Figure U-35b
American Badger Risk Summary
Based on Non-Spatial Exposure Point Concentrations

	American Badger																			
Study Area	**ADB**	**ADB**	**BTA**	**BTA**	**CDA**	**CDA**	**FPP**	**FPP**	**LQT**	**LQT**	**MSA**	**MSA**	**ROS**	**ROS**	**RCRA**	**RCRA**	**RWA**	**RWA**	**WCS**	**WCS**
CPEC	**Low HQ**	**High HQ**	**Low HQ**	**High HQ**	**Low HQ**	**High HQ**	**Low HQ**	**High HQ**	**Low HQ**	**High HQ**	**Low HQ**	**High HQ**	**Low HQ**	**High HQ**	**Low HQ**	**High HQ**	**Low HQ**	**High HQ**	**Low HQ**	**High HQ**
Inorganics																				
Arsenic	<1	<1					<1	<1	<1	<1	<1	<1			<1	<1			<1	<1
Barium			<1	<1																
Amenable Cyanide													<1	<1						
Lead			<1	<1																
Manganese											<1	<1	<1	<1						
Mercury			<1	<1																
Molybdenum							<1	<1												
Nickel			<1	<1					<1	<1										
Selenium							<1	<1	<1	<1										
Tin					<1	<1	<1	<1											<1	<1
Vanadium					<1	<1			<1	<1										
PCDD/PCDFs (Dioxins)																				
Total Mammalian Dioxin TEQ							<1	2												
Total Mammalian TEQ							<1	2												
Herbicides																				
2,4-Dichlorophenoxyacetic acid (2,4-D)																				
2,4-Dichlorophenoxybutyric acid (2,4-DB)					<1	<1														
2,4,5-T																				
MCPA					<1	<1							<1	<1						
MCPP							<1	<1												
Polycyclic Aromatic Hydrocarbons (PAHs)																				
Total LMW PAH																				
Total HMW PAH																				
PCBs																				
Total Mammalian PCB TEQ																				
Pesticides																				
4,4'-DDT					<1	<1														
Total DDT																				
Aldrin	<1	<1			<1	<1														
beta-BHC																				
Chlordane, gamma	<1	<1																		
Hexachlorobenzene					<1	<1														
Mirex					<1	<1														
Semi-Volatile Organic Compounds (SVOCs)																				
Diethylphthalate											<1	<1								
N-Nitrosomethylethylamine			<1	<1																
Volatile Organic Compounds (VOCs)																				
1,1,1-Trichloroethane					<1	<1														
1,1-Dichloroethane	<1	<1			<1	<1			<1	<1										
1,1-Dichloroethylene					<1	<1	<1	<1												
1,2-Dichloroethene					<1	<1														
1,2-Dichlorobenzene																				
1,2-Dichloroethane																				
1,2-Dichloropropane																				
1,2,3-Trichlorobenzene																				
1,3-Dichlorobenzene																				
1,4-Dichlorobenzene																				
3,3,5-Trimethylcyclohexanone																				
Acetone					<1	<1														
Benzene					<1	<1	<1	<1	<1	<1										
Carbon disulfide					<1	<1	<1	<1	<1	<1			<1	<1						
Chlorobenzene																				
Chloroform																				
Diethyl ether																				
Ethylbenzene					<1	<1														
Freon 113 (1,1,2-trichloro-1,2,2-trifluoroethane)																				
Isopropanol			<1	<1	<1	<1							<1	<1						
Methyl ethyl ketone					<1	<1			<1	<1										
Methylene chloride					<1	<1			<1	<1					<1	<1				
o-Xylene																				
Tetrachloroethylene					<1	<1	<1	<1												
Tetrahydrofuran					<1	<1	<1	<1												
Toluene					<1	<1	<1	<1					<1	<1						
Total Xylenes																				
Trichloroethylene					<1	<1	<1	<1	<1	<1										
Vinyl chloride																				

Notes:

Not Evaluated
Low or High HQ < 1
High HQ • 1
Low HQ • 1
Low HQ > 10

CPEC = Constituent of Potential Ecological Concern
HQ = Hazard Quotient
LMW PAH = Low Molecular Weight Polycyclic Aromatic Hydrocarbons
HMW PAH = High Molecular Weight Polycyclic Aromatic Hydrocarbons
NOAEL = No Observed Adverse Effect Level
LOAEL = Lowest Observed Effect Level
TRV = Toxicity Reference Value
Low HQ is based on LOAEL TRV; High HQ is based on NOAEL TRV.

Study Areas:
SW = Sitewide
SWP = Sitewide Including Ponds (Ponds 18 and A-5)
ADB = Administration Building Area
BTA = Burial Trench Area
CDA = Central Drainage Area
FPP = Former Ponds and Pads
LQT = Liquid Treatment Area
MSA = Maintenance Shed Area
ROS = Remaining On-site Areas
RCRA = RCRA Canyon
RWA = Roadway Areas
WCS = West Canyon Spray Area
ASP = A-Series Pond
P13 = Pond 13
P18 = Pond 18
PA5 = Pond A-5
RCF = RCF Pond
STW = Stormwater Ponds (Pond 13, A-Series Pond, and RCF Pond)
NDR = North Drainage
ADR = A Drainage
BDR = B Drainage
UCD = Upper C Drainage
LCD = Lower C Drainage
BKG = Background