
05-28-98 20:00	0.0	826	885
05-28-98 21:00	0.0	1276	1217
05-28-98 22:00	0.0	1149	873
05-28-98 23:00	0.0	1190	1108
05-29-98 00:00	0.0	1251	1115
05-29-98 01:00	0.0	1252	1081
05-29-98 02:00	0.0	1278	1032
05-29-98 03:00	0.0	1039	990

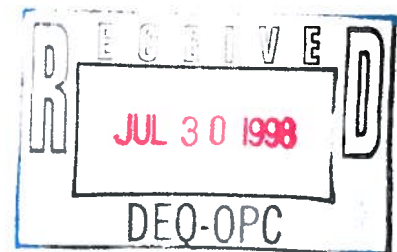
Koppers Industries
Tie Plant Road
Daily Summary

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FROM 01/01/98 00:00 TO 06/30/98 23:59

METER DOWN

Date/ Time	Opacity %	Cell 1 F	Cell 2 F
5-29-98 04:00	0.0	1122	1016
5-29-98 05:00	-9999.0	-9999	-9999
5-29-98 06:00	-9999.0	-9999	-9999
5-29-98 07:00	0.0	962	859
5-29-98 08:00	0.0	1113	1042
5-29-98 09:00	0.0	1076	1070
5-29-98 10:00	0.0	1024	978
5-29-98 11:00	0.0	1036	1037
5-29-98 12:00	0.0	1058	1042
5-29-98 13:00	0.0	1011	1076
5-29-98 14:00	0.0	1116	1149
5-29-98 15:00	0.0	1323	1201
5-29-98 16:00	0.0	1371	1332
5-29-98 17:00	0.0	893	814
5-29-98 18:00	0.0	500	496
5-29-98 19:00	0.0	1142	1010
5-29-98 20:00	0.0	1278	1052
5-29-98 21:00	0.0	1125	1177
5-29-98 22:00	0.0	1212	1194
5-29-98 23:00	0.0	1175	1045
5-30-98 00:00	0.0	907	594
5-30-98 01:00	0.0	871	761
5-30-98 02:00	0.0	1131	1015
5-30-98 03:00	0.0	1235	1139
5-30-98 04:00	0.0	1126	1060
5-30-98 05:00	0.0	1306	862
5-30-98 06:00	0.0	1157	1165
5-30-98 07:00	0.0	1090	1069
5-30-98 08:00	0.0	926	814
5-30-98 09:00	0.0	839	868
5-30-98 10:00	0.0	949	930
5-30-98 11:00	0.0	1038	1028
5-30-98 12:00	0.0	1099	976
5-30-98 13:00	0.0	1255	1029
5-30-98 14:00	0.0	1165	1199
5-30-98 15:00	0.0	1147	1210
5-30-98 16:00	0.0	1393	1402
5-30-98 17:00	0.0	1023	1118
5-30-98 18:00	0.0	973	1016
5-30-98 19:00	0.0	1117	767
5-30-98 20:00	0.0	1184	1142
5-30-98 21:00	0.0	1216	1251
5-30-98 22:00	0.0	1191	1134
5-30-98 23:00	0.0	1161	1197
5-31-98 00:00	0.0	1221	1279



Koppers Industries
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FROM 01/01/98 00:00 TO 06/30/98 23:59

Date/ Time	Opacity %	METER DOWN	
		Cell 1 F	Cell 2 F
05-31-98 01:00	0.0	1201	1246
05-31-98 02:00	0.0	998	919
05-31-98 03:00	0.0	1057	798
05-31-98 04:00	0.0	1088	1001
05-31-98 05:00	0.0	1011	1030
05-31-98 06:00	0.0	904	1033
05-31-98 07:00	0.0	930	1013
05-31-98 08:00	0.0	1053	998
05-31-98 09:00	0.0	587	582
05-31-98 10:00	0.0	519	518
05-31-98 11:00	0.0	480	480
05-31-98 12:00	0.0	452	454
05-31-98 13:00	0.0	432	435
05-31-98 14:00	0.0	415	420
05-31-98 15:00	0.0	400	406
05-31-98 16:00	0.0	386	394
05-31-98 17:00	0.0	373	383
05-31-98 18:00	0.0	362	372
05-31-98 19:00	0.0	351	363
05-31-98 20:00	0.0	341	354
05-31-98 21:00	0.0	332	346
05-31-98 22:00	0.0	323	338
05-31-98 23:00	0.0	316	331
06-01-98 00:00	0.0	309	325
06-01-98 01:00	0.0	302	319
06-01-98 02:00	0.0	296	313
06-01-98 03:00	0.0	328	344
06-01-98 04:00	0.0	931	977
06-01-98 05:00	0.0	826	923
06-01-98 06:00	0.0	1046	1006
06-01-98 07:00	0.0	1314	1340
06-01-98 08:00	0.0	1492	1521
06-01-98 09:00	0.0	1764	1613
06-01-98 10:00	0.0	1723	1674
06-01-98 11:00	0.0	1596	1588
06-01-98 12:00	0.0	1125	1234
06-01-98 13:00	0.0	1127	1143
06-01-98 14:00	0.0	1149	1152
06-01-98 15:00	0.0	1415	1148
06-01-98 16:00	0.0	1216	1387
06-01-98 17:00	0.0	1266	1423
06-01-98 18:00	0.0	1101	1301
06-01-98 19:00	0.0	1118	1229
06-01-98 20:00	0.0	1226	967
06-01-98 21:00	0.0	1488	1446

BOILER DOWN

Koppers Industries
Tie Plant Road
Daily Summary

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FROM 01/01/98 00:00 TO 06/30/98 23:59

Date/ Time	Opacity %	<i>METER DOWN</i> Cell 1 F	Cell 2 F
6-01-98 22:00	0.0	1811	1629
6-01-98 23:00	0.0	1526	1371
6-02-98 00:00	0.0	1740	1549
6-02-98 01:00	0.0	1652	1590
6-02-98 02:00	0.0	1472	1363
6-02-98 03:00	0.0	1493	1407
6-02-98 04:00	0.0	1797	1605
6-02-98 05:00	0.0	1689	1629
6-02-98 06:00	0.0	1581	1536
6-02-98 07:00	0.0	1637	1611
6-02-98 08:00	0.0	1618	1691
6-02-98 09:00	0.0	1488	1480
6-02-98 10:00	0.0	1604	1524
6-02-98 11:00	0.0	1339	1137
6-02-98 12:00	0.0	1726	1580
6-02-98 13:00	0.0	1622	1591
6-02-98 14:00	0.0	1597	1686
6-02-98 15:00	0.0	1372	1101
6-02-98 16:00	0.0	1511	1358
6-02-98 17:00	0.0	1147	1174
6-02-98 18:00	0.0	1255	1235
6-02-98 19:00	0.0	1418	1283
6-02-98 20:00	0.0	1511	1195
6-02-98 21:00	0.0	1192	1078
6-02-98 22:00	0.0	1335	1099
6-02-98 23:00	0.0	1163	842
6-03-98 00:00	0.0	1364	1197
6-03-98 01:00	0.0	1437	1243
6-03-98 02:00	0.0	1731	1353
6-03-98 03:00	0.0	1264	1123
6-03-98 04:00	0.0	1615	1486
6-03-98 05:00	0.0	1559	1452
6-03-98 06:00	0.0	1528	1360
6-03-98 07:00	0.0	1527	1385
6-03-98 08:00	0.0	1518	1512
6-03-98 09:00	0.0	1417	1377
6-03-98 10:00	0.0	1592	1398
6-03-98 11:00	0.0	1321	1253
6-03-98 12:00	0.0	1391	1447
6-03-98 13:00	0.0	1473	1423
6-03-98 14:00	0.0	1409	1543
6-03-98 15:00	-9999.0	-9999	-9999
6-03-98 16:00	-9999.0	-9999	-9999
6-03-98 17:00	-9999.0	-9999	-9999
6-03-98 18:00	-9999.0	-9999	-9999

POWER OFF

Koppers Industries
Tie Plant Road
Daily Summary

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FROM 01/01/98 00:00 TO 06/30/98 23:59

Date/ Time	Opacity %	Cell 1 F	Cell 2 F
06-03-98 19:00	-9999.0	-9999	-9999
06-03-98 20:00	-9999.0	-9999	-9999
06-03-98 21:00	-9999.0	-9999	-9999
06-03-98 22:00	-9999.0	-9999	-9999
06-03-98 23:00	-9999.0	-9999	-9999
06-04-98 00:00	-9999.0	-9999	-9999
06-04-98 01:00	-9999.0	-9999	-9999
06-04-98 02:00	-9999.0	-9999	-9999
06-04-98 03:00	-9999.0	-9999	-9999
06-04-98 04:00	-9999.0	-9999	-9999
06-04-98 05:00	-9999.0	-9999	-9999
06-04-98 06:00	-9999.0	-9999	-9999
06-04-98 07:00	0.0	1083	1196
06-04-98 08:00	0.0	1086	1158
06-04-98 09:00	0.0	1174	1006
06-04-98 10:00	0.0	1196	1035
06-04-98 11:00	0.0	1044	1045
06-04-98 12:00	0.0	1296	1294
06-04-98 13:00	0.0	1219	1229
06-04-98 14:00	0.0	1220	1390
06-04-98 15:00	0.0	1094	1028
06-04-98 16:00	0.0	1097	1055
06-04-98 17:00	0.0	1102	1204
06-04-98 18:00	0.0	1160	1256
06-04-98 19:00	0.0	1149	1352
06-04-98 20:00	0.0	1232	1264
06-04-98 21:00	0.0	1201	1203
06-04-98 22:00	0.0	1262	1230
06-04-98 23:00	0.0	1122	1121
06-05-98 00:00	0.0	1043	1097
06-05-98 01:00	0.0	1043	1158
06-05-98 02:00	0.0	1123	1182
06-05-98 03:00	0.0	1314	1215
06-05-98 04:00	0.0	1188	1222
06-05-98 05:00	0.0	1211	1300
06-05-98 06:00	0.0	1076	1236
06-05-98 07:00	0.0	1161	1322
06-05-98 08:00	0.0	1228	1176
06-05-98 09:00	0.0	1583	1595
06-05-98 10:00	0.0	1573	1456
06-05-98 11:00	0.0	913	864
06-05-98 12:00	0.0	1169	1189
06-05-98 13:00	0.0	1481	1637
06-05-98 14:00	0.0	1514	1656
06-05-98 15:00	0.0	1615	1647

POWER OFF

METER
DOWN

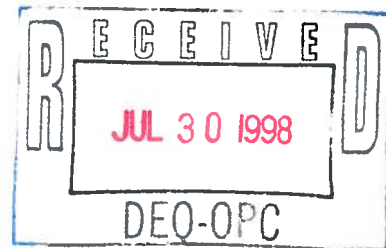
Koppers Industries
Tie Plant Road
Daily Summary

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FROM 01/01/98 00:00 TO 06/30/98 23:59

Date/ Time	Opacity %	METER Down Cell 1		Cell 2	
		F	F	F	F
6-05-98 16:00	0.0	1448		1479	
6-05-98 17:00	0.0	1546		1493	
6-05-98 18:00	0.0	1250		1183	
6-05-98 19:00	0.0	1474		1499	
6-05-98 20:00	0.0	1534		1625	
6-05-98 21:00	0.0	1637		1610	
6-05-98 22:00	0.0	1642		1637	
6-05-98 23:00	0.0	1560		1616	
6-06-98 00:00	0.0	1669		1642	
6-06-98 01:00	0.0	1733		1639	
6-06-98 02:00	0.0	1725		1658	
6-06-98 03:00	0.0	1355		1397	
6-06-98 04:00	0.0	1240		1225	
6-06-98 05:00	0.0	1563		1589	
6-06-98 06:00	0.0	1716		1686	
6-06-98 07:00	0.0	1656		1629	
6-06-98 08:00	0.0	1513		1589	
6-06-98 09:00	0.0	1575		1479	
6-06-98 10:00	0.0	1241		1269	
6-06-98 11:00	0.0	1206		1245	
6-06-98 12:00	0.0	1189		1264	
6-06-98 13:00	0.0	1275		1292	
6-06-98 14:00	0.0	1118		1188	
6-06-98 15:00	0.0	1158		1262	
6-06-98 16:00	0.0	1294		1201	
6-06-98 17:00	0.0	1289		1244	
6-06-98 18:00	0.0	1265		1135	
6-06-98 19:00	0.0	1529		1483	
6-06-98 20:00	0.0	1513		1374	
6-06-98 21:00	0.0	1468		1311	
6-06-98 22:00	0.0	1316		1397	
6-06-98 23:00	0.0	1270		1299	
6-07-98 00:00	0.0	1308		1222	
6-07-98 01:00	0.0	1337		1236	
6-07-98 02:00	0.0	1262		1214	
6-07-98 03:00	0.0	1066		1108	
6-07-98 04:00	0.0	1051		1039	
6-07-98 05:00	0.0	992		1015	
6-07-98 06:00	0.0	995		977	
6-07-98 07:00	0.0	551		593	
6-07-98 08:00	0.0	506		526	
6-07-98 09:00	0.0	472		490	
6-07-98 10:00	0.0	447		463	
6-07-98 11:00	0.0	427		443	
6-07-98 12:00	0.0	411		426	

BOILER DOWN



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FROM 01/01/98 00:00 TO 06/30/98 23:59

Date/ Time	Opacity	Cell 1	Cell 2
	%	F	F
6-07-98 13:00	0.0	METER 396	410
6-07-98 14:00	0.0	DOWN 383	397
6-07-98 15:00	0.0	370	385
6-07-98 16:00	0.0	359	374
6-07-98 17:00	0.0	349	364
6-07-98 18:00	0.0	339	354
6-07-98 19:00	0.0	329	345
6-07-98 20:00	0.0	320	336
6-07-98 21:00	0.0	312	329
6-07-98 22:00	0.0	304	322
6-07-98 23:00	0.0	297	315
6-08-98 00:00	0.0	291	309
6-08-98 01:00	0.0	285	303
6-08-98 02:00	0.0	279	298
6-08-98 03:00	0.0	424	460
6-08-98 04:00	0.0	893	1018
6-08-98 05:00	0.0	795	794
6-08-98 06:00	0.0	907	965
6-08-98 07:00	0.0	874	970
6-08-98 08:00	0.0	1040	1059
6-08-98 09:00	0.0	1317	1212
6-08-98 10:00	0.0	1270	1258
6-08-98 11:00	0.0	1153	1092
6-08-98 12:00	0.0	1164	1180
6-08-98 13:00	0.0	1065	1113
6-08-98 14:00	0.0	1069	1068
6-08-98 15:00	0.0	1085	1101
6-08-98 16:00	0.0	1075	1097
6-08-98 17:00	0.0	1247	1159
6-08-98 18:00	0.0	1284	1143
6-08-98 19:00	0.0	1204	1133
6-08-98 20:00	0.0	1124	1093
6-08-98 21:00	0.0	779	757
6-08-98 22:00	0.0	839	768
6-08-98 23:00	0.0	1139	1070
6-09-98 00:00	0.0	1024	992
6-09-98 01:00	0.0	942	975
6-09-98 02:00	0.0	1093	926
6-09-98 03:00	0.0	906	670
6-09-98 04:00	0.0	1231	1169
6-09-98 05:00	0.0	509	428
6-09-98 06:00	0.0	1218	1132
6-09-98 07:00	0.0	1353	1507
6-09-98 08:00	0.0	1731	1535
6-09-98 09:00	0.0	1627	1611

BOILER DOWN

Koppers Industries
Tie Plant Road
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FROM 01/01/98 00:00 TO 06/30/98 23:59

Date/ Time	Opacity %	METER Cell 1		Cell 2	
		DOWN	F	F	
6-09-98 10:00	0.0		1542	1614	
6-09-98 11:00	0.0		1302	1440	
6-09-98 12:00	0.0		1453	1418	
6-09-98 13:00	0.0		1312	953	
6-09-98 14:00	0.0		730	571	
6-09-98 15:00	0.0		666	571	
6-09-98 16:00	0.0		1170	1161	
6-09-98 17:00	0.0		1216	1281	
6-09-98 18:00	0.0		1176	1146	
6-09-98 19:00	0.0		1048	1112	
6-09-98 20:00	0.0		1144	1108	
6-09-98 21:00	0.0		1095	1135	
06-09-98 22:00	0.0		1093	1058	
6-09-98 23:00	0.0		993	1053	
06-10-98 00:00	0.0		1142	990	
06-10-98 01:00	0.0		1003	937	
06-10-98 02:00	0.0		1000	1022	
06-10-98 03:00	0.0		972	965	
06-10-98 04:00	0.0		938	950	
06-10-98 05:00	0.0		936	924	
06-10-98 06:00	0.0		1015	1023	
06-10-98 07:00	0.0		1208	1247	
06-10-98 08:00	0.0		1191	1116	
06-10-98 09:00	0.0		1125	1051	
06-10-98 10:00	0.0		1129	1053	
06-10-98 11:00	0.0		1137	1003	
06-10-98 12:00	0.0		1322	1248	
06-10-98 13:00	0.0		1623	1516	
06-10-98 14:00	0.0		1586	1602	
06-10-98 15:00	0.0		1760	1561	
06-10-98 16:00	0.0		1623	1611	
06-10-98 17:00	0.0		1617	1614	
06-10-98 18:00	0.0		1606	1569	
06-10-98 19:00	0.0		1417	1182	
06-10-98 20:00	0.0		1323	1260	
06-10-98 21:00	0.0		1319	1345	
06-10-98 22:00	0.0		1183	1156	
06-10-98 23:00	0.0		1431	1239	
06-11-98 00:00	0.0		1668	1577	
06-11-98 01:00	0.0		1578	1555	
06-11-98 02:00	0.0		1393	1320	
06-11-98 03:00	0.0		1456	1379	
06-11-98 04:00	0.0		1510	1634	
06-11-98 05:00	0.0		1555	1488	
06-11-98 06:00	0.0		1640	1395	

Koppers Industries
Tie Plant Road
Daily Summary

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FROM 01/01/98 00:00 TO 06/30/98 23:59

Date/ Time	Opacity %	<i>METER DOWN</i>	
		Cell 1 F	Cell 2 F
6-11-98 07:00	0.0	1655	1564
6-11-98 08:00	0.0	1579	1686
6-11-98 09:00	0.0	1504	1405
6-11-98 10:00	0.0	1571	1650
6-11-98 11:00	0.0	1428	1464
6-11-98 12:00	0.0	1531	1540
6-11-98 13:00	0.0	1380	1367
6-11-98 14:00	0.0	1530	1204
6-11-98 15:00	0.0	1591	1533
6-11-98 16:00	0.0	1237	1179
6-11-98 17:00	0.0	1483	1526
6-11-98 18:00	0.0	1463	1554
6-11-98 19:00	0.0	1517	1542
6-11-98 20:00	0.0	1297	1194
6-11-98 21:00	0.0	1020	938
6-11-98 22:00	0.0	1162	1067
6-11-98 23:00	0.0	841	799
6-12-98 00:00	0.0	523	523
6-12-98 01:00	0.0	502	501
6-12-98 02:00	0.0	468	471
6-12-98 03:00	0.0	451	452
6-12-98 04:00	0.0	1371	1340
6-12-98 05:00	0.0	1217	1119
6-12-98 06:00	0.0	1258	1125
6-12-98 07:00	0.0	1276	1281
6-12-98 08:00	0.0	1305	1244
6-12-98 09:00	0.0	1347	1269
6-12-98 10:00	0.0	1349	1294
6-12-98 11:00	0.0	1143	1098
6-12-98 12:00	0.0	1177	1137
6-12-98 13:00	0.0	1066	1012
6-12-98 14:00	0.0	1058	1043
6-12-98 15:00	0.0	1212	1029
6-12-98 16:00	0.0	1200	1085
6-12-98 17:00	0.0	1003	1137
6-12-98 18:00	0.0	1147	1184
6-12-98 19:00	0.0	1023	1031
6-12-98 20:00	0.0	925	918
6-12-98 21:00	0.0	431	440
6-12-98 22:00	0.0	351	378
6-12-98 23:00	0.0	318	341
6-13-98 00:00	0.0	1437	1371
6-13-98 01:00	0.0	1146	1117
6-13-98 02:00	0.0	1159	1164
6-13-98 03:00	0.0	1271	1234

Koppers Industries
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FROM 01/01/98 00:00 TO 06/30/98 23:59

Date/ Time	Opacity	METER DOWN		Cell 1 F	Cell 2 F
		3	4		
6-15-98 01:00	0.0			243	260
6-15-98 02:00	0.0			240	258
6-15-98 03:00	0.0			234	252
6-15-98 04:00	0.0			225	243
6-15-98 05:00	0.0			223	242
6-15-98 06:00	0.0			600	592
6-15-98 07:00	0.0			1085	1103
6-15-98 08:00	0.0			1133	1119
6-15-98 09:00	0.0			1245	1234
6-15-98 10:00	0.0			1188	1159
6-15-98 11:00	0.0			1339	1266
6-15-98 12:00	0.0			1293	1294
6-15-98 13:00	0.0			1307	1321
6-15-98 14:00	0.0			1302	1257
6-15-98 15:00	0.0			1314	1326
6-15-98 16:00	0.0			1198	1336
6-15-98 17:00	0.0			1094	895
6-15-98 18:00	0.0			1060	1033
6-15-98 19:00	0.0			1111	999
6-15-98 20:00	0.0			1254	1157
6-15-98 21:00	0.0			1165	1198
6-15-98 22:00	0.0			1224	1137
6-15-98 23:00	0.0			1024	1008
6-16-98 00:00	0.0			1102	971
6-16-98 01:00	0.0			1056	1033
6-16-98 02:00	0.0			1086	1296
6-16-98 03:00	0.0			1111	1041
6-16-98 04:00	0.0			1114	1115
6-16-98 05:00	0.0			1140	1125
6-16-98 06:00	0.0			1252	1111
6-16-98 07:00	0.0			1177	1168
6-16-98 08:00	0.0			1263	1180
6-16-98 09:00	0.0			1157	1174
6-16-98 10:00	0.0			1035	1151
6-16-98 11:00	0.0			1154	1154
6-16-98 12:00	0.0			1262	1251
6-16-98 13:00	0.0			1585	1600
6-16-98 14:00	0.0			1697	1613
6-16-98 15:00	0.0			1593	1520
6-16-98 16:00	0.0			1578	1597
6-16-98 17:00	0.0			1162	1388
6-16-98 18:00	0.0			1491	1453
6-16-98 19:00	0.0			1708	1602
6-16-98 20:00	0.0			1770	1634
6-16-98 21:00	0.0			1773	1616

BOILER DOWN

Koppers Industries
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FROM 01/01/98 00:00 TO 06/30/98 23:59

Date/ Time	Opacity %	<i>METER DOWN</i>	
		Cell 1 F	Cell 2 F
6-13-98 04:00	0.0	1218	1214
6-13-98 05:00	0.0	1133	1145
6-13-98 06:00	0.0	1338	1255
6-13-98 07:00	0.0	1346	1369
6-13-98 08:00	0.0	1319	1241
6-13-98 09:00	0.0	1221	1196
6-13-98 10:00	0.0	1362	1281
6-13-98 11:00	0.0	1219	1243
6-13-98 12:00	0.0	959	1049
6-13-98 13:00	0.0	1111	1022
6-13-98 14:00	0.0	992	837
6-13-98 15:00	0.0	1285	901
6-13-98 16:00	0.0	1226	833
6-13-98 17:00	0.0	1259	846
6-13-98 18:00	0.0	1207	841
6-13-98 19:00	0.0	1175	936
6-13-98 20:00	0.0	1189	1000
6-13-98 21:00	0.0	1101	989
6-13-98 22:00	0.0	1406	1144
6-13-98 23:00	0.0	1281	1127
6-14-98 00:00	0.0	1061	955
6-14-98 01:00	0.0	468	419
6-14-98 02:00	0.0	379	353
6-14-98 03:00	0.0	328	323
6-14-98 04:00	0.0	311	313
6-14-98 05:00	0.0	345	342
6-14-98 06:00	0.0	343	342
6-14-98 07:00	0.0	335	335
6-14-98 08:00	0.0	327	328
6-14-98 09:00	0.0	319	321
6-14-98 10:00	0.0	312	316
6-14-98 11:00	0.0	305	310
6-14-98 12:00	0.0	299	306
6-14-98 13:00	0.0	286	297
6-14-98 14:00	0.0	287	296
6-14-98 15:00	0.0	282	293
6-14-98 16:00	0.0	278	289
6-14-98 17:00	0.0	273	286
6-14-98 18:00	0.0	269	283
6-14-98 19:00	0.0	265	279
6-14-98 20:00	0.0	261	275
6-14-98 21:00	0.0	257	272
6-14-98 22:00	0.0	253	268
6-14-98 23:00	0.0	249	266
6-15-98 00:00	0.0	246	263

BOILER DOWN

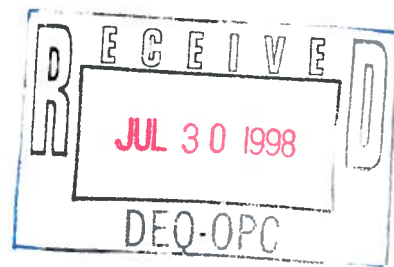
Koppers Industries
Tie Plant Road
Daily Summary

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FROM 01/01/98 00:00 TO 06/30/98 23:59

Date/ Time	Opacity % DOWN	METER Cell 1 F	Cell 2 F
6-16-98 22:00	0.0	1806	1688
6-16-98 23:00	0.0	1843	1643
6-17-98 00:00	0.0	1803	1689
6-17-98 01:00	0.0	1831	1693
6-17-98 02:00	0.0	1814	1668
6-17-98 03:00	0.0	1142	1344
6-17-98 04:00	0.0	1273	1197
6-17-98 05:00	0.0	1152	1224
6-17-98 06:00	0.0	1165	1213
6-17-98 07:00	0.0	1123	1152
6-17-98 08:00	0.0	1504	1467
6-17-98 09:00	0.0	1628	1667
6-17-98 10:00	0.0	1597	1695
6-17-98 11:00	0.0	1412	1594
6-17-98 12:00	0.0	1606	1692
6-17-98 13:00	0.0	1612	1676
6-17-98 14:00	0.0	1379	1393
6-17-98 15:00	0.0	1002	992
6-17-98 16:00	0.0	918	829
6-17-98 17:00	0.0	611	616
6-17-98 18:00	0.0	545	557
6-17-98 19:00	0.0	977	927
6-17-98 20:00	0.0	914	852
6-17-98 21:00	0.0	564	567
6-17-98 22:00	0.0	497	504
6-17-98 23:00	0.0	632	624
6-18-98 00:00	0.0	1150	1020
6-18-98 01:00	0.0	1011	886
6-18-98 02:00	0.0	988	815
6-18-98 03:00	0.0	969	816
6-18-98 04:00	0.0	1071	908
6-18-98 05:00	0.0	989	837
6-18-98 06:00	0.0	1043	942
6-18-98 07:00	0.0	944	796
6-18-98 08:00	0.0	934	777
6-18-98 09:00	0.0	935	862
6-18-98 10:00	0.0	1090	925
6-18-98 11:00	0.0	1102	887
6-18-98 12:00	0.0	939	879
6-18-98 13:00	0.0	1103	944
6-18-98 14:00	0.0	1075	1020
6-18-98 15:00	0.0	1014	1048
6-18-98 16:00	0.0	820	870
6-18-98 17:00	0.0	922	942
6-18-98 18:00	0.0	1055	1056

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FROM 01/01/98 00:00 TO 06/30/98 23:59

Date/ Time	Opacity	Cell 1	Cell 2
	%	F	F
6-18-98 19:00	0.0	910	1016
6-18-98 20:00	0.0	1000	1087
6-18-98 21:00	0.0	934	1002
6-18-98 22:00	0.0	868	958
6-18-98 23:00	0.0	838	803
6-19-98 00:00	0.0	1026	960
6-19-98 01:00	0.0	882	806
6-19-98 02:00	0.0	736	699
6-19-98 03:00	0.0	986	861
6-19-98 04:00	0.0	899	903
6-19-98 05:00	0.0	964	955
6-19-98 06:00	0.0	1056	1119
6-19-98 07:00	0.0	967	1092
6-19-98 08:00	0.0	959	1035
6-19-98 09:00	0.0	945	1050
6-19-98 10:00	0.0	953	1052
6-19-98 11:00	0.0	848	1003
6-19-98 12:00	0.0	722	954
6-19-98 13:00	0.0	824	949
6-19-98 14:00	0.0	973	1069
6-19-98 15:00	0.0	938	900
6-19-98 16:00	0.0	957	1028
6-19-98 17:00	0.0	926	1058
6-19-98 18:00	0.0	1134	1134
6-19-98 19:00	0.0	1226	1217
6-19-98 20:00	0.0	1308	1245
6-19-98 21:00	0.0	1297	1279
6-19-98 22:00	0.0	1195	1161
6-19-98 23:00	0.0	1063	1131
6-20-98 00:00	0.0	1052	987
6-20-98 01:00	0.0	1278	1223
6-20-98 02:00	0.0	1218	1090
6-20-98 03:00	0.0	1149	1128
6-20-98 04:00	0.0	1011	1044
6-20-98 05:00	0.0	1172	1139
6-20-98 06:00	0.0	1040	1037
6-20-98 07:00	0.0	1066	1055
6-20-98 08:00	0.0	1124	1060
6-20-98 09:00	0.0	1131	1078
6-20-98 10:00	0.0	1055	1079
6-20-98 11:00	0.0	1023	1055
6-20-98 12:00	0.0	1066	1014
6-20-98 13:00	0.0	1067	1030
6-20-98 14:00	0.0	1048	1022
6-20-98 15:00	0.0	1013	1018

BOILER DOWN

METER
DOWN

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Date/ Time	Opacity	METER DOWN	Cell 1 F	Cell 2 F
5-20-98 16:00	0.0		1124	1116
5-20-98 17:00	0.0		887	992
5-20-98 18:00	0.0		1229	1059
5-20-98 19:00	0.0		1110	1005
5-20-98 20:00	0.0		940	817
5-20-98 21:00	0.0		932	840
5-20-98 22:00	0.0		1001	823
5-20-98 23:00	0.0		931	945
6-21-98 00:00	0.0		1105	968
6-21-98 01:00	0.0		1077	964
6-21-98 02:00	0.0		1062	979
6-21-98 03:00	0.0		756	677
6-21-98 04:00	0.0		449	440
6-21-98 05:00	0.0		434	431
6-21-98 06:00	0.0		410	409
6-21-98 07:00	0.0		391	393
6-21-98 08:00	0.0		377	379
6-21-98 09:00	0.0		364	368
6-21-98 10:00	0.0		353	359
6-21-98 11:00	0.0		344	350
6-21-98 12:00	0.0		335	342
6-21-98 13:00	0.0		327	336
6-21-98 14:00	0.0		320	329
6-21-98 15:00	0.0		313	323
6-21-98 16:00	0.0		306	317
6-21-98 17:00	0.0		300	312
6-21-98 18:00	0.0		294	306
6-21-98 19:00	0.0		288	301
6-21-98 20:00	0.0		283	296
6-21-98 21:00	0.0		278	291
6-21-98 22:00	0.0		273	287
6-21-98 23:00	0.0		269	283
6-22-98 00:00	0.0		265	280
6-22-98 01:00	0.0		261	277
6-22-98 02:00	0.0		258	274
6-22-98 03:00	0.0		452	469
6-22-98 04:00	0.0		786	845
6-22-98 05:00	0.0		759	894
6-22-98 06:00	0.0		865	883
6-22-98 07:00	0.0		869	878
6-22-98 08:00	0.0		840	919
6-22-98 09:00	0.0		898	1001
6-22-98 10:00	0.0		899	915
6-22-98 11:00	0.0		834	858
6-22-98 12:00	0.0		868	887

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FROM 01/01/98 00:00 TO 06/30/98 23:59

Date/ Time	Opacity %	<i>METER DOWN</i>	Cell 1 F	Cell 2 F
6-22-98 13:00	0.0		918	935
6-22-98 14:00	0.0		831	836
6-22-98 15:00	0.0		677	515
6-22-98 16:00	0.0		894	1019
6-22-98 17:00	0.0		1045	1074
6-22-98 18:00	0.0		956	1004
6-22-98 19:00	0.0		966	997
6-22-98 20:00	0.0		820	901
6-22-98 21:00	0.0		945	945
6-22-98 22:00	0.0		998	1013
6-22-98 23:00	0.0		1148	1138
6-23-98 00:00	0.0		997	1057
6-23-98 01:00	0.0		1084	1093
6-23-98 02:00	0.0		1225	1139
6-23-98 03:00	0.0		1193	1179
6-23-98 04:00	0.0		1205	1184
6-23-98 05:00	0.0		1247	1123
6-23-98 06:00	0.0		1065	1030
6-23-98 07:00	0.0		965	1014
6-23-98 08:00	0.0		916	939
6-23-98 09:00	0.0		837	924
6-23-98 10:00	0.0		834	941
6-23-98 11:00	0.0		809	894
6-23-98 12:00	0.0		864	1060
6-23-98 13:00	0.0		834	1046
6-23-98 14:00	0.0		864	1120
6-23-98 15:00	0.0		782	1080
6-23-98 16:00	0.0		817	1037
6-23-98 17:00	0.0		845	1020
6-23-98 18:00	0.0		859	1076
6-23-98 19:00	0.0		829	1048
6-23-98 20:00	0.0		891	938
6-23-98 21:00	0.0		1009	1052
6-23-98 22:00	0.0		1094	1088
6-23-98 23:00	0.0		1111	1084
6-24-98 00:00	0.0		1079	1077
6-24-98 01:00	0.0		1088	1095
6-24-98 02:00	0.0		1022	980
6-24-98 03:00	0.0		848	907
6-24-98 04:00	0.0		1000	1074
6-24-98 05:00	0.0		988	1070
6-24-98 06:00	0.0		980	970
6-24-98 07:00	0.0		961	1013
6-24-98 08:00	0.0		1044	1173
6-24-98 09:00	0.0		952	996

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Date/ Time	Opacity %	METER DOWN	
		Cell 1 F	Cell 2 F
6-24-98 10:00	0.0	943	964
6-24-98 11:00	0.0	856	925
6-24-98 12:00	0.0	811	1021
6-24-98 13:00	0.0	832	939
6-24-98 14:00	0.0	976	1028
6-24-98 15:00	0.0	1009	987
6-24-98 16:00	0.0	933	1066
6-24-98 17:00	0.0	850	1053
6-24-98 18:00	0.0	948	1136
6-24-98 19:00	0.0	937	888
6-24-98 20:00	0.0	870	894
6-24-98 21:00	0.0	910	914
6-24-98 22:00	0.0	1041	992
6-24-98 23:00	0.0	1080	1032
6-25-98 00:00	0.0	1042	961
6-25-98 01:00	0.0	1092	970
6-25-98 02:00	0.0	1052	986
6-25-98 03:00	0.0	1027	968
6-25-98 04:00	0.0	1036	942
6-25-98 05:00	0.0	943	934
6-25-98 06:00	0.0	802	706
6-25-98 07:00	0.0	978	955
6-25-98 08:00	0.0	1033	1000
6-25-98 09:00	0.0	897	963
6-25-98 10:00	0.0	1086	1085
6-25-98 11:00	0.0	1019	1067
6-25-98 12:00	0.0	950	1041
6-25-98 13:00	0.0	1067	1097
6-25-98 14:00	0.0	973	983
6-25-98 15:00	0.0	994	965
6-25-98 16:00	0.0	945	1006
6-25-98 17:00	0.0	920	1039
6-25-98 18:00	0.0	1026	951
6-25-98 19:00	0.0	907	946
6-25-98 20:00	0.0	975	1061
6-25-98 21:00	0.0	1047	1071
6-25-98 22:00	0.0	909	979
6-25-98 23:00	0.0	917	1024
6-26-98 00:00	0.0	852	954
6-26-98 01:00	0.0	841	982
6-26-98 02:00	0.0	992	1088
6-26-98 03:00	0.0	905	675
6-26-98 04:00	0.0	1072	612
6-26-98 05:00	0.0	1056	819
6-26-98 06:00	0.0	1031	1112



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FROM 01/01/98 00:00 TO 06/30/98 23:59

Date/ Time	Opacity	<i>METER DOWN</i> Cell 1	Cell 2
		F	F
6-26-98 07:00	0.0	784	993
6-26-98 08:00	0.0	771	922
6-26-98 09:00	0.0	743	789
6-26-98 10:00	0.0	803	699
6-26-98 11:00	0.0	973	1040
6-26-98 12:00	0.0	1013	975
6-26-98 13:00	0.0	1048	941
6-26-98 14:00	0.0	1037	940
6-26-98 15:00	0.0	1065	945
6-26-98 16:00	0.0	1155	1066
6-26-98 17:00	0.0	1178	1156
6-26-98 18:00	0.0	950	805
6-26-98 19:00	0.0	987	872
6-26-98 20:00	0.0	1000	870
6-26-98 21:00	0.0	1041	890
6-26-98 22:00	0.0	993	870
6-26-98 23:00	0.0	1035	930
6-27-98 00:00	0.0	1097	1001
6-27-98 01:00	0.0	1174	1012
6-27-98 02:00	0.0	992	860
6-27-98 03:00	0.0	946	844
6-27-98 04:00	0.0	1024	953
6-27-98 05:00	0.0	944	1047
6-27-98 06:00	0.0	970	1112
6-27-98 07:00	0.0	801	1031
6-27-98 08:00	0.0	767	1005
6-27-98 09:00	0.0	893	1136
6-27-98 10:00	0.0	926	1102
6-27-98 11:00	0.0	910	1116
6-27-98 12:00	0.0	807	1133
6-27-98 13:00	0.0	777	872
6-27-98 14:00	0.0	989	815
6-27-98 15:00	0.0	1007	927
6-27-98 16:00	0.0	964	1022
6-27-98 17:00	0.0	932	986
6-27-98 18:00	0.0	1073	1135
6-27-98 19:00	0.0	1174	1254
6-27-98 20:00	0.0	1126	1140
6-27-98 21:00	0.0	897	1035
6-27-98 22:00	0.0	1070	1100
6-27-98 23:00	0.0	1045	1113
6-28-98 00:00	0.0	909	1069
6-28-98 01:00	0.0	972	1124
6-28-98 02:00	0.0	914	1068
6-28-98 03:00	0.0	822	1006

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FROM 01/01/98 00:00 TO 06/30/98 23:59

Date/ Time	Opacity %	METER Down	
		Cell 1 F	Cell 2 F
6-28-98 04:00	0.0	739	927
6-28-98 05:00	0.0	493	518
6-28-98 06:00	0.0	445	486
6-28-98 07:00	0.0	418	452
6-28-98 08:00	0.0	399	429
6-28-98 09:00	0.0	383	412
6-28-98 10:00	0.0	371	398
6-28-98 11:00	0.0	359	385
6-28-98 12:00	0.0	350	374
6-28-98 13:00	0.0	340	365
6-28-98 14:00	0.0	332	356
6-28-98 15:00	0.0	324	348
6-28-98 16:00	0.0	316	341
6-28-98 17:00	0.0	309	334
6-28-98 18:00	0.0	303	327
6-28-98 19:00	0.0	296	319
6-28-98 20:00	0.0	290	312
6-28-98 21:00	0.0	284	307
6-28-98 22:00	0.0	279	301
6-28-98 23:00	0.0	274	298
6-29-98 00:00	0.0	270	294
6-29-98 01:00	0.0	266	289
6-29-98 02:00	0.0	262	285
6-29-98 03:00	0.0	256	280
6-29-98 04:00	0.0	476	494
6-29-98 05:00	0.0	435	486
6-29-98 06:00	0.0	1000	962
6-29-98 07:00	0.0	1093	1023
6-29-98 08:00	0.0	886	1022
6-29-98 09:00	0.0	924	1133
6-29-98 10:00	0.0	822	988
6-29-98 11:00	0.0	1009	986
6-29-98 12:00	0.0	1031	1110
6-29-98 13:00	0.0	1413	1488
6-29-98 14:00	0.0	1624	1663
6-29-98 15:00	0.0	1695	1579
6-29-98 16:00	0.0	1693	1672
6-29-98 17:00	0.0	1569	1579
6-29-98 18:00	0.0	1259	1228
6-29-98 19:00	0.0	1493	1545
6-29-98 20:00	0.0	1611	1614
6-29-98 21:00	0.0	1658	1652
6-29-98 22:00	0.0	1341	1227
6-29-98 23:00	0.0	1182	1189
6-30-98 00:00	0.0	1154	1140

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FROM 01/01/98 00:00 TO 06/30/98 23:59

Date/ Time	Opacity %	<i>METER</i> <i>Down</i>	
		Cell 1 F	Cell 2 F
6-30-98 01:00	0.0	991	1124
6-30-98 02:00	0.0	1064	1189
6-30-98 03:00	0.0	1207	1296
6-30-98 04:00	0.0	1472	1444
6-30-98 05:00	0.0	1697	1637
6-30-98 06:00	0.0	1626	1577
6-30-98 07:00	0.0	1646	1560
6-30-98 08:00	0.0	1584	1571
6-30-98 09:00	0.0	1620	1586
6-30-98 10:00	0.0	1653	1500
6-30-98 11:00	0.0	1367	1382
6-30-98 12:00	0.0	1457	1388
6-30-98 13:00	0.0	1379	1414
6-30-98 14:00	0.0	1461	1531
6-30-98 15:00	0.0	1460	1399
6-30-98 16:00	0.0	1149	1238
6-30-98 17:00	0.0	1319	1394
6-30-98 18:00	0.0	1381	1423
6-30-98 19:00	0.0	1321	1389
6-30-98 20:00	0.0	1231	1369
6-30-98 21:00	0.0	1494	1554
6-30-98 22:00	0.0	1330	1310
6-30-98 23:00	0.0	1498	1471

