I.1
1/25/99

ILLINOIS ENVIRONMENTAL PROTECTION AGENCY

1021 North Grand Avenue East, P.O. Box 19276, Springfield, Illinois 62794-9276 Mary A. Gade, Director
(217)524-1663

US EPA RECORDS CENTER REGION 5
486297

Assigned 2/9 TO K. Turner

January 25, 1999

Mr. Bill Bolen
Chief, Response Section II
Emergency Response Branch
United States Environmental Protection Agency
77 West Jackson Street
Chicago, Illinois 60604-3590

Dear Mr. Bolen:

I am writing to request that the Region 5 Offices of the United States Environmental Protection Agency consider the assignment of an On-Scene Coordinator to the Swift Ag Chemical site located near Fairmont City, Illinois.

The Swift Ag Chemical site was used for the production of fertilizer from 1931 until 1991. Currently the property is owned by Vigoro Industries but it is not used for industrial purposes.

Illinois EPA conducted a CERCLA Site Team Evaluation Prioritization inspection in 1996. Based on the information collected during this inspection a documented the presence of hazardous materials on the 10 acre Swift Ag Chemical property. Analytical data from soil, sediment, and groundwater samples document a release to the groundwater and surface water pathway. Contaminants found in the soil on the Swift Ag Chemical property appear to be attributable to the facility. Although the level of contamination is known within the surface water pathway additional analytical information may be necessary to determine whether contaminants require removal activities. The analytical results from the 1996 investigation are attached.

Both solid and liquid raw material were used in the granulation process for fertilizer formation. Raw materials used in fertilizer production include potash, anhydrous ammonia, sulfuric acid, and phosphoric acid. Pesticides were also incorporated in the finished product although specific brand information is currently not available for this report. Waste deposition from site operations included waste water from the wet scrubber dumped into the former settling basin. This waste water contained a slurry of fertilizer which was deposited into the settling basin until it was filled. Once the settling basin became full, a concrete reservoir, estimated to be 1,000 gallons, was used to store waste material. Once the reservoir was filled it was no longer used and remained full at the time of the 1996 CERLCA investigation.

As always, the Illinois EPA will provide any assistance to U.S. EPA regarding this matter. Thank you for the consideration and we look forward to working with U.S. EPA in this and future removal activities. We hope to hear back from you soon.

Sincerely,

Bruce Everetts
Site Assessment Unit
Federal Site Remediation Section
Division of Remediation Management
Bureau of Land

w/ attachment

bcc: Brad Taylor, IL EPA, Springfield, w/o attachments
Division File, w/o attachments
Kent Johnson, IL EPA, Champaign, w/o attachments

SITE NAME: SWIFT AG CHEMICAL
ILD 059995433

TABLE 2.0
SURFACE SOIL AND GROUNDWATER SAMPLE SUMMARY

SAMPLING POINT*	X101*	X102	X103	X104	G101	G102	G103	G104	G105	FIELD BLANK	TRIP BLANK
PARAMETER											
VOLATILES (PPB or ug/L)											
Ethylbenzene	–	–		–	–	–	–	–	3.0 J	–	–
Xylene(total)	–	–	–	–	3.3 J	–	–	–	–	–	–
SEMI-VOLATILES (PPB or ug/L)											
Phenol	–	–	42.0 J	–	0.6 J	–	3.6 J	–	–	0.6 J	
4-Methylphenol	–	94.0 J	–	65.0 J	–	–	–	–	–	–	
2-Nitrophenol	–	–	–	–	–	–	–	3.6 J	–	–	
2,4-Dichlorophenol	100.0 J	94.0 J	42.0 J	58.0 J	–	–	1.0 J	–	–	–	
1,2,4-Trichlorobenzene	–	–	54.0 J	–	–	–	–	–	–	–	
Naphthalene	48.0 J	120.0 J	110.0 J	70.0 J	5.9 J	3.0 J	–	–	–	–	
4-Chloro-3-Methylphenol	–	60.0 J	–	40.0 J	–	–	–	–	–	–	
2-Methylnaphthalene	54.0 J	130.0 J	98.0 J	77.0 J	12.0	8.0 J	–	–	–	–	
2,4,6-Trichlorophenol	55.0 J	–	–	–	–	–	–	–	–	–	
2-Chloronaphthalene	–	–	–	–	1.0 J	0.7 J	–	–	–	–	
Acenaphthylene	–	160.0 J	480.0 J	190.0 J	–	–	–	–	–	–	
Acenaphthene	–	–	40.0 J	–	18.0	15.0	–	–	–	–	
4-Nitrophenol	–	–	–	–	–	–	–	2.0 J	–	–	
Dibenzofuran	41.0 J	68.0 J	–	41.0 J	10.0	8.0 J	–	–	–	–	
Diethylphthalate	34.0 J	40.0 J	38.0 J	–	1.0 J	–	–	–	2.0 J	–	
Fluorene	–	69.0 J	47.0 J	40.0 J	14.0	11.0	–	–	–	–	
N-Nitrosodiphenylamine	–	64.0 J	–	–	16.0	–	–	–	–	–	
Hexachlorobenzene	–	680.0 J	160.0 J	380.0	–	–	–	–	–	–	
Pentachlorophenol	5100.0	36.0 J	–	–	–	–	–	–	–	–	
Phenanthrene	410.0 J	1500.0	570.0 J	870.0	45.0	32.0	–	–	–	–	
Anthracene	74.0 J	380.0 J	720.0	250.0 J	5.7 J	3.0 J	–	–	–	–	
Carbazole	48.0 J	270.0 J	130.0 J	180.0 J	20.0	17.0	–	–	–	–	
Di-n-Butylphthalate	2000.0	–	–	38.0 J	–	0.8 J	–	–	–	–	
Fluoranthene	498.0 J	3900.0	1100.0	2600.0	0.6 J	0.5 J	–	–	–	–	
Pyrene	520.0 J	3700.0	1500.0	2300.0	2.0 J	1.0 J	–	–	–	–	
Butylbenzylphthalate	–	220.0 J	68.0 J	180.0 J	–	–	–	–	–	–	
Benzo(a)anthracene	220.0 J	2130.0	1400.0	1300.0	–	–	–	–	–	–	
Chrysene	440.0 J	3400.0	2200.0	2200.0	–	–	–	–	–	–	
bis(2-Ethylhexyl)phthalate	1500.0	2300.0	2100.0	1700.0	–	–	–	–	–	–	
Benzo(b)fluoranthene	310.0 J	4600.0	2300.0	3000.0	–	–	–	–	–	–	
Benzo(k)fluoranthene	610.0 J	3500.0	1300.0	2000.0	–	–	–	–	–	–	
Benzo(a)pyrene	180.0 J	3100.0	1600.0	1900.0	–	–	–	–	–	–	
Indeno(1,2,3-cd)pyrene	75.0 J	3150.0	1100.0	1800.0	–	–	–	–	–	–	
Dibenz(a,h)anthracene	150.0 J	–	560.0 J	–	–	–	–	–	–	–	
Benzo(g,h,i)perylene	360.0 J	3500.0	1200.0	1900.0	–	–	–	–	–	–	
PESTICIDES (PPB or ug/L)											
alpha-BHC	1.1 JP	5.4 JP	4.0 J	1200.0 C	–	–	.005 JP	.070 P	–	–	
beta-BHC	2.8 JP	9.8 JP	8.0 JP	320.0	–	.009 JP	–	.04 JP	–	–	
delta-BHC	12.0 JP	44.0 P	19.0 JP	90.0 P	.005 JP	–	–	–	–	–	
gamma-BHC (Lindane)	–	–	–	160.0	.038 JP	–	–	.008 J	.004 J	–	
Heptachlor	170.0	69.0	37.0	11.0 JP	–	–	–	.005 JP	.316	–	
Aldrin	3900.0 PEC	310.0 P	140.0 P	3.9 JP	–	–	–	–	–	–	
Heptachlor epoxide	30.0 P	31.0 JP	16.0 JP	36.0 P	.009 JP	–	–	–	–	–	
Dieldrin	–	330.0 UX	320.0	–	–	–	–	–	–	–	
4,4'-DDE	6.2 JP	13.0 JP	8.4 JP	5.1 JP	–	–	–	–	–	–	
Endrin	–	–	–	6.7 JP	–	.004 J	–	–	–	–	
4,4'-DDD	5.9 JP	12.0 JP	6.8 J	–	–	–	–	–	–	–	
Endosulfan sulfate	8.4 JP	–	–	–	–	–	–	–	–	–	
4,4'-DDT	120.0	7.4 JP	–	–	–	–	–	–	–	–	
Methoxychlor (Marlate)	21.0 JP	16.0 JP	7.1 JP	5.9 JP	–	–	–	–	–	–	
Endrin Ketone	–	35.0 JP	18.0 JP	22.0 J	–	–	–	–	–	–	
alpha-Chlordane	46.0 P	88.0 P	61.0 P	2.8 JP	–	–	–	–	–	–	
gamma-Chlordane	310.0 PE	330.0 UX	340.0	12.0 JP	.009 J	.015 JP	–	–	–	–	
INORGANICS	(PPM)	(PPM)	(PPM)	(PPM)	(PPB)	(PPB)	(PPB)	(PPB)	(PPB)	(PPB)	
Aluminum	21300.0	12800.0	12200.0	10900.0	37.6 B	47.8 B	3340.0	17600.0	12100.0	15.4 B	
Antimony	6.5 B	14.8 B	14.5 B	47.8	16.1 B	–	–	–	–	–	
Arsenic	30.9	17.9	16.7	26.5	27.8	46.0	14.8	30.9	–	–	
Barium	447.0	177.0	172.0	246.0	531.0	478.0	27.7 B	24.1 B	40.1 B	–	
Beryllium	0.7 B	1.4 B	1.3 B	1.0 B	–	–	1.8 B	1.7 B	0.6 B	–	
Cadmium	19.2	39.1	33.4	37.3	–	–	3150.0	193.0	39.2	–	
Calcium	48100.0	142000.0	137000.0	37500.0	148000.0	149000.0	371000.0	197000.0	320300.0	88.0 B	
Chromium	68.1	77.7	63.1	44.8	–	–	–	7.2 B	–	–	
Cobalt	9.9 B	10.5 B	10.1 B	10.6 B	–	–	91.4	53.7	36.8	–	
Copper	338.0	1660.0	968.0	482.0	3.3 B	1.8 B	4.5 B	100.0	58.7	1.7 B	
Iron	30800.0	24700.0	22800.0	33300.0	18800.0	23600.0	4890.0	1580.0	3760.0	2.0 B	
Lead	1910.0	887.0	795.0	1200.0	2.3 B	1.6 B	2.8 B	1.6 B	3.8	1.8 B	
Magnesium	12600.0	8410.0	8740.0	2700.0	47900.0	49300.0	110000.0	41600.0	21500.0	–	
Manganese	508.0	1829.0	1830.0	481.0	3776.0	4180.0	11500.0	6070.0	3138.0	1.0 B	
Mercury	2.1	0.8	0.5	0.2	–	–	–	–	–	–	
Nickel	40.4	54.2	60.0	29.2	–	–	236.0	183.0	196.0	–	
Potassium	10300.0	4700.0	4420.0	2200.0	3640.0	2940.0 B	66300.0	204000.0	59900.0	–	
Selenium	1.9 B	1.4 B	1.1 B	0.7 B	–	–	1.6 B	–	–	–	
Silver	0.6 B	4.3	9.1	1.1 B	–	–	–	–	–	–	
Sodium	1050.0 B	836.0 B	856.0 B	730.0 B	11200.0	11300.0	41600.0	11920.0	40640.0	81.2 B	
Thallium	–	0.4 B	0.6 B	0.7 B	–	–	–	–	0.8 B	–	
Vanadium	86.7	59.7	94.0	53.2	2.1 B	2.8 B	5.8 B	16.2 B	–	–	
Zinc	4290.0	9320.0	9480.0	18000.0	16.2 B	9.0 B	121000.0	31500.0	131.0	7.8 B	
Cyanide	3.7	1.2	1.0	1.2	0.8 B	2.7 B	8.6	27.2	7.3	–	
pH	8.1	8.0	8.3	8.2	6.0	6.0	6.0	6.0	6.0	6.0	

* Bold numbers exceed the Benchmarks for the soil and groundwater pathways listed in the SUPERFUND CHEMICAL DATA MATRIX (SCDM).

SITE NAME: SWIFT AG CHEMICAL
ILD 059395423

TABLE 2.1
SOIL AND GROUNDWATER SAMPLES EXCEEDING TIERED APPROACH CLEANUP OBJECTIVES

SAMPLING POINT	X101	X102	X103	X104	G101	G102	G103	G104	G105
PARAMETER									
SEMIVOLATILES (PPB or ug/l)									
Pentachlorophenol	5100.0	36.0 J	--	--	--	--	--	--	--
Benzo(a)anthracene	--	2100.0	1400.0	1300.0	--	--	--	--	--
Chrysene	--	3400.0	2200.0	2200.0	--	--	--	--	--
Benzo(b)fluoranthene	--	4600.0	--	--	--	--	--	--	--
Benzo(a)pyrene	--	3100.0	1600.0	1900.0	--	--	--	--	--
PESTICIDES (PPB or ug/l)									
alpha-BHC	1.1 JP	5.4JP	4.0JP	1200.0 C	--	--	--	0.79 P	--
gamma-BHC (Lindane)	--	--	--	190					
Heptachlor	170	--	--	--					
Aldrin	3900.0 PEC	310 P	140 P	5.9JP	--	--	--		--
Heptachlor epoxide	--	--	--	39 P					
Dieldrin	--	330 UX	320						
INORGANICS	(PPM)	(PPM)	(PPM)	(PPM)	(PPB)	(PPB)	(PPB)	(PPB)	(PPB)
Arsenic	30.9	17.9	18.7	25.3	--	--	--	--	--
Barium	447.0	177.0	172.0	248.0	--	--	--	--	--
Beryllium	0.7 B	--	--	--	--	--	--	--	--
Cadmium	19.2	35.3	33.4	37.3	--	--	3150.0	193.0	29.2
Chromium	68.1	77.7	63.1	44.8	--	--	--	--	--
Iron	--	--	--	--	18600.0	23600.0	--	--	--
Lead	1010.0	887.0	793.0	1200.0	--	--	--	--	--
Manganese	--	--	--	--	3770.0	4180.0	11500.0	6070.0	3130.0
Mercury	2.1	0.6	0.5	0.2	--	--	--	--	--
Nickel	40.4	66.2	60.9	28.2	--	--	236.0	183.0	106.0
Vanadium	--	0.4 B	0.6 B	--					
Zinc	4580.0	9820.0	9480.0	16000.0	--	--	--	--	--
PH	5.1	6.0	6.3	6.2	6.0	6.0	6.0	6.0	6.0

* Soil cleanup objectives were taken from the TIERED APPROACH CLEANUP OBJECTIVES GUIDANCE DOCUMENT.
* Cleanup objectives for soil inorganics were not listed because each sample is pH dependant
* Industrial\Commercial cleanup number were listed.
* Groundwater cleanup objectives were based on Class 1 standards.

Complaint #: C-

LPC #:

Investigation Date:

Complaint Details (continued):

Investigation Results (continued):

USEPA OSC is aware about possible investigation removal.

There may also be an UST at the facility.

Operations ceased at the facility in December 1996.