Table J-5
Previous Investigation
GWSCREEN Input
Parameter Values

Table J-5. Summary of previous GWSCREEN investigations. 03/24/97

	ANL-01	ANL-01A	ANL-08	ANL-09	ANL-35	ANL-53	ANL-61A
Name	Industrial Waste Pond and ditches	Main Cooling Tower Blowdown Ditch	EBR-II Leach Pit	Interceptor Canal and mounded soil[1]	North Ditch	Cooling Tower Riser Pits and discharge areas[1]	PCB-contaminated soil at ANL-61[1]
Date of GWSCREEN	1995	November 1993	December, 1993	1995	December 1993	November 1993	NA
Reference	RPSP (ANL-W, 1994)	RPSP for ANL-01A (ANL-W, 4/27/95)	PSP Track 2 Summary Report (RUST, 4/11/94)	RPSP for ANL-09 (ANL-W, 4/27/95)	RPSP (ANL-W, 1995)	PSP Track 2 (ANL-W, 12/29/93)	NA
GWSCREEN version		2.01	NF	NF	2.02	2.01	NA
Model option	buried source	buried source	buried source	buried source	buried source	buried source	NA
Length (m)	Pond (54.8) Ditches (61-442)	198 (Be) 122 (Cr) 137 (Hg) 133 (Ag)	12.2	427	4.6	1.22	NA
Width (m)	Pond (54.8) Ditches (1-3)	3 (Be, Hg, Ag) 1.5 (Cr)	5.49	12.2	152	1.22	NA
Thickness (m)	Pond (0.33) Ditches (0.02-1.2)	1.2	0.2 (pre-removal), 0.0059 (post)	1	1.2	0.229-0.381	NA
Unsaturated zone (m)	19.2	19.2	19.5	63.4	19.2	4.7	NA
Unsaturated zone moisture content	0.4	0.4	0.3	0.3	0.4	0.3	NA
Infiltration rate (m/yr)	1.0-6.9	1.0	5.0 (operational), 0.1 (post)	0.1	1.0	0.1	NA
Kds	Be(250), Cr(1.2), Hg(100), Ag(90), Silvex (1.06), Th230(100)	Be (250), Cr(1.2), Hg(100), Ag (90)	Ag(90), Am(340), As(3), Ba(50), Be(250), Cd(6), Co(10), Cr(1.2), Cs(500), Hg(100), TCDD(9900), I(0), Mn(50), Ni(100), Np(22), PCB(1500), Pb(100), Pu(22), Sb(50), Sn(0), Sr(24), Tl(0), U(6),V(100), Y(0)	Sb(50), As(3), Pb(100), Hg(100), Ag(90), Cyanide(0), Am(340), Cs(500), Sr(24), Th(100), U(6)	Be(250), Cr(1.2), Hg(100), Ag(90), furan(0.083), HxCDD (9900)	Cr(1.2) Ag (3) Hg(100)	NA

Table J-5. Summary of previous GWSCREEN investigations. 03/24/97

	ANL-01	ANL-01A	ANL-08	ANL-09	ANL-35	ANL-53	ANL-61A
Name	Industrial Waste Pond and ditches	Main Cooling Tower Blowdown Ditch	EBR-II Leach Pit	Interceptor Canal and mounded soil[1]	North Ditch	Cooling Tower Riser Pits and discharge areas[1]	PCB-contaminated soil at ANL-61[1]
Hazard quotient	Pond sediments (5E-6 to 2E-5) Ditches (2E-5 to4E-3)	3E-4 (Be) 3E-8 (Cr-III) 8E-4 (Hg) 3E-4 (Ag)	NA	4E-4(Ag) to 1.0 (As)	1E-4 (Hg) to 0.06 (As)	2E-3 (Ag) 8E-6 (Hg) 8E-6 (Cr-III)	NA
Risk	Ditch (1.2E-6, Be)	2.7E-6 (Be)	3E-7 (As) 3.7E-6 (Be) 1E-8 (PCBs) 7E-8 (TCDD-eq)	<<1E-6 to 3E-4 (As)	<<1E-6 to 1E-5 (As)	NA	NA

1. ANL-09 mounded soil was not previously analyzed. ANL-53 discharge areas were not previously analyzed. ANL-61A was not previously analyzed.