Table 1. Groundwater-Level Data for Alluvial and Miocene Aquifers (July 2011) (BASF Corporation, McIntosh, Alabama)								
Well Number	Elevation of Measuring Point (feet NGVD)	Date	Time	Measured By	Discharge Rate Q (gpm)	PSI	Depth to Water Surface (feet)	Elevation of Water Surface (feet NGVD)
ALLUVIAL WELLS								
WP-1	56.71	07/27/11	1111	THB	-	-	41.10	15.61
WP-2	56.11	07/27/11	1112	THB	-	-	40.58	15.53
WP-4	57.76	07/26/11	1209	THB	-	-	43.65	14.11
WP-5A	41.78	07/27/11	1312	THB			30.49	11.29
WP-7	42.60	07/27/11	1118	THB	-	-	24.31	18.29
WP-8	41.52	07/27/11	1132	THB	-	-	24.72	16.80
WP-11	39.15	07/27/11	1256	THB	-	-	27.30	11.85
WP-12	35.78	07/27/11	1357	THB	-	-	22.20	13.58
SW-1	57.17	07/26/11	1020	THB	-	-	41.30	15.87
SW-2 (M-1)	42.62	07/26/11	1012	THB	-	-	22.12	20.50
SW-3	44.56	07/26/11	1249	THB	-	-	32.43	12.13
M-2	39.08	07/27/11	1129	THB	-	-	21.19	17.89
M-3	44.95	07/27/11	1310	THB	-	-	33.48	11.47
M-4	29.73	07/27/11	1302	THB	-	-	19.64	10.09
M-5	33.60	07/27/11	1332	THB	-	-	25.21	8.39
M-6	38.38	07/26/11	1339	THB	-	-	30.56	7.82
M-7	54.63	07/27/11	1250	THB	-	-	46.02	8.61
M-8	52.91	07/27/11	1245	THB	-	-	42.87	10.04
M-9	37.50	07/26/11	1404	THB	-	-	27.26	10.24
M-10	35.42	07/27/11	1232	THB	-	-	24.91	10.51
M-11	28.44	07/27/11	1227	THB	-	-	15.38	13.06
M-12	43.81	07/26/11	1317	THB	-	-	37.31	6.50
M-13	31.10	07/27/11	1225	THB	-	-	7.46	23.64
M-14	30.42	07/27/11	1213	THB	-	-	12.61	17.81
M-15	31.31	07/27/11	1209	THB	-	-	17.45	13.86
OW-1	56.71	07/26/11	1432	THB	-	-	33.93	22.78
OW-2	52.58	07/26/11	1425	THB	-	-	41.02	11.56
OW-3	54.57	07/26/11	1430	THB	-	-	42.22	12.35
OW-4	50.17	07/27/11	1320	THB	-	-	38.99	11.18
OW-5A	50.54	07/27/11	1315	THB	-	-	38.30	12.24
OW-6	34.27	07/27/11	1339	THB	-	-	25.30	8.97
OW-7	29.97	07/26/11	1322	THB	-	-	24.61	5.36
OW-8	36.39	07/26/11	1310	THB	-	-	28.70	7.69
OW-10	54.97	07/26/11	1024	THB	-	-	41.81	13.16
OW-11	48.38	07/26/11	1245	THB	-	-	35.85	12.53
PW-1	45.81	07/26/11	1312	THB	52	24	46.75	-0.94
PW-2	32.59	07/26/11	1325	THB	174	50	40.46	-7.87
PW-3	40.99	07/26/11	1231	THB	122	83	33.86	7.13

Table 1. Groundwater-Level Data for Alluvial and Miocene Aquifers (July 2011) (BASF Corporation, McIntosh, Alabama)								
Well Number	Elevation of Measuring Point (feet NGVD)	Date	Time	Measured By	Discharge Rate Q (gpm)	PSI	Depth to Water Surface (feet)	Elevation of Water Surface (feet NGVD)
PW-4	46.98	07/26/11	1220	THB	53	18	40.36	6.62
PW-5	41.34	07/27/11	1036	THB	55	32	31.06	10.28
PW-6	50.42	07/26/11	1253	THB	197	152	41.60	8.82
PW-7	52.41	07/26/11	1258	THB	165	32	50.56	1.85
PW-8	53.60	07/26/11	1423	THB	110	36	71.00	-17.40
PW-8A	54.41	07/26/11	1420	THB	-	-	42.52	11.89
PW-9	45.48	07/26/11	1343	THB	120	114	51.60	-6.12
PW-10	43.47	07/26/11	1226	THB	53	18	41.46	2.01
PW-10B	35.24	07/27/11	1335	THB	-	-	26.55	8.69
CA-1	53.69	07/26/11	1251	THB	-	-	41.88	11.81
CA-2	33.18	07/26/11	1237	THB	-	-	23.61	9.57
CA-3	37.74	07/26/11	1307	THB	-	-	29.95	7.79
CA-4A	17.96	07/26/11	1353	THB	-	-	13.15	4.81
MW-1	36.03	07/27/11	1124	THB	-	-	21.23	14.80
MW-2	44.88	07/27/11	1306	THB	-	-	33.81	11.07
MW-3	36.29	07/27/11	1333	THB	-	-	27.96	8.33
MW-4	40.29	07/27/11	1337	THB	-	-	32.42	7.87
MW-5	56.16	07/27/11	1252	THB	-	-	47.60	8.56
MW-6	40.49	07/26/11	1403	THB	-	-	30.42	10.07
MW-7	36.83	07/27/11	1234	THB	-	-	26.23	10.60
MW-8	32.48	07/27/11	1230	THB	-	-	21.76	10.72
MW-9A	29.98	07/27/11	1344	THB	-	-	20.00	9.98
MW-10A	32.88	07/27/11	1327	THB	-	-	25.80	7.08
MW-11	43.21	07/26/11	1319	THB	-	-	36.55	6.66
MW-12A	34.43	07/27/11	1159	THB	-	-	21.49	12.94
PL-1	43.33	07/27/11	1201	THB	-	-	30.71	12.62
PL-2	45.86	07/27/11	1204	THB	-	-	33.45	12.41
PL-3	29.84	07/27/11	1216	THB	-	-	6.00	23.84
PL-4	30.72	07/27/11	1154	THB	-	-	17.80	12.92
PL-6S	29.45	07/27/11	1218	THB	-	-	5.33	24.12
PL-6D	29.51	07/27/11	1219	THB	-	-	17.69	11.82
PL-7S	28.25	07/27/11	1222	THB	-	-	3.10	25.15
PL-8S	29.71	07/27/11	1211	THB	-	-	15.35	14.36
PZ-9	50.53	07/27/11	1150	THB	-	-	40.00	10.53
TPZ-5	21.87	07/27/11	1239	THB	-	-	13.41	8.46
TPZ-6	11.37	07/27/11		THB	-	-	CNA	
TPZ-7	25.05	07/26/11	1357	THB	-	-	20.25	4.80
TPZ-8	44.09	07/26/11	1348	THB	-	-	40.75	3.34
TPZ-9	44.19	07/26/11	1315	THB	-	-	38.31	5.88
TPZ-10	27.38	07/27/11	1248	THB	-	-	18.57	8.81
TPZ-12	27.45	07/26/11	1400	THB	-	-	20.10	7.35
TPZ-13	50.62	07/26/11	1349	THB	-	-	44.59	6.03

Table 1. Groundwater-Level Data for Alluvial and Miocene Aquifers (July 2011)

(BASF Corporation, McIntosh, Alabama)

Well Number	Elevation of Measuring Point (feet NGVD)	Date	Time	Measured By	Discharge Rate Q (gpm)	PSI	Depth to Water Surface (feet)	Elevation of Water Surface (feet NGVD)
UPPER MIOCENE WELLS								
MD-1	41.49	07/26/11	1009	THB			53.19	-11.70
MD-2	38.05	07/26/11	1340	THB	-	-	57.82	-19.77
MD-3B	44.01	07/26/11	1247	THB			76.60	-32.59
MD-4	36.81	07/26/11	1405	THB	-	-	55.48	-18.67
MD-5	42.31	07/26/11	1411	THB	-	-	60.72	-18.41
MD-6	34.92	07/26/11	1236	THB	-	-	60.26	-25.34
MD-7	35.61	07/26/11	1305	THB			58.52	-22.91
MD-8	42.26	07/26/11	1330	THB			68.22	-25.96
MD-9	29.76	07/26/11	1324	THB			53.19	-23.43
MD-10	39.85	07/26/11	1334	THB			62.35	-22.50
PZD-5	31.10	07/27/11	1239	THB	-	-	CNA	
PZD-6	40.25	07/27/11		THB	-	-	CNA	
WW-1	57.33	07/26/11	1030	THB	-	-	91.00	-33.67
WW-2	57.24	07/26/11	1038	THB	-	-	83.26	-26.02
WW-3	55.15	07/26/11	1211	THB	-	-	79.73	-24.58
WW-7	49.15	07/26/11	1046	THB	-	-	80.29	-31.14
WW-8	54.95	07/26/11	1051	THB	-	-	74.74	-19.79
WW-8A	50.97	07/26/11	954	THB	-	-	61.88	-10.91
MD-11	20.26	07/26/11	1352	THB	-	-	39.31	-19.05
MD-12	20.30	07/26/11	1355	THB			41.60	-21.30

BMP: below measuring point (measuring point is in feet NGVD , which is 2.15 feet above BASF datum)
Q: discharge rate of pumping well (gallons per minute)
PSI: pumping pressure (pounds per square inch)
THB: Redd Baldwin for BASF

CNA1 Well was dry
CNA2 Water was high, unable to access

TABLE 2. July 2011 Groundwater Monitoring Results, BASF Corporation - McIntosh, AL

		Alluvial Aquifer Wells																											
		Background Wells			Point-of-Compliance Wells														Down-gradient Effectiveness Monitoring Wells							Corrective Action Monitoring Wells			
Constituent	**MCL*** (ug/l)	**M-1**	**M-2**	**MW-12A**	**OW-1**	**M-3**	**M-4**	**M-5**	**M-6**	**M-6 DUP**	**M-7**	**M-8**	**M-9**	**M-10**	**M-11**	**M-13**	**M-14**	**M-15**	**OW-2**	**OW-4**	**OW-6**	**M-12**	**MW-9A**	**MW-10A**	**MW-10A DUP**	**CA-1**	**CA-2**	**CA-3**	**CA-4A**
INORGANICS/METALS																													
Arsenic	50	nd0.5	nd0.5	8.7	nd0.5	49.7	20.4	12.6	31.2	30.5	nd0.5	nd0.5	nd0.5	nd0.5	1.1	2.2	7.9	7.0	nd0.5	0.77	**108**	**51.9**	**84.7**	30.7	32.9	21.7	3.5	0.7	20.4
Barium	200	31.6	44.2	12.8	25.1	73.5	18.9	68.6	88.5	86.5	19.3	49.0	95.9	57.5	83.8	166	71.6	76.3	32.2	**290**	145	52.2	33.6	91.2	94.2	92.1	114	38.9	**330**
Cadmium	5	nd0.08	0.10	nd0.08	nd0.08	nd0.08	nd0.08	nd0.08	nd0.08	nd0.08	nd0.08	nd0.08	nd0.08	nd0.08	nd0.08	nd0.08	nd0.08	nd0.08	nd0.08	0.29	nd0.08	nd0.08	nd0.08	nd0.08	nd0.08	nd0.08	nd0.08	0.096	nd0.08
Chromium	50	3.7	1.4	1.7	nd0.5	2.9	nd0.5	1.2	1.6	1.6	1.0	1.3	1.8	16.4	0.74	0.72	4.8	10.3	0.52	0.85	nd0.5	nd0.5	nd0.5	nd0.5	nd0.5	4.6	5	0.68	2.1
Cobalt	2200	4.2	4.1	10.2	9.5	166	6.5	nd0.5	nd0.5	nd0.5	4.0	2.7	7.6	5.0	6.4	6.4	4.4	3.8	2.2	45.4	15.1	nd0.5	13.0	1.5	1.5	14.8	5.5	1.7	nd0.5
Cyanide	200	nd10	nd10	nd10	nd10	nd10	nd10	nd10	48.7	21.2	28.4	nd10	13.3	nd10	nd10	nd10	nd10	nd50	nd10	nd10	nd10	nd10	nd10	nd10	nd10	nd10	nd10	nd10	nd10
Lead	15	0.11	0.11	1.4	0.22	3.0	1.8	0.18	0.30	0.30	0.12	nd0.1	nd0.1	0.22	0.53	0.5	6.7	**64.9**	nd0.1	1.4	0.30	4.0	0.47	nd0.1	nd0.1	5.9	4.6	0.19	nd0.5
Mercury	2	nd0.2	nd0.2	nd0.2	nd0.2	nd0.2	nd0.2	nd0.2	nd0.2	nd0.2	nd0.2	nd0.2	nd0.2	nd0.2	nd0.2	nd0.2	nd0.2	nd0.2	nd0.2	0.472	nd0.2	nd0.2	nd0.2	nd0.2	nd0.2	0.322	nd0.2	nd0.2	nd0.2
Selenium	50	nd0.5	nd0.5	nd0.5	nd0.5	3.0	nd0.5	nd0.5	nd0.5	nd0.5	nd0.5	nd0.5	nd0.5	nd0.5	nd0.5	nd0.5	nd0.5	4.3	nd0.5	nd0.5	nd0.5	nd0.5	nd0.5	nd0.5	nd0.5	1.6	1.2	nd0.5	nd0.5
Silver	180	nd0.5	nd0.5	nd0.5	nd0.5	nd0.5	nd0.5	nd0.5	nd0.5	nd0.5	nd0.5	nd0.5	nd0.5	nd0.5	nd0.5	nd0.5	nd0.5	nd0.5	nd0.5	nd0.5	nd0.5	nd0.5	nd0.5	nd0.5	nd0.5	nd0.5	nd0.5	nd0.5	nd0.5
Strontium	22000	7.5	8.1	25	9.2	101	8.8	59.4	65.5	64.6	4.0	10.1	15.9	17.7	15.6	13.9	8.7	8.0	2.8	46.4	139	38.5	27.0	68.9	71.2	15.4	59.2	13.4	609
Thallium	2	nd0.1	nd0.1	nd0.1	nd0.1	nd0.1	nd0.1	nd0.1	nd0.1	nd0.1	nd0.1	nd0.1	nd0.1	nd0.1	nd0.1	nd0.1	nd0.1	nd0.1	nd0.1	nd0.1	nd0.1	nd0.1	nd0.1	nd0.1	nd0.1	nd0.1	nd0.1	nd0.1	nd0.1
HERBICIDES/PESTICIDES																													
4,4'-DDD	0.28	nd0.011	nd0.01	nd0.01	nd0.011	nd0.01	nd0.011	nd0.011	nd0.011	nd0.011	nd0.011	nd0.011	nd0.011	nd0.01	nd0.011	nd0.01	nd0.011	nd0.011	**6**	nd0.01	nd0.011	nd0.01	nd0.011	nd0.01	nd0.011	nd0.0099	nd0.011	nd0.011	nd0.011
4,4'-DDE*	0.011	nd0.011	nd0.01	nd0.01	nd0.011	nd0.01	nd0.011	nd0.011	nd0.011	nd0.011	nd0.011	nd0.011	nd0.011	nd0.01	nd0.011	nd0.01	nd0.011	nd0.011	**4.1**	nd0.01	nd0.011	nd0.01	nd0.011	nd0.01	nd0.011	nd0.0099	nd0.011	nd0.011	nd0.011
4,4'-DDT	0.20	nd0.011	nd0.01	nd0.01	nd0.011	nd0.01	nd0.011	nd0.011	nd0.011	nd0.011	nd0.011	nd0.011	nd0.011	nd0.01	nd0.011	nd0.01	nd0.011	nd0.011	**25.2**	nd0.01	nd0.011	nd0.01	nd0.011	nd0.01	nd0.011	nd0.0099	nd0.011	nd0.011	nd0.011
alpha-BHC	0.11	nd0.011	nd0.01	nd0.01	nd0.011	0.077	nd0.011	nd0.011	nd0.011	nd0.011	nd0.011	nd0.011	nd0.011	nd0.01	nd0.011	nd0.01	nd0.011	nd0.011	0.10	**0.13**	0.11	nd0.01	nd0.011	0.090	0.073	nd0.0099	nd0.011	nd0.011	nd0.011
beta-BHC	0.037	nd0.011	nd0.01	nd0.01	nd0.011	**0.31**	nd0.011	nd0.011	nd0.011	nd0.011	nd0.011	nd0.011	nd0.011	nd0.01	nd0.011	nd0.01	nd0.011	nd0.011	0.022	**0.23**	nd0.011	nd0.01	0.016	nd0.01	nd0.011	nd0.0099	nd0.011	nd0.011	nd0.011
Chlorobenzilate	0.002	nd0.11	nd0.1	nd0.1	nd0.11	nd0.1	nd0.11	nd0.11	nd0.11	nd0.11	nd0.11	nd0.11	nd0.11	nd0.1	nd0.11	nd0.1	nd0.11	nd0.11	nd0.11	nd0.1	**0.20**	nd0.1	nd0.11	nd0.1	nd0.11	nd0.099	nd0.11	nd0.11	nd0.11
delta-BHC*	0.011	nd0.011	nd0.01	nd0.01	nd0.011	**0.074**	nd0.011	nd0.011	nd0.011	nd0.011	nd0.011	nd0.011	nd0.011	nd0.01	nd0.011	nd0.01	nd0.011	nd0.011	nd0.011	**0.97**	**0.021**	nd0.01	nd0.011	nd0.01	nd0.011	nd0.0099	nd0.011	nd0.011	nd0.011
gamma-BHC (Lindane)	0.20	nd0.011	nd0.01	nd0.01	nd0.011	nd0.01	nd0.011	nd0.011	nd0.011	nd0.011	nd0.011	nd0.011	nd0.011	nd0.01	nd0.011	nd0.01	nd0.011	nd0.011	0.039	0.07	nd0.011	nd0.01	nd0.011	nd0.01	nd0.011	nd0.0099	nd0.011	nd0.011	nd0.011
PAH/SVOC																													
Aniline	12	nd5.3	nd5.3	nd5.1	nd5.4	nd5.0	nd5.4	nd5.3	nd5.5	nd5.6	nd5.3	nd5.2	nd5.4	nd5.3	nd5.2	nd5.4	nd5.2	nd5.5	nd5.2	nd5.1	nd5.3	nd5.1	nd5.4	nd5.5	nd5.6	nd4.9	nd5.5	nd5.4	nd5.5
1,2-Diphenylhydrazine	0.084	nd5.3	nd5.3	nd5.1	nd5.4	nd5.0	nd5.4	nd5.3	nd5.5	nd5.6	nd5.3	nd5.2	nd5.4	nd5.3	nd5.2	nd5.4	nd5.2	nd5.5	nd5.2	nd5.1	nd5.3	nd5.1	nd5.4	nd5.5	nd5.6	nd4.9	nd5.5	nd5.4	**8.6**
Nitrobenzene	0.35	nd4.3	nd4.2	nd4.1	nd4.3	nd4.0	nd4.3	nd4.2	nd4.4	nd4.5	nd4.2	nd4.2	nd4.3	nd4.2	nd4.1	nd4.3	nd4.1	nd4.4	nd4.2	nd4.1	nd4.3	nd4.1	nd4.3	nd4.4	nd4.4	nd4.0	nd4.4	nd4.3	nd4.4
N-Nitrosodiphenylamine	14	nd5.3	nd5.3	nd5.1	nd5.4	nd5.0	nd5.4	nd5.3	nd5.5	nd5.6	nd5.3	nd5.2	nd5.4	nd5.3	nd5.2	nd5.4	nd5.2	nd5.5	nd5.2	nd5.1	nd5.3	nd5.1	nd5.4	nd5.5	nd5.6	nd4.9	nd5.5	nd5.4	nd5.5
Phenol	2200	nd5.3	nd5.3	nd5.1	nd5.4	nd5.0	nd5.4	nd5.3	nd5.5	nd5.6	nd5.3	nd5.2	nd5.4	nd5.3	nd5.2	nd5.4	nd5.2	nd5.5	nd5.2	nd5.1	nd5.3	nd5.1	nd5.4	nd5.5	nd5.6	nd4.9	nd5.5	nd5.4	nd5.5
Benzo(b)fluoranthene	0.092	nd0.1	nd0.1	nd0.1	nd0.1	nd0.1	nd0.1	nd0.1	nd0.1	nd0.1	nd0.1	nd0.1	nd0.1	nd0.1	nd0.1	nd0.1	nd0.1	nd0.1	nd0.1	nd0.1	nd0.1	nd0.1	nd0.1	nd0.1	nd0.1	nd0.1	nd0.1	nd0.1	nd0.1
Benzo(k)fluoranthene	0.92	nd4.3	nd4.2	nd4.1	nd4.3	nd4.0	nd4.3	nd4.2	nd4.4	nd4.5	nd4.2	nd4.2	nd4.3	nd4.2	nd4.1	nd4.3	nd4.1	nd4.4	nd4.2	nd4.1	nd4.3	nd4.1	nd4.3	nd4.4	nd4.4	nd4.0	nd4.4	nd4.3	nd4.4
Naphthalene	0.65	nd0.1	nd0.1	nd0.1	nd0.1	nd0.1	nd0.1	nd0.1	nd0.1	nd0.1	nd0.1	nd0.1	nd0.1	nd0.1	nd0.1	nd0.1	0.54	nd0.1	nd0.1	nd0.1	nd0.1	nd0.1	nd0.1	nd0.1	nd0.1	nd0.1	nd0.1	nd0.1	**0.740**
VOCs																													
Benzene	5	nd0.5	nd0.5	nd0.5	nd0.5	nd0.5	nd0.5	nd0.5	nd0.5	nd0.5	nd0.5	nd0.5	nd0.5	nd0.5	nd0.5	nd0.5	nd0.5	nd0.5	**6.50**	nd0.5	nd2.5	nd0.5	nd0.5	nd0.5	nd0.5	nd0.5	nd0.5	nd0.5	**59.6**
Carbon Disulfide	1000	nd1	nd1	nd1	nd1	nd1	nd1	nd1	nd1	nd1	nd1	nd1	nd1	nd1	nd1	nd1	nd1	nd1	nd5	nd1	nd5	nd1	nd1	nd1	nd1	nd1	nd1	nd1	nd10
Carbon tetrachloride	5	nd0.5	nd0.5	nd0.5	1.09	nd0.5	nd0.5	nd0.5	nd0.5	nd0.5	nd0.5	nd0.5	nd0.5	nd0.5	nd0.5	nd0.5	nd0.5	nd0.5	**6.60**	4.44	nd2.5	nd0.5	nd0.5	nd0.5	nd0.5	nd0.5	nd0.5	nd0.5	nd5
Chlorobenzene	100	nd0.5	nd0.5	nd0.5	33.6	nd0.5	nd0.5	nd0.5	1.96	1.76	nd0.5	nd0.5	nd0.5	nd0.5	nd0.5	nd0.5	nd0.5	nd0.5	**578**	nd0.5	**358**	0.620	nd0.5	0.570	0.51	nd0.5	nd0.5	nd0.5	**1690**
Chloroethane	3.6	nd0.5	nd0.5	nd0.5	nd0.5	nd0.5	nd0.5	nd0.5	nd0.5	nd0.5	nd0.5	nd0.5	nd0.5	nd0.5	nd0.5	nd0.5	nd0.5	nd0.5	nd2.5	nd0.5	nd2.5	nd0.5	nd0.5	nd0.5	nd0.5	nd0.5	nd0.5	nd0.5	nd5
Chloroform	100	nd0.5	nd0.5	nd0.5	nd0.5	nd0.5	nd0.5	nd0.5	nd0.5	nd0.5	nd0.5	2.69	nd0.5	nd0.5	nd0.5	nd0.5	nd0.5	nd0.5	nd2.5	1.88	nd2.5	nd0.5	nd0.5	nd0.5	nd0.5	nd0.5	nd0.5	nd0.5	nd5
Chloroprene	MDL	nd1	nd1	nd1	nd1	nd1	nd1	nd1	nd1	nd1	nd1	nd1	nd1	nd1	nd1	nd1	nd1	nd1	nd5	nd1	nd5	nd1	nd1	nd1	nd1	nd1	nd1	nd1	nd10
cis-1,2-Dichloroethene	70	nd1	nd1	nd1	nd1	nd1	nd1	nd1	nd1	nd1	nd1	nd1	nd1	nd1	nd1	nd1	nd1	nd1	nd5	nd1	nd5	nd1	nd1	nd1	nd1	nd1	nd1	nd1	nd10
1,4-Dichlorobenzene	75	nd0.5	nd0.5	nd0.5	1.64	nd0.5	nd0.5	nd0.5	0.640	0.610	nd0.5	nd0.5	nd0.5	nd0.5	nd0.5	nd0.5	nd0.5	nd0.5	7.4	nd0.5	16.1	nd0.5	nd0.5	nd0.5	nd0.5	nd0.5	nd0.5	nd0.5	nd5
1,1-Dichloroethene	7	nd0.5	nd0.5	nd0.5	nd0.5	nd0.5	nd0.5	nd0.5	nd0.5	nd0.5	nd0.5	0.760	1.89	nd0.5	nd0.5	nd0.5	nd0.5	nd0.5	nd2.5	0.6	nd2.5	nd0.5	nd0.5	nd0.5	nd0.5	nd0.5	nd0.5	nd0.5	nd5
Trichloroethylene	5	nd0.5	nd0.5	nd0.5	nd0.5	nd0.5	nd0.5	nd0.5	nd0.5	nd0.5	nd0.5	nd0.5	nd0.5	nd0.5	nd0.5	nd0.5	nd0.5	nd0.5	nd2.5	nd0.5	nd2.5	nd0.5	nd0.5	nd0.5	nd0.5	nd0.5	nd0.5	nd0.5	nd5
1,1,1-Trichloroethane	200	nd0.5	0.61	nd0.5	nd0.5	nd0.5	nd0.5	nd0.5	nd0.5	nd0.5	nd0.5	nd0.5	nd0.5	nd0.5	nd0.5	nd0.5	nd0.5	nd0.5	nd2.5	nd0.5	nd2.5	nd0.5	nd0.5	nd0.5	nd0.5	nd0.5	nd0.5	nd0.5	nd5
1,2,4-Trimethylbenzene	1.2	nd1	nd1	nd1	nd1	nd1	nd1	nd1	nd1	nd1	nd1	nd1	nd1	nd1	nd1	nd1	nd1	nd1	nd5	nd1	nd5	nd1	nd1	nd1	nd1	nd1	nd1	nd1	nd10
Toluene	1000	nd0.5	nd0.5	nd0.5	nd0.5	nd0.5	nd0.5	nd0.5	nd0.5	nd0.5	nd0.5	nd0.5	nd0.5	nd0.5	nd0.5	nd0.5	nd0.5	nd0.5	nd2.5	nd0.5	nd2.5	nd0.5	nd0.5	nd0.5	nd0.5	nd0.5	nd0.5	nd0.5	nd5
m&p-xylene	MDL	nd1	nd1	nd1	nd1	nd1	nd1	nd1	nd1	nd1	nd1	nd1	nd1	nd1	nd1	nd1	nd1	nd1	nd5	nd1	nd5	nd1	nd1	nd1	nd1	nd1	nd1	nd1	nd10
Methyl Ethyl Ketone	1900	nd2	nd2	nd2	nd2	nd2	nd2	nd2	nd2	nd2	nd2	nd2	nd2	nd2	nd2	nd2	nd2	nd2	nd10	nd2	nd10	nd2	nd2	nd2	nd2	nd2	nd2	nd2	nd20
trans-1,2-Dichloroethene	100	nd0.5	nd0.5	nd0.5	nd0.5	nd0.5	nd0.5	nd0.5	nd0.5	nd0.5	nd0.5	nd0.5	nd0.5	nd0.5	nd0.5	nd0.5	nd0.5	nd0.5	nd2.5	nd0.5	nd2.5	nd0.5	nd0.5	nd0.5	nd0.5	nd0.5	nd0.5	nd0.5	nd5
FIELD PARAMETERS																													
pH		4.79	4.62	5.16	4.91	5.79	5.25	6	5.65	5.65	4.63	4.81	4.63	4.72	4.65	4.57	4.49	4.25	4.3	4.23	6.13	6.15	5.33	5.66	5.66	4.66	4.87	4.89	6.37
Sp.Cond.		29	36	48	53	501	51	171	252	253	31	33	59	54	80	88	40	46	41	145	410	227	111	230	230	77	94	47	873
Feet NGVD		20.22	16.26	12.76	12.72	11.35	9.98	8.35	7.69	7.69	8.68	10.15	10.42	10.32	12.43	16.40	13.68	13.41	11.53	11.06	8.85	6.56	9.83	7.13	7.13	7.93	9.54	23.77	4.58
Temp.		20.4	21.9	23.1	23.4	22.9	22.7	22	24.2	24.2	22	22.9	21.8	22	21.4	21.3	22.1	22.9	23	21.4	21.2	20.3	21.6	20.9	20.9	20.8	20.1	20	22.8

Result Units = ug/l
* MDL is standard for 4,4-DDE and delta-BHC
WA: Well Abandoned (per permit)
nd: not detected at designated reporting limit
Bold Font: detected >MCL
Refer to chlorobenzene time-trend plots
Alluvial Aquifer Wells
Miocene Aquifer Wells

TABLE 2. July 2011 Groundwater Monitoring Results, BASF Corporation - McIntosh, AL

		Alluvial Corrective Action Pumping Wells											Miocene Monitoring Wells													Maximum Concentration	Maximum Concentration
		Corrective Action Recovery Wells											Background			Compliance	Boundary Monitoring				Point-of-Compliance Monitoring						
Constituent	**MCL*** (ug/l)	**PW-1**	**PW-2**	**PW-3**	**PW-4**	**PW-5**	**PW-6**	**PW-7**	**PW-8**	**PW-8 DUP**	**PW-9**	**PW-10**	**MD-1**	**MD-5**	**MD-5 DUP**	**MD-4**	**MD-3B**	**MD-6**	**MD-7**	**MD-8**	**MD-2**	**MD-2 DUP**	**MD-9**	**MD-11**	**MD-12**	**(Alluvial wells)**	**(Miocene wells)**
INORGANICS/METALS																											
Arsenic	50	31.1	**51.1**	40.8	37.8	20.4	6.0	2.2	nd0.5	nd0.5	10.9	38.9	8.8	2.1	2.0	nd0.5	nd0.5	nd0.5	nd0.5	**113**	nd0.5	nd0.5	nd0.5	1.5	nd0.5	**108**	**113**
Barium	200	65.4	69.1	87.2	56.6	**256**	102	140	35.2	35.0	96.0	98.3	9.3	25.6	25.7	8.3	73.6	155	**343**	143	21.0	21.2	**230**	33.8	10.4	**330**	**343**
Cadmium	5	nd0.08	nd0.08	0.084	nd0.08	0.16	0.091	0.21	nd0.08	nd0.08	nd0.08	nd0.08	nd0.08	nd0.08	nd0.08	nd0.08	nd0.08	nd0.08	nd0.08	nd0.08	nd0.08	nd0.08	nd0.08	nd0.08	nd0.08	0.29	ND
Chromium	50	nd0.5	nd0.5	0.65	nd0.5	nd0.5	1.3	0.73	2.4	2.3	nd0.5	0.55	nd0.5	1.1	0.94	1.2	nd0.5	1.6	0.61	nd0.5	nd0.5	nd0.5	nd0.5	0.88	3.9	16.4	3.9
Cobalt	2200	4.0	5.7	45.6	52.6	95.2	22.3	67.4	15.1	14.8	20.4	27.1	nd0.5	nd0.5	nd0.5	nd0.5	nd0.5	nd0.5	nd0.5	1.6	nd0.5	nd0.5	nd0.5	nd0.5	nd0.5	166	1.6
Cyanide	200	nd10	nd10	nd10	nd10	nd10	nd10	nd10	nd10	nd10	nd10	nd10	nd10	nd10	nd10	nd10	nd10	75.7	nd10	nd10	nd10	nd10	nd10	nd10	nd10	48.7	75.7
Lead	15	0.28	nd0.1	0.11	0.11	0.26	nd0.1	0.46	nd0.1	0.11	0.22	nd0.1	nd0.1	0.3	nd0.1	nd0.1	0.12	nd0.1	nd0.1	0.16	nd0.1	nd0.1	nd0.1	0.26	0.49	**64.9**	0.49
Mercury	2	nd0.2	nd0.2	nd0.2	nd0.2	nd0.2	nd0.2	nd0.2	nd0.2	nd0.2	nd0.2	nd0.2	nd0.2	nd0.2	nd0.2	nd0.2	nd0.2	nd0.2	nd0.2	nd0.2	nd0.2	nd0.2	nd0.2	nd0.2	nd0.2	0.472	ND
Selenium	50	nd0.5	nd0.5	nd0.5	1.8	0.77	nd0.5	1.3	nd0.5	nd0.5	1.1	nd0.5	nd0.5	nd0.5	nd0.5	nd0.5	nd0.5	nd0.5	nd0.5	nd0.5	nd0.5	nd0.5	nd0.5	nd0.5	0.53	4.3	0.53
Silver	180	nd0.5	nd0.5	nd0.5	nd0.5	nd0.5	nd0.5	nd0.5	nd0.5	nd0.5	nd0.5	nd0.5	nd0.5	nd0.5	nd0.5	nd0.5	nd0.5	nd0.5	nd0.5	nd0.5	nd0.5	nd0.5	nd0.5	nd0.5	nd0.5	ND	ND
Strontium	22000	61.5	32.6	67.1	52.4	81.9	44.7	64	10.2	10.1	33.4	47.3	54.3	179	177	33.6	3250	650	1440	174	95.4	94.4	433	154	52.1	609	3250
Thallium	2	nd0.1	nd0.1	nd0.1	nd0.1	nd0.1	nd0.1	nd0.1	nd0.1	nd0.1	nd0.1	nd0.1	nd0.1	nd0.1	nd0.1	nd0.1	nd0.1	nd0.1	nd0.1	nd0.1	nd0.1	nd0.1	nd0.1	nd0.1	nd0.1	ND	ND
HERBICIDES/PESTICIDES																											
4,4'-DDD	0.28	0.079	nd0.011	nd0.011	nd0.011	nd0.011	nd0.011	**0.50**	nd0.011	nd0.011	nd0.011	nd0.01	nd0.011	nd0.011	nd0.011	nd0.011	nd0.011	nd0.011	nd0.011	nd0.011	nd0.011	nd0.02	nd0.02	nd0.011	nd0.011	**6**	ND
4,4'-DDE*	0.011	nd0.011	nd0.011	**0.042**	nd0.011	nd0.011	nd0.011	**0.24**	nd0.011	nd0.011	nd0.011	nd0.01	nd0.011	nd0.011	nd0.011	nd0.011	nd0.011	nd0.011	nd0.011	nd0.011	nd0.011	nd0.02	nd0.02	nd0.011	nd0.011	**4.1**	ND
4,4'-DDT	0.20	nd0.011	nd0.011	nd0.011	nd0.011	nd0.011	nd0.011	**0.59**	nd0.011	nd0.011	nd0.011	nd0.01	nd0.011	nd0.011	nd0.011	nd0.011	nd0.011	nd0.011	nd0.011	nd0.011	nd0.011	nd0.02	nd0.02	nd0.011	nd0.011	**25.2**	ND
alpha-BHC	0.11	0.11	**0.23**	**0.15**	**0.19**	**0.14**	**0.12**	**0.72**	0.08	0.08	nd0.011	**0.25**	nd0.011	nd0.011	nd0.011	nd0.011	nd0.011	nd0.011	nd0.011	nd0.011	nd0.011	nd0.02	nd0.02	nd0.011	nd0.011	**0.72**	ND
beta-BHC	0.037	nd0.011	**0.36**	**0.48**	**0.43**	**0.82**	**0.16**	nd0.011	nd0.011	nd0.011	nd0.011	**1.0**	nd0.011	nd0.011	nd0.011	nd0.011	nd0.011	nd0.011	nd0.011	nd0.011	nd0.011	nd0.02	nd0.02	nd0.011	nd0.011	**1**	ND
Chlorobenzilate	0.002	nd0.11	nd0.11	nd0.11	nd0.11	nd0.11	nd0.11	**2.4**	nd0.11	nd0.11	nd0.11	nd0.1	nd0.11	nd0.11	nd0.11	nd0.11	nd0.11	nd0.11	nd0.11	nd0.11	nd0.11	nd0.2	nd0.2	nd0.11	nd0.11	**2.4**	ND
delta-BHC*	0.011	nd0.011	nd0.011	nd0.011	**0.41**	nd0.011	**0.98**	nd0.011	nd0.011	nd0.011	nd0.011	nd0.01	nd0.011	nd0.011	nd0.011	nd0.011	nd0.011	nd0.011	nd0.011	nd0.011	nd0.011	nd0.02	nd0.02	nd0.011	nd0.011	**0.98**	ND
gamma-BHC (Lindane)	0.20	nd0.011	nd0.011	nd0.011	nd0.011	nd0.011	nd0.011	**0.24**	0.052	0.052	nd0.011	nd0.01	nd0.011	nd0.011	nd0.011	nd0.011	nd0.011	nd0.011	nd0.011	nd0.011	nd0.011	nd0.02	nd0.02	nd0.011	nd0.011	**0.24**	ND
PAH/SVOC																											
Aniline	12	nd5.4	nd5.6	nd5.5	nd5.5	nd5.3	nd5.5	nd5.3	nd5.4	nd5.3	nd5.2	nd5.4	nd5.3	nd5.3	nd5.5	nd5.2	nd5.3	nd5.2	nd5.4	nd5.4	nd5.3	nd10	nd10	nd5.5	nd5.5	ND	ND
1,2-Diphenylhydrazine	0.084	nd5.4	nd5.6	nd5.5	nd5.5	nd5.3	nd5.5	nd5.3	nd5.4	nd5.3	nd5.2	nd5.4	nd5.3	nd5.3	nd5.5	nd5.2	nd5.3	nd5.2	nd5.4	nd5.4	nd5.3	nd10	nd10	nd5.5	nd5.5	**8.6**	ND
Nitrobenzene	0.35	nd4.3	nd4.5	nd4.4	nd4.4	nd4.3	nd4.4	nd4.3	nd4.3	nd4.3	nd4.2	nd4.3	nd4.2	nd4.3	nd4.4	nd4.2	nd4.3	nd4.2	nd4.3	nd4.3	nd4.2	nd8	nd8	nd4.4	nd4.4	ND	ND
N-Nitrosodiphenylamine	14	nd5.4	nd5.6	nd5.5	nd5.5	nd5.3	nd5.5	nd5.3	nd5.4	nd5.3	nd5.2	nd5.4	nd5.3	nd5.3	nd5.5	nd5.2	nd5.3	nd5.2	nd5.4	nd5.4	nd5.3	nd10	nd10	nd5.5	nd5.5	ND	ND
Phenol	2200	nd5.4	nd5.6	nd5.5	nd5.5	nd5.3	nd5.5	nd5.3	nd5.4	nd5.3	nd5.2	nd5.4	nd5.3	nd5.3	nd5.5	nd5.2	nd5.3	nd5.2	nd5.4	nd5.4	nd5.3	nd10	nd10	nd5.5	nd5.5	ND	ND
Benzo(b)fluoranthene	0.092	nd0.1	nd0.1	nd0.1	nd0.1	nd0.1	nd0.1	nd0.1	nd0.1	nd0.1	nd0.1	nd0.1	nd0.1	nd0.1	nd0.1	nd0.1	nd0.1	nd0.1	nd0.1	nd0.1	nd0.1	nd0.1	nd0.1	nd0.1	nd0.1	ND	ND
Benzo(k)fluoranthene	0.92	nd4.3	nd4.5	nd4.4	nd4.4	nd4.3	nd4.4	nd4.3	nd4.3	nd4.3	nd4.2	nd4.3	nd4.2	nd4.3	nd4.4	nd4.2	nd4.3	nd4.2	nd4.3	nd4.3	nd4.2	nd8	nd8	nd4.4	nd4.4	ND	ND
Naphthalene	0.65	nd0.1	nd0.1	nd0.1	nd0.1	nd0.1	nd0.1	0.1	nd0.1	nd0.1	nd0.1	nd0.1	nd0.1	nd0.1	nd0.1	nd0.1	nd0.1	nd0.1	nd0.1	nd0.1	nd0.1	nd0.1	nd0.1	**5.34**	nd0.1	**0.74**	**5.34**
VOCs																											
Benzene	5	nd0.5	2.54	nd0.5	nd0.5	nd0.5	2.7	**95.8**	1.42	1.22	2.79	nd0.5	nd0.5	nd0.5	nd0.5	nd0.5	1	nd0.5	nd1	nd0.5	nd5	4.15	nd0.5	**6.60**	**5.20**	**95.8**	**6.6**
Carbon Disulfide	1000	nd1	nd1	nd1	nd1	nd1	nd1	nd20	nd1	nd1	nd1	nd1	nd1	nd1	nd1	nd1	nd2	nd1	nd2	nd1	nd10	nd5	nd1	nd10	nd5	ND	ND
Carbon tetrachloride	5	nd0.5	nd0.5	**5.76**	2.22	**64.6**	**14.1**	**88.6**	**84.1**	**72.6**	nd0.5	1.49	nd0.5	nd0.5	nd0.5	nd0.5	nd1	nd0.5	nd1	nd0.5	nd5	nd2.5	nd0.5	nd5	nd2.5	**88.6**	ND
Chlorobenzene	100	1.73	7.69	**101**	nd0.5	0.58	73.2	**4530**	**110**	95.8	**156**	2.19	nd0.5	nd0.5	nd0.5	nd0.5	**375**	39.9	**202**	2.30	**712**	**694**	19.6	**1310**	**667**	**4530**	**1310**
Chloroethane	3.6	nd0.5	nd0.5	nd0.5	nd0.5	nd0.5	nd0.5	nd10	nd0.5	nd0.5	nd0.5	nd0.5	nd0.5	nd0.5	nd0.5	nd0.5	nd1	nd0.5	nd1	nd0.5	nd5	nd2.5	nd0.5	nd5	nd2.5	ND	ND
Chloroform	100	nd0.5	nd0.5	4.02	8.80	28.7	11.1	34.0	38.1	33.4	40.7	3.67	nd0.5	nd0.5	nd0.5	nd0.5	nd1	nd0.5	nd1	nd0.5	nd5	nd2.5	nd0.5	nd5	nd2.5	40.7	ND
Chloroprene	MDL	nd1	nd1	nd1	nd1	nd1	nd1	nd20	nd1	nd1	nd1	nd1	nd1	nd1	nd1	nd1	nd2	nd1	nd2	nd1	nd10	nd5	nd1	nd10	nd5	ND	ND
cis-1,2-Dichloroethene	70	nd1	nd1	nd1	nd1	nd1	nd1	nd20	nd1	nd1	nd1	nd1	nd1	nd1	nd1	nd1	nd2	nd1	nd2	nd1	nd10	nd5	nd1	nd10	nd5	ND	ND
1,4-Dichlorobenzene	75	nd0.5	1.66	4.34	nd0.5	nd0.5	1.2	70.4	5.3	4.54	5.68	nd0.5	nd0.5	nd0.5	nd0.5	nd0.5	nd1	1.91	4.8	nd0.5	nd5	3.15	1.36	11.1	nd2.5	70.4	11.1
1,1-Dichloroethene	7	nd0.5	nd0.5	nd0.5	nd0.5	nd0.5	nd0.5	nd10	nd0.5	nd0.5	**17**	nd0.5	nd0.5	nd0.5	nd0.5	nd0.5	nd1	nd0.5	nd1	nd0.5	nd5	nd2.5	nd0.5	nd5	nd2.5	**17**	ND
Trichloroethylene	5	nd0.5	nd0.5	nd0.5	nd0.5	nd0.5	nd0.5	nd10	nd0.5	nd0.5	nd0.5	nd0.5	nd0.5	nd0.5	nd0.5	nd0.5	nd1	nd0.5	nd1	nd0.5	nd5	nd2.5	nd0.5	nd5	nd2.5	ND	ND
1,1,1-Trichloroethane	200	nd0.5	nd0.5	nd0.5	nd0.5	nd0.5	nd0.5	nd10	nd0.5	nd0.5	nd0.5	nd0.5	nd0.5	nd0.5	nd0.5	nd0.5	nd1	nd0.5	nd1	nd0.5	nd5	nd2.5	nd0.5	nd5	nd2.5	0.61	ND
1,2,4-Trimethylbenzene	1.2	nd1	**1.23**	nd1	nd1	nd1	nd1	nd20	nd1	nd1	nd1	nd1	nd1	nd1	nd1	nd1	nd2	nd1	nd2	nd1	nd10	nd5	nd1	nd10	nd5	**1.23**	ND
Toluene	1000	nd0.5	nd0.5	nd0.5	nd0.5	nd0.5	nd0.5	nd10	nd0.5	nd0.5	nd0.5	nd0.5	nd0.5	nd0.5	nd0.5	nd0.5	nd1	nd0.5	nd1	nd0.5	nd5	nd2.5	nd0.5	nd5	nd2.5	ND	ND
m&p-xylene	MDL	nd1	nd1	nd1	nd1	nd1	nd1	nd20	nd1	nd1	nd1	nd1	nd1	nd1	nd1	nd1	nd2	nd1	nd2	nd1	nd10	nd5	nd1	nd10	nd5	ND	ND
Methyl Ethyl Ketone	1900	nd2	nd2	nd2	nd2	nd2	nd2	nd40	nd2	nd2	nd2	nd2	nd2	nd2	nd2	nd2	nd4	nd2	nd4	nd2	nd20	nd10	nd2	nd20	nd10	ND	ND
trans-1,2-Dichloroethene	100	nd0.5	nd0.5	nd0.5	nd0.5	nd0.5	nd0.5	nd10	nd0.5	nd0.5	nd0.5	nd0.5	nd0.5	nd0.5	nd0.5	nd0.5	nd1	nd0.5	nd1	nd0.5	nd5	nd2.5	nd0.5	nd5	nd2.5	ND	ND

FIELD PARAMETERS																									
pH		5.96	5.75	5.61	5.86	5.49	4.67	4.34	4.93	4.93	5.17	5.61	7.95	7.23	7.23	6.21	6.5	6.24	6.6	6.36	6.45	6.45	6.12	6.61	6.25
Sp.Cond.		258	259	230	259	259	107	158	54	54	161	252	221	196	196	151	1136	585	801	258	238	238	690	281	166
Feet NGVD		-2.09	-7.83	11.48	6.27	12.41	3.55	1.93	-17.60	-17.60	-6.23	2.30	-12.93	-19.71	-19.71	-19.90	-32.66	-26.23	-24.38	-25.97	-19.90	-19.90	-23.64	-19.31	-21.62
Temp.		19.8	20.8	20.8	21.6	21.7	21.1	22.1	21.5	21.5	21.7	21.2	20.7	21.4	21.4	21.2	22.2	22.3	21.7	22.5	22.8	22.8	21.1	21.4	21.3

Result Units = ug/l
* MDL is standard for 4,4-DDE and delta-BHC
WA: Well Abandoned (per permit)
nd: not detected at designated reporting limit
Bold Font: detected >MCL
Refer to chlorobenzene time-trend plots
Alluvial Aquifer Wells
Miocene Aquifer Wells