

Table 1
Preliminary Site Related Chemicals
Nevada Power Company - Reid Gardner Station

Chemical Category	Chemical Name	CAS Number	Specific Site Location	Notes	Previously Detected in 2002 Revised Hydrogeologic Characterization Report	Quarterly Monitoring Required	Previously Detected in Quarterly Monitoring	Evaluated for Form R (TRI) Reports/Tier II Reports	Present in Wastewater	Present in Ash/Sludge	Previously Detected in Other Studies	Existing Background Parameter*
GENERAL CHEMISTRY	Asbestos	1332-21-4	WMU-2, Plant	Asbestos-containing material landfill (WMU-2) located on the Mesa (AOC doc 109). Potentially present in building materials at the plant.								
GENERAL CHEMISTRY	Chloride	16887-00-6	Site Wide	2001 TRI document 269, pond releases (also expressed as dissolved), 2004 TRI document 267 pond sampling results for Ponds 4B-1, 4C-1, 4C-2, E-1, E-2, G and F. Alkyl Dimethyl Benzyl Ammonium Chloride reported in Tier II document 259, component of Betz Powerline 3612.	X	X	X	X	X	X	X	X
GENERAL CHEMISTRY	Fluoride	16984-48-8	Ponds	Pond Well Monitoring Reports (AOC docs 125, 134, 216).				X	X		X	
GENERAL CHEMISTRY	Nitrate	7697-37-2	Site Wide	2004 TRI document 267 pond sampling results for Ponds 4C, 4C-2, 4C-3, F, 4B, E-1, 4B-1 and E-2. reported in 2005 TRI document 266 Table 2 - Pond Sampling Results. Sodium Nitrate reported in Tier II document 241, component of Betz Corshield K-7 (boiler chemical). Cellulose Nitrate reported in Tier II documents 241 and 259, component in shot gun shells	X	X	X	X	X	X	X	X
GENERAL CHEMISTRY	pH	NA	Site Wide	2001 TRI document 269 pond sampling results, 2004 TRI document 267 pond sampling results for Ponds 4C, 4C-2, 4C-3, F, 4B, E-1, 4B-1, E-2, G and F. Reported in 2005 TRI document 266 Table 2 - Pond Sampling Results. Silicic acid reported in Tier II document 241, component of H. Heat Dumdum. Sodium Hydroxide reported in Tier II document 241, component of Betz Powerline NPC04. Sodium Hypochlorite reported in Tier II document 241. Caustic Soda reported in Tier II document 259, component of Betz 3021, NPC01, 2440. Sulfuric acid reported on Form R reports	X	X	X	X	X	X	X	X
GENERAL CHEMISTRY	Silica	7631-86-9	Site Wide	Reported in Tier II documents 241 and 259, component of H. Heat Dumdum (Silicic acid). In Tier II document 259 listed as amorphous and quartz speciation identified in Reid Gardner Flyash. Sodium Metasilicate reported in Tier II document 259, component of Betz Corshield K-7.		X		X			X	
GENERAL CHEMISTRY	Sulfate	14808-79-8	Site Wide	2001 TRI document 269 pond sampling results, 2004 TRI document 267 pond sampling results for Ponds 4C, 4C-2, 4C-3, F, 4B, E-1, 4B-1 E-2 and G. Reported in 2005 TRI document 266 Table 2 - Pond Sampling Results.	X	X	X	X	X	X	X	X
GENERAL CHEMISTRY	Total Dissolved Solids	NA	Site Wide	Pond Leakage, 2001 TRI document 269 pond sampling results, 2004 TRI document 267 pond sampling results for Ponds 4C, 4C-2, 4C-3, F, 4B, E-1, 4B-1, E-2, G and F. Reported in 2005 TRI document 266 Table 2 - Pond Sampling Results (AOC doc 101).	X	X	X	X	X	X	X	X
GENERAL CHEMISTRY	Total Phosphorous	7723-14-0	Site Wide	2001 TRI document 269 pond sampling results, 2004 TRI document 267 pond sampling results for Ponds 4C, 4C-2, 4C-3, F, 4B, E-1, 4B-1, E-2, G and F. reported in 2005 TRI document 266 Table 2 - Pond Sampling Results. Phosphonic acid reported in Tier II document 259, component of NPC03, known also as (1-Hydroxyethylidene)bis.	X	X	X	X			X	X
GENERAL CHEMISTRY	Ammonia	7664-41-7	Ponds, Plant	Pond Well Monitoring Reports (AOC doc 125). Alkyl Dimethyl Benzyl Ammonium Chloride reported in Tier II document 259, component of Betz Powerline 3612							X	
METALS	Aluminum	7429-90-5	Site Wide	2001 TRI document 269 pond sampling results also expressed as dissolved aluminum, 2004 TRI document 267 pond sampling results for Ponds 4C, 4C-2, 4C-3, F, 4B, E-1, 4B-1, E-2, G and F (also expressed as dissolved). Reported in 2005 TRI document 266 Table 2 - Pond Sampling Results. Aluminum oxide reported in Tier II document 241, component of H. Heat Dumdum.	X	X	X	X	X		X	X
METALS	Antimony	7440-36-0	Site Wide	Reported in 2001 TRI document 269, component of coal and light oil, pond releases, reported in 2004 TRI document 267 and TRI summary 2000-2005 in TRI document 266. Detected in sludge during desludging (Dredge 1,2,3,4) activities in 1999 (AOC doc 238)				X	X	X	X	
METALS	Arsenic	7440-38-2	Site Wide	2001 TRI document 269, component of coal and light oil, pond releases, also expressed as dissolved, 2004 TRI document 267 pond sampling results for Ponds 4C, 4C-2, 4C-3, F, 4B, E-1, 4B-1, E-2, G and F (also expressed as dissolved). Reported in TRI document 266 TRI Summary 2000-2005. Reported in 2005 TRI document 266 Table 2 - Pond Sampling Results.	X	X	X	X	X	X	X	X

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METALS	Barium	7440-39-3	Site Wide	Barium compounds reported in Form R documents 270, 271 and 272, 2001 TRI document 269, component of coal and light oil, pond releases, also expressed as dissolved, reported in Form R document 267 RY04, 2004 TRI document 267 pond sampling results for Ponds 4C, 4C-2, 4C-3, F, 4B, E-1, 4B-1 E-2 and G (also expressed as dissolved). Reported in TRI document 266 TRI Summary 2000-2005. reported in 2005 TRI document 266 Table 2 - Pond Sampling Results.	X	X	X	X	X		X	X
METALS	Beryllium	7440-41-7	Site Wide	Reported in 2001 TRI document 269, component of coal and light oil, pond releases, reported in 2004 TRI document 267. Reported in TRI document 266 TRI Summary 2000-2005.		X	X	X	X	X	X	X
METALS	Boron	7440-42-8	Site Wide	2001 TRI document 269, pond releases, also expressed as dissolved. 2004 TRI document 267 pond sampling results for Ponds 4C, 4C-2, 4C-3, F, 4B, E-1, 4B-1, E-2, G and F (also expressed as dissolved), reported in 2005 TRI document 266 Table 2 - Pond Sampling Results. Borate, Tetra Sodium Pentahydrate reported in Tier II document 259, component of Betz Corrshield K-7.	X	X	X	X	X	X	X	X
METALS	Cadmium	7440-43-9	Site Wide	Reported in 2001 TRI document 269, component of coal and light oil, pond releases, reported in 2004 TRI document 267. Reported in TRI document 266 TRI Summary 2000-2005.		X	X	X	X	X	X	X
METALS	Calcium	7440-70-2	Site Wide	Max 680 mg/L Area 5. 2001 TRI document 269 pond sampling results (also expressed as dissolved), 2004 TRI document 267 pond sampling results for Ponds 4C, 4C-2, 4C-3, F, 4B, E-1, 4B-1, E-2, G and F. (also expressed as dissolved). Reported in 2005 TRI document 266 Table 2 - Pond Sampling Results.	X	X	X	X	X	X	X	
METALS	Chromium	7440-47-3	Site Wide	Chromium compounds reported in Form R documents 271 and 272, 2001 TRI document 269 as component of coal and light oil, pond releases (also expressed as dissolved), reported in Form R document 267 RY04, 2004 TRI document 267 pond sampling results for Ponds 4C, 4C-2, 4C-3, F, 4B, E-1, 4B-1, E-2, G and F (also expressed as dissolved). Reported in TRI document 266 TRI Summary 2000-2005. reported in 2005 TRI document 266 Table 2 - Pond Sampling Results.		X	X	X	X	X	X	X
METALS	Chromium (Hexavalent)	18540-29-9	Ponds	Hexavalent Chromium Detected in Ponds F and C2 in 2002.					X			
METALS	Cobalt	7440-48-4	Site Wide	Reported in 2001 TRI document 269, component of coal and light oil, pond releases, reported in 2004 TRI document 267. Reported in TRI document 266 TRI Summary 2000-2005.				X	X			
METALS	Copper	7440-50-8	Wastewater	Copper compounds reported in Form R documents 271 and 272, 2001 TRI document 269, component of coal and light oil, Pond releases, reported in 2004 TRI document 267 Form R. Reported in TRI document 266 TRI Summary 2000-2005. Detected in wastewater in prior DMR (AOC doc 120, 238). Detected in sludge during desludging (Dredge 1,2,3,4) activities in 1999 (AOC doc 238).				X	X		X	
METALS	Iron	7439-89-6	Site Wide	2001 TRI document 269 pond sampling results (also expressed as dissolved), 2004 TRI document 267 pond sampling results for Ponds 4C, 4C-2, 4C-3, F, 4B, E-1, 4B-1, E-2, G and F (also expressed as dissolved). Reported in 2005 TRI document 266 Table 2 - Pond Sampling Results. Iron Oxide reported in Tier II document 259, component of Reid Gardner flyash	X	X	X	X	X		X	X
METALS	Lead	7439-92-1	Site Wide	Lead compounds reported in Form R documents 270, 271 and 272, 2001 TRI document 269, component of coal and light oil, pond releases, also expressed as dissolved, reported in Form R document 267 RY04, 2004 TRI document 267, and pond sampling results for Ponds 4C, 4C-2, 4C-3, F, 4B, E-1, 4B-1 E-2 and G (also expressed as dissolved). Reported in TRI document 266 TRI Summary 2000-2005. reported in 2005 TRI document 266 Table 2 - Pond Sampling Results.		X	X	X	X		X	X

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METALS	Magnesium	7439-95-4	Site Wide	Max 3,500 mg/L Area 4 (P-17A), 2001 TRI document 269 pond sampling results (also expressed as dissolved), 2004 TRI document 267 pond sampling results for Ponds 4C, 4C-2, 4C-3, F, 4B, E-1, 4B-1, E-2, G and F (also expressed as dissolved) reported in 2005 TRI document 266 Table 2 - Pond Sampling Results. Magnesium Oxide reported in Tier II document 259, component of Reid Gardner flyash.	X	X	X	X	X	X	x	X
METALS	Manganese	7439-96-5	Site Wide	Manganese compounds reported in Form R documents 270, 271 and 272, 2001 TRI document 269 pond sampling results (also expressed as dissolved), reported in Form R document 267 RY04, 2004 TRI document 267 pond sampling results for Ponds 4C, 4C-2, 4C-3, F, 4B, E-1, 4B-1, E-2 and G (also expressed as dissolved). Reported in TRI document 266 TRI Summary 2000-2005. Reported in 2005 TRI document 266 Table 2 - Pond Sampling Results.	X	X	X	X	X	X	X	X
METALS	Mercury	7439-97-6	Site Wide	Mercury compounds reported in Form R document 270, 2001 TRI document 269, component of coal and light oil, pond releases (also expressed as dissolved), reported in Form R document 267 RY04, 2004 TRI document 267 pond sampling results for Ponds 4C, 4C-2, 4C-3, F, 4B, E-1, 4B-1 and E-2 (also expressed as dissolved). Reported in TRI document 266 TRI Summary 2000-2005. reported in 2005 TRI document 266 Table 2 - Pond Sampling Results.		X	X	X	X		X	X
METALS	Molybdenum	7439-98-7	Site Wide	Reported in 2001 TRI document 269, component of coal and light oil, pond releases (also expressed as dissolved), 2004 TRI document 267 pond sampling results for Ponds 4C, 4C-2, 4C-3, F, 4B, E-1, 4B-1, E-2, G and F (also expressed as dissolved). Reported in TRI document 266 TRI Summary 2000-2005. Reported in 2005 TRI document 266 Table 2 - Pond Sampling Results.	X	X	X	X	X	X	X	X
METALS	Nickel	7440-02-0	Site Wide	Reported in 2001 TRI document 269, component of coal and light oil, pond releases, reported in 2004 TRI document 267. Reported in TRI document 266 TRI Summary 2000-2005.		X	X	X		X	X	X
METALS	Potassium	7440-09-7	Site Wide	Max 6,800 mg/L Area 4 (P-3) - 2002 Char. Report, 2001 TRI document 269 pond sampling results (also expressed as dissolved), 2004 TRI document 267 pond sampling results for Ponds 4C, 4C-2, 4C-3, F, 4B, E-1, 4B-1, E-2, G and F (also expressed as dissolved). Reported in 2005 TRI document 266 Table 2 - Pond Sampling Results.	X	X	X	X	X	X	X	
METALS	Selenium	7782-49-2	Site Wide	Reported in 2001 TRI document 269, component of coal and light oil, Pond releases (also expressed as dissolved) 2004 TRI document 267 pond sampling results for Ponds 4C, 4C-2, 4C-3, F, 4B, E-1, 4B-1, E-2, G and F (also expressed as dissolved). Reported in TRI document 266 TRI Summary 2000-2005. Reported in 2005 TRI document 266 Table 2 - Pond Sampling Results.	X	X	X	X	X	X	X	X
METALS	Silver	7440-22-4	Plant	Reported in 2004 TRI document 267, conc. In coal				X				
METALS	Sodium	7440-23-5	Site Wide	Max 27,000 mg/L Area 4 (P-7) - 2002 Char. Report, 2001 TRI document 269 pond sampling results (also expressed as dissolved), 2004 TRI document 267 pond sampling results for Ponds 4C, 4C-2, 4C-3, F, 4B, E-1, 4B-1, E-2, G and F (also expressed as dissolved) reported in 2005 TRI document 266 Table 2 - Pond Sampling Results. Sodium Hydroxide reported in Tier II document 241, component of Betz Powerline NPC04. Sodium Hypochlorite reported in Tier II document 241. Sodium Nitrate; Disodium Pentahydrate; Borate, Tetra Sodium Pentahydrate; and Sodium Metasilicate reported in Tier II document 241/259, component of Betz Corrshield K-7 (boiler chemical). Sodium Carbonate (anhydrous) reported in Tier II document 259, from Texas Gulf Company.	X	X	X	X	X	X	X	X
METALS	Thallium	7440-28-0	West Ponds	Detected in sludge during desludging (Dredge 1,2,3,4) activities in 1999 (AOC doc 238)					X	X	X	

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METALS	Titanium	7440-32-6	Site Wide	2001 TRI document 269 pond sampling results (also expressed as dissolved), 2004 TRI document 267 pond sampling results for Ponds 4C, 4C-2, 4C-3, F, 4B, E-1, 4B-1, E-2, G and F (also expressed as dissolved) reported in 2005 TRI document 266 Table 2 - Pond Sampling Results.	X	X	X	X	X	X	X	X
METALS	Vanadium	7440-62-2	Site Wide	2001 TRI document 269 pond sampling results (also expressed as dissolved), 2004 TRI document 267 pond sampling results for Ponds 4C, 4C-2, 4C-3, F, 4B, E-1, 4B-1, E-2, G and F (also expressed as dissolved) reported in 2005 TRI document 266 Table 2 - Pond Sampling Results.	X	X	X	X	X	X	X	X
METALS	Zinc	7440-66-6	West Ponds	Zinc compounds reported in Form R documents 270, 271 and 272, Reported in 2001 TRI document 269, component of coal and light oil, Pond releases, reported in Form R document 267 RY04, 2004 TRI document 267. Reported in TRI document 266 TRI Summary 2000-2005. Detected in wastewater in prior DMR (AOC doc 120, 238). Detected in sludge during desludging (Dredge 1,2,3,4) activities in 1999 (AOC doc 238).				X	X		X	
VOCs	VOCs	NA	Plant (no sludge or ash VOC data)	VOCs analyzed quarterly at HM-8, HM-48, HM-50, HM-51, diesel tank, maintenance coal pile, and haul road dust (ash surge tank). Component of diesel fuel which was reported in Tier II (AOC docs 241 and 259). Also, AOC docs 89, 92.		X	X	X				
VOCs	1,1-Dichloropropene	563-58-6	Plant	VOCs analyzed quarterly at HM-8, HM-48, HM-50, HM-51, coal pile dust (diesel recovery system), and haul road dust (ash surge tank).								
VOCs	1,2,3-Trichlorobenzene	87-61-6	Plant	VOCs analyzed quarterly at HM-8, HM-48, HM-50, HM-51, coal pile dust (diesel recovery system), and haul road dust (ash surge tank).								
VOCs	1,2,3-Trichloropropane	96-18-4	Plant	VOCs analyzed quarterly at HM-8, HM-48, HM-50, HM-51, coal pile dust (diesel recovery system), and haul road dust (ash surge tank).								
VOCs	1,2,4-Trichlorobenzene	120-82-1	Plant	VOCs analyzed quarterly at HM-8, HM-48, HM-50, HM-51, coal pile dust (diesel recovery system), and haul road dust (ash surge tank).								
VOCs	1,2-Dibromo-3-chloropropane	96-12-8	Plant	VOCs analyzed quarterly at HM-8, HM-48, HM-50, HM-51, coal pile dust (diesel recovery system), and haul road dust (ash surge tank).								
VOCs	1,2-Dibromoethane	106-93-4	Plant	VOCs analyzed quarterly at HM-8, HM-48, HM-50, HM-51, coal pile dust (diesel recovery system), and haul road dust (ash surge tank).								
VOCs	1,2-Dichloroethane	107-6-2	Plant	VOCs analyzed quarterly at HM-8, HM-48, HM-50, HM-51, coal pile dust (diesel recovery system), and haul road dust (ash surge tank).								
VOCs	1,2-Dichloropropane	78-87-5	Plant	VOCs analyzed quarterly at HM-8, HM-48, HM-50, HM-51, coal pile dust (diesel recovery system), and haul road dust (ash surge tank).								
VOCs	1,3-Dichlorobenzene	541-73-1	Plant	VOCs analyzed quarterly at HM-8, HM-48, HM-50, HM-51, coal pile dust (diesel recovery system), and haul road dust (ash surge tank).								
VOCs	1,3-Dichloropropane	142-28-9	Plant	VOCs analyzed quarterly at HM-8, HM-48, HM-50, HM-51, coal pile dust (diesel recovery system), and haul road dust (ash surge tank).								
VOCs	1,4-Dichlorobenzene	106-46-7	Plant	VOCs analyzed quarterly at HM-8, HM-48, HM-50, HM-51, coal pile dust (diesel recovery system), and haul road dust (ash surge tank).								
VOCs	2,2-Dichloropropane	594-20-7	Plant	VOCs analyzed quarterly at HM-8, HM-48, HM-50, HM-51, coal pile dust (diesel recovery system), and haul road dust (ash surge tank).								
VOCs	2-Chlorotoluene	95-49-8	Plant	VOCs analyzed quarterly at HM-8, HM-48, HM-50, HM-51, coal pile dust (diesel recovery system), and haul road dust (ash surge tank).								
VOCs	4-Chlorotoluene	106-43-4	Plant	VOCs analyzed quarterly at HM-8, HM-48, HM-50, HM-51, coal pile dust (diesel recovery system), and haul road dust (ash surge tank).								
VOCs	Bromobenzene	108-86-1	Plant	VOCs analyzed quarterly at HM-8, HM-48, HM-50, HM-51, coal pile dust (diesel recovery system), and haul road dust (ash surge tank).								
VOCs	Bromodichloromethane	75-27-4	Plant	VOCs analyzed quarterly at HM-8, HM-48, HM-50, HM-51, coal pile dust (diesel recovery system), and haul road dust (ash surge tank).								

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VOCs	Bromoform	75-25-2	Plant	VOCs analyzed quarterly at HM-8, HM-48, HM-50, HM-51, coal pile dust (diesel recovery system), and haul road dust (ash surge tank).								
VOCs	Bromomethane	74-83-9	Plant	VOCs analyzed quarterly at HM-8, HM-48, HM-50, HM-51, coal pile dust (diesel recovery system), and haul road dust (ash surge tank).								
VOCs	Carbon tetrachloride	56-23-5	Plant	VOCs analyzed quarterly at HM-8, HM-48, HM-50, HM-51, coal pile dust (diesel recovery system), and haul road dust (ash surge tank).								
VOCs	Chloromethane	74-87-3	Plant	VOCs analyzed quarterly at HM-8, HM-48, HM-50, HM-51, coal pile dust (diesel recovery system), and haul road dust (ash surge tank).								
VOCs	cis-1,3-Dichloropropene	10061-01-5	Plant	VOCs analyzed quarterly at HM-8, HM-48, HM-50, HM-51, coal pile dust (diesel recovery system), and haul road dust (ash surge tank).								
VOCs	Dibromomethane	74-95-3	Plant	VOCs analyzed quarterly at HM-8, HM-48, HM-50, HM-51, coal pile dust (diesel recovery system), and haul road dust (ash surge tank).								
VOCs	Dichlorodifluoromethane	75-71-8	Plant	VOCs analyzed quarterly at HM-8, HM-48, HM-50, HM-51, coal pile dust (diesel recovery system), and haul road dust (ash surge tank).								
VOCs	1,1,1,2-Tetrachloroethane	630-20-6	Plant	VOCs analyzed quarterly at HM-8, HM-48, HM-50, HM-51, coal pile dust (diesel recovery system), and haul road dust (ash surge tank). Component of diesel fuel which was reported in Tier II reports (AOC docs 241 and 259).		X		X				
VOCs	Hexachlorobutadiene	87-68-3	Plant	VOCs analyzed quarterly at HM-8, HM-48, HM-50, HM-51, coal pile dust (diesel recovery system), and haul road dust (ash surge tank).								
VOCs	1,1,1-Trichloroethane	71-55-6	Plant	VOCs analyzed quarterly at HM-8, HM-48, HM-50, HM-51, coal pile dust (diesel recovery system), and haul road dust (ash surge tank). Component of diesel fuel which was reported in Tier II reports (AOC docs 241 and 259). Also, AOC docs 303 and 302.		X		X			X	
VOCs	1,1,1-Trichloroethene	79-01-6 (trichloroethylene)	Plant	Detected in Prior Phase II (AOC doc 50). Component of diesel fuel which was reported in Tier II reports (AOC docs 241 and 259).							X	
VOCs	1,1,2,2-Tetrachloroethane	79-34-5	Plant	VOCs analyzed quarterly at HM-8, HM-48, HM-50, HM-51, coal pile dust (diesel recovery system), and haul road dust (ash surge tank). Component of diesel fuel which was reported in Tier II reports (AOC docs 241 and 259).		X		X				
VOCs	1,1,2-Trichloroethane	79-00-5	Plant	VOCs analyzed quarterly at HM-8, HM-48, HM-50, HM-51, coal pile dust (diesel recovery system), and haul road dust (ash surge tank).								
VOCs	1,1,2-Trichloroethane	79-00-5	Plant	VOCs analyzed quarterly at HM-8, HM-48, HM-50, HM-51, coal pile dust (diesel recovery system), and haul road dust (ash surge tank). Component of diesel fuel which was reported in Tier II reports (AOC docs 241 and 259).		X		X				
VOCs	1,1-Dichloroethane	75-34-3	Plant	Diesel Tank, Maintenance, Coal Pile, Haul Road Dust (Ash Surge Tank). 1,1-dichloroethane detected in HM-8, HM-50. Component of diesel fuel which was reported in Tier II reports (AOC docs 241 and 259).		X	X	X			X	
VOCs	1,1-Dichloroethene	75-35-4	Plant	Detected in Prior Phase II (AOC doc 50). Component of diesel fuel which was reported in Tier II reports (AOC docs 241 and 259).							X	
VOCs	1,2,4-Trimethylbenzene	95-63-6	Plant	Diesel Tank, Maintenance, Coal Pile, Haul Road Dust (Ash Surge Tank). Detected in HM-50 and coal pile dust. Detected in prior Phase II (AOC doc 85, 89). Component of diesel fuel which was reported in Tier II reports (AOC docs 241 and 259).		x	X	X			X	
VOCs	1,2-Dichlorobenzene	95-50-1	Plant	Diesel Tank, Maintenance, Coal Pile, Haul Road Dust (Ash Surge Tank). Detected in HM-50. Detected in prior Phase II (AOC doc 85, 89). Component of diesel fuel which was reported in Tier II reports (AOC docs 241 and 259).		x	X	X			X	
VOCs	1,3,5-Trimethylbenzene	108-67-8	Plant	Diesel Tank, Maintenance, Coal Pile, Haul Road Dust (Ash Surge Tank). Detected in HM-50. Component of diesel fuel which was reported in Tier II reports (AOC docs 241 and 259).		x	X	X			X	
VOCs	2-Butanone (MEK)	78-93-3	Plant	Detected in Prior Phase II (AOC doc 50). Component of diesel fuel which was reported in Tier II reports (AOC docs 241 and 259). Detected in other study (AOC number 229)				X			X	

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VOCs	4-Ethyltoluene	622-96-8	Plant	Detected in Prior Phase II (AOC doc 50). Component of diesel fuel which was reported in Tier II reports (AOC docs 241and 259).				X			X	
VOCs	4-Isopropyltoluene	99-87-6	Plant	Diesel Tank, Maintenance, Coal Pile, Haul Road Dust (Ash Surge Tank). Detected in HM-50, HM-51. Component of diesel fuel which was reported in Tier II reports (AOC docs 241and 259).		x	X	X			X	
VOCs	4-methyl 2-pentanone (MIBK)	108-10-1	Plant	Detected in Prior Phase II (AOC doc 50). Component of diesel fuel which was reported in Tier II reports (AOC docs 241and 259).				X			X	
VOCs	Acetone	67-64-1	Plant	Detected in Prior Phase II (AOC doc 50). Component of diesel fuel which was reported in Tier II reports (AOC docs 241and 259). Also, AOC doc 229.				X			X	
VOCs	Trichlorofluoromethane	75-69-4	Plant	VOCs analyzed quarterly at HM-8, HM-48, HM-50, HM-51, coal pile dust (diesel recovery system), and haul road dust (ash surge tank).								
VOCs	Benzene	71-43-2	Plant	Diesel Tank, Maintenance, Coal Pile, Haul Road Dust (Ash Surge Tank). Detected in HM-50 and coal pile dust. Component of diesel fuel which was reported in Tier II reports (AOC docs 241and 259). Also, AOC docs 43, 47, 58, 38, and storage-364690287. Alkyl Dimethyl Benzyl Ammonium Chloride reported in Tier II document 259, component of Betz Powerline 3612.		x	X	X	X		X	
VOCs	Carbon Disulfide	75-15-0	Plant	Detected in Prior Phase II (AOC doc 50). Component of diesel fuel which was reported in Tier II reports (AOC docs 241and 259).				X			X	
VOCs	Chlorobenzene	108-90-7	Plant	VOCs analyzed quarterly at HM-8, HM-48, HM-50, HM-51, coal pile dust (diesel recovery system), and haul road dust (ash surge tank). Detected in Prior Phase II (AOC doc 50). Component of diesel fuel which was reported in Tier II reports (AOC docs 241and 259).				X			X	
VOCs	Chloroethane	75-00-3	Plant	Diesel Tank, Maintenance, Coal Pile, Haul Road Dust (Ash Surge Tank). Detected in HM-50. Component of diesel fuel which was reported in Tier II reports (AOC docs 241and 259).		x	X	X			X	
VOCs	Chloroform	67-66-3	Plant	Diesel Tank, Maintenance, Coal Pile, Haul Road Dust (Ash Surge Tank). Detected in coal pile dust. Component of diesel fuel which was reported in Tier II reports (AOC docs 241and 259). Also, AOC doc 229.		x	X	X			X	
VOCs	Chloromethane	74-87-3	Plant	Detected in Prior Phase II (AOC doc 50). Component of diesel fuel which was reported in Tier II reports (AOC docs 241and 259).				X			X	
VOCs	cis-1,2-Dichloroethane	107-06-2 (1,2 Dichloroethane)	Plant	Detected in Prior Phase II (AOC doc 50). Component of diesel fuel which was reported in Tier II reports (AOC docs 241and 259).				X			X	
VOCs	cis-1,2-Dichloroethene	156-59-2	Plant	Diesel Tank, Maintenance, Coal Pile, Haul Road Dust (Ash Surge Tank). Detected in HM-50, HM-51. Component of diesel fuel which was reported in Tier II reports (AOC docs 241and 259).		x	X	X			X	
VOCs	Cyclohexylamine	108-91-8	Plant	Reported in Tier II document 241, component of Betz Powerline 1410P.				X				
VOCs	Dibromochloromethane	124-48-1	Plant	Diesel Tank, Maintenance, Coal Pile, Haul Road Dust (Ash Surge Tank). Detected in coal pile dust. Component of diesel fuel which was reported in Tier II reports (AOC docs 241and 259).		x	X	X			X	
VOCs	Ethylbenzene	100-41-4	Plant	Diesel Tank, Maintenance, Coal Pile, Haul Road Dust (Ash Surge Tank). Detected in HM-50, HM-51, and coal pile dust. Component of diesel fuel which was reported in Tier II reports (AOC docs 241and 259). Also, AOC docs 43, 47, 58, 38, and storage-364690287.		x	X	X			X	
VOCs	Formaldehyde	50-00-0	Site Wide	Reported in 2001 TRI document 269, component of coal and light oil				X				
VOCs	Isopropylbenzene	98-82-8	Plant	Diesel Tank, Maintenance, Coal Pile, Haul Road Dust (Ash Surge Tank). Detected in HM-50. Component of diesel fuel which was reported in Tier II reports (AOC docs 241and 259).		x	X	X			X	
VOCs	Methylene Chloride	75-09-2	Plant	Monitoring Well CS-1 in 1988. Component of diesel fuel which was reported in Tier II reports (AOC docs 241and 259). Also AOC docs 229 and 145.				X			X	
VOCs	Methyl-tert-Butyl Ether (MTBE)	1634-04-4	Plant	Detected in prior Phase II (AOC doc 50). Component of diesel fuel which was reported in Tier II reports (AOC docs 241and 259).				X			X	

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VOCs	Naphthalene	91-20-3	Plant	Diesel Tank, Maintenance, Coal Pile, Haul Road Dust (Ash Surge Tank). Detected in HM-50 and coal pile dust. Component of diesel fuel which was reported in Tier II reports (AOC docs 241and 259).		x	X	X	X		X	
VOCs	n-Butylbenzene	104-51-8	Plant	Diesel Tank, Maintenance, Coal Pile, Haul Road Dust (Ash Surge Tank). Detected in HM-50. Component of diesel fuel which was reported in Tier II reports (AOC docs 241and 259).		x	X	X			X	
VOCs	n-Propylbenzene	103-65-1	Plant	Diesel Tank, Maintenance, Coal Pile, Haul Road Dust (Ash Surge Tank). Detected in HM-50. Component of diesel fuel which was reported in Tier II reports (AOC docs 241and 259).		x	X	X			X	
VOCs	p-isopropyl toluene	99-87-6	Plant	Detected in prior Phase II (AOC doc 50). Component of diesel fuel which was reported in Tier II reports (AOC docs 241and 259).				X			X	
VOCs	sec-Butylbenzene	135-98-8	Plant	Diesel Tank, Maintenance, Coal Pile, Haul Road Dust (Ash Surge Tank). Detected in HM-50. Component of diesel fuel which was reported in Tier II reports (AOC docs 241and 259).		x	X	X			X	
VOCs	Styrene	100-42-5	Plant	VOCs analyzed quarterly at HM-8, HM-48, HM-50, HM-51, coal pile dust (diesel recovery system), and haul road dust (ash surge tank). Detected in prior Phase II (AOC doc 50). Component of diesel fuel which was reported in Tier II reports (AOC docs 241and 259).		X		X			X	
VOCs	tert-Butylbenzene	98-06-6	Plant	Diesel Tank, Maintenance, Coal Pile, Haul Road Dust (Ash Surge Tank). Detected in HM-50. Component of diesel fuel which was reported in Tier II reports (AOC docs 241and 259).		x	X	X			X	
VOCs	Tetrachloroethene	127-18-4	Plant	VOCs analyzed quarterly at HM-8, HM-48, HM-50, HM-51, coal pile dust (diesel recovery system), and haul road dust (ash surge tank). Detected in prior Phase II (AOC doc 50). Component of diesel fuel which was reported in Tier II reports (AOC docs 241and 259).		X		X			X	
VOCs	Toluene	108-88-3	Plant	Diesel Tank, Maintenance, Coal Pile, Haul Road Dust (Ash Surge Tank). Detected in HM-50 and coal pile dust. Component of diesel fuel which was reported in Tier II reports (AOC docs 241and 259).		x	X	X	X		X	
VOCs	trans-1,2-Dichloroethene	156-60-5	Plant	Diesel Tank, Maintenance, Coal Pile, Haul Road Dust (Ash Surge Tank). Detected in HM-50. Component of diesel fuel which was reported in Tier II reports (AOC docs 241and 259).		x	X	X			X	
VOCs	Trichloroethene	70-01-6	Plant	Diesel Tank, Maintenance, Coal Pile, Haul Road Dust (Ash Surge Tank). Detected in HM-50, HM-51. Component of diesel fuel which was reported in Tier II reports (AOC docs 241and 259).		x	X	X			X	
VOCs	Vinyl chloride	75-01-4	Plant	Diesel Tank, Maintenance, Coal Pile, Haul Road Dust (Ash Surge Tank). Detected in HM-50, HM-51. Component of diesel fuel which was reported in Tier II reports (AOC docs 241and 259).		x	X	X			X	
VOCs	Volatile Fuel Hydrocarbons	NA	Plant	Volatile Fuel Hydrocarbons analyzed quarterly at HM-8, HM-48, HM-50, HM-51, coal pile dust (diesel recovery system), and haul road dust (ash surge tank). Detected in HM-8, HM-50, and HM-51. Component of diesel fuel which was reported in Tier II (AOC doc 241), 2004 TRI document 267 pond sampling results for Ponds 4B-1, 4C-1, 4C-2, E-1 and E-2. Reported in 2005 TRI (AOC doc 266) Table 2 - Pond Sampling Results.		X	X	X	X	X	X	
VOCs	Xylenes (Total)	1330-20-7 (Mixed Isomers)	Plant	Diesel Tank, Maintenance, Coal Pile, Haul Road Dust (Ash Surge Tank). Detected in HM-50 and coal pile dust. Component of diesel fuel which was reported in Tier II reports (AOC docs 241and 259). Also AOC docs 82, 47, 89, 85, 103, 43, 47, 58, 38, and storage-364690287.		x	X	X	X		X	
DIOXIN	2,3,7,8-TCDD equivalents	1746-01-6	WMU-7, WMU-8	Reported in 2001 TRI (AOC doc 269) coal emission estimates. Reported in 2005 TRI (AOC doc 266) coal emission estimates. Also, AOC docs 115, 277, 102.				X				
HERBICIDE	Prometon	1610-18-0	Plant	Reported in Tier II (AOC doc 259).				X				
RADIONUCLIDES	Cesium 137	10045-97-3	Site Wide	Cesium-137 was identified as being present in on-site equipment in the past. Reported as being located on-site in Tier II (AOC doc 259), and HazMat Permit and Sara III - 1995, 2000, 2003. Also reported as being located on-site in Radioactive Material License (AOC doc 284).				X				

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RADIONUCLIDES	Lead ²¹⁰	14255-04-0	Site Wide	Reported in 2001 TRI (AOC doc 269) coal emission estimates. Reported in 2005 TRI (AOC doc 266) coal emission estimates.				X				
RADIONUCLIDES	Polonium ²¹⁰	13981-52-7	Site Wide	Small amounts of Polonium-210 may be generated during coal combustion activities. Reported in 2001 TRI (AOC doc 269) in coal emission calculations. Reported in 2005 TRI (AOC doc 266) in coal emission calculations..				X				
RADIONUCLIDES	Radium ²²⁶	13982-63-3	Site Wide	Reported in 2001 TRI (AOC doc 269) coal emission estimates. Reported in 2005 TRI (AOC doc 266) coal emission estimates.				X				
RADIONUCLIDES	Radium ²²⁸	15262-20-1	Site Wide	Reported in 2001 TRI (AOC doc 269) coal emission estimates. Reported in 2005 TRI (AOC doc 266) coal emission estimates.				X				
RADIONUCLIDES	Strontium	7440-24-6	Ponds	Strontium was detected in almost all on-site monitoring wells monitoring wells in 1985 during a study to indicate pond leakage (AOC doc 126).							X	
RADIONUCLIDES	Thorium ²³⁰	14269-63-7	Site Wide	Reported in 2001 TRI (AOC doc 269) coal emission estimates. Reported in 2005 TRI (AOC doc 266) coal emission estimates.				X				
RADIONUCLIDES	Thorium ²³²	7440-29-1	Site Wide	Reported in 2001 TRI (AOC doc 269) coal emission estimates. Reported in 2005 TRI (AOC doc 266) coal emission estimates.				X				
RADIONUCLIDES	Thorium ²²⁸	14274-82-9	Site Wide	Reported in 2001 TRI (AOC doc 269) coal emission estimates. Reported in 2005 TRI (AOC doc 266) coal emission estimates.				X				
RADIONUCLIDES	Uranium ²³⁴	13966-29-5	Site Wide	Reported in 2001 TRI (AOC doc 269) coal emission estimates. Reported in 2005 TRI (AOC doc 266) coal emission estimates.				X				
RADIONUCLIDES	Uranium ²³⁸	7440-61-1	Site Wide	Reported in 2001 TRI (AOC doc 269) coal emission estimates. Reported in 2005 TRI (AOC doc 266) coal emission estimates.				X				
PAHs	Biphenyl	92-52-4	Site Wide	Benzo(a)pyrene Equivalents Reported in 2001 TRI (AOC doc 269) coal emission estimates. Reported in 2005 TRI (AOC doc 266) coal emission estimates.**				X				
PAHs	Acenaphthene	83-32-9	Site Wide	Benzo(a)pyrene Equivalents Reported in 2001 TRI (AOC doc 269) coal emission estimates. Reported in 2005 TRI (AOC doc 266) coal emission estimates.**				X				
PAHs	Anthracene	120-12-7	Site Wide	Benzo(a)pyrene Equivalents Reported in 2001 TRI (AOC doc 269) coal emission estimates. Reported in 2005 TRI (AOC doc 266) coal emission estimates.**				X				
PAHs	Benzo(a)anthracene	56-55-3	Site Wide	Benzo(a)pyrene Equivalents Reported in 2001 TRI (AOC doc 269) coal emission estimates. Reported in 2005 TRI (AOC doc 266) coal emission estimates.**				X				
PAHs	Benzo(a)pyrene	50-32-8	Site Wide	Benzo(a)pyrene Equivalents Reported in 2001 TRI (AOC doc 269) coal emission estimates. Reported in 2005 TRI (AOC doc 266) coal emission estimates.**				X				
PAHs	Benzo(b,j,k)fluoranthene	56832-73-6	Site Wide	Benzo(a)pyrene Equivalents Reported in 2001 TRI (AOC doc 269) coal emission estimates. Reported in 2005 TRI (AOC doc 266) coal emission estimates.**				X				
PAHs	Benzo(g,h,i)perylene	191-24-2	Site Wide	Benzo(a)pyrene Equivalents Reported in 2001 TRI (AOC doc 269) coal emission estimates. Reported in 2005 TRI (AOC doc 266) coal emission estimates.**				X				
PAHs	Chrysene	218-01-9	Site Wide	Benzo(a)pyrene Equivalents Reported in 2001 TRI (AOC doc 269) coal emission estimates. Reported in 2005 TRI (AOC doc 266) coal emission estimates.**				X				
PAHs	Fluoranthene	206-44-0	Site Wide	Benzo(a)pyrene Equivalents Reported in 2001 TRI (AOC doc 269) coal emission estimates. Reported in 2005 TRI (AOC doc 266) coal emission estimates.**				X				
PAHs	Indeno(1,2,3-cd)pyrene	193-39-5	Site Wide	Benzo(a)pyrene Equivalents Reported in 2001 TRI (AOC doc 269) coal emission estimates. Reported in 2005 TRI (AOC doc 266) coal emission estimates.**				X				
PAHs	Napthalene	91-20-3	Site Wide	Benzo(a)pyrene Equivalents Reported in 2001 TRI (AOC doc 269) coal emission estimates. Reported in 2005 TRI (AOC doc 266) coal emission estimates.**				X				
PAHs	Phenanthrene	85-01-8	Site Wide	Benzo(a)pyrene Equivalents Reported in 2001 TRI (AOC doc 269) coal emission estimates. Reported in 2005 TRI (AOC doc 266) coal emission estimates.**				X				
PAHs	Pyrene	129-00-0	Site Wide	Benzo(a)pyrene Equivalents Reported in 2001 TRI (AOC doc 269) coal emission estimates. Reported in 2005 TRI (AOC doc 266) coal emission estimates.**				X				
PAHs	5-Methyl chrysene	3697-24-3	Site Wide	Benzo(a)pyrene Equivalents Reported in 2001 TRI (AOC doc 269) coal emission estimates. Reported in 2005 TRI (AOC doc 266) coal emission estimates.**				X				

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SVOCs	bis (2-ethylhexyl) phthalate	117-81-7	WMU-7	Detected in 2006 Characterization report in soils. AOC doc 115.							X	
TPH	TPH - GRO (Volatile Fuel Hydrocarbons)	NA	Plant, Ponds	Pond Sludge, Precipitator Sludge, Wastewater, 2004 TRI (AOC doc 267) pond sampling results for Ponds 4C, 4C-2, 4C-3, F, 4B, E-1, 4B-1 and E-2 reported in 2005 TRI (AOC doc 266) Table 2 - Pond Sampling Results. Also, AOC docs	X	X					X	
TPH	TPH - DRO (C10-C22)	NA	Plant, Ponds	Pond Sludge, Precipitator Sludge, Wastewater, 2004 TRI (AOC doc 267) pond sampling results for Ponds 4C, 4C-2, 4C-3, F, 4B, E-1, 4B-1 and E-2 reported in 2005 TRI (AOC doc 266) Table 2 - Pond Sampling Results. Also, AOC docs 34, 58, 38, 239, 89, 92, and 234. Diesel Tank Plume (AOC doc 47)	X	X					X	
TPH	TPH - ORO (C22-C32)	NA	Plant, Ponds	Pond Sludge, Precipitator Sludge, Wastewater, 2004 TRI (AOC doc 267) pond sampling results for Ponds 4C, 4C-2, 4C-3, F, 4B, E-1, 4B-1 and E-2 reported in 2005 TRI (AOC doc 266) Table 2 - Pond Sampling Results. Also, AOC docs 34, 47, 58, 38, 239, 89, 92, and 234.	X	X					X	
TPH	TPH - Total (C10-C32)	NA	Plant, Ponds	Pond Sludge, Precipitator Sludge, Wastewater, 2004 TRI (AOC doc 267) pond sampling results for Ponds 4C, 4C-2, 4C-3, F, 4B, E-1, 4B-1 and E-2 reported in 2005 TRI (AOC doc 266) Table 2 - Pond Sampling Results. Also, AOC docs 34, 58, 38, 239, 89, 92, and 234. Diesel Tank Plume (AOC doc 47)		X	X	X	X	X	X	
OTHER	Tolyltriazole	29385-43-1	Plant, Ponds	Reported in Tier II (AOC doc 259), component of Betz NPC01, NPC02, 3021				X				
OTHER	Tri-N-Butyltin oxide	56-35-9	Plant	Reported in Tier II (AOC doc 259), component of Powerline 3612				X				
OTHER	Chlorinated Hydantoin	NA	Plant	Reported in Tier II (AOC doc 259), component of Slimicide C-72P containing dichlorodimethyl hydantoin, dichloromethyl ethyl hydantoin				X				
OTHER	Ethylene Glycol	107-21-1	Plant	Reported in Tier II (AOC doc 259) and hazardous waste manifests - 1996 and 1997, anti-freeze.				X				
OTHER	Hydroquinone	123-31-9	West Ponds (Pond 4A)	Reported in Tier II (AOC doc 241), reported in document Disposal of Corrtrol 778 (Betz 778) dated 6/19/89, component of Betz Powerline 1200. Also, AOC doc 236.				X			X	
OTHER	Methoxypropylamine	NA	West Ponds (Pond 4A)	MSDS for Betz 778 (AOC doc 236).							X	
OTHER	Morpholine	110-91-8	Plant	Reported in Tier II (AOC doc 259), component of Betz Powerline 1320 and 1410P.				X				
OTHER	PCB (Aroclor 1016)	12674-11-2	WMU-7, WMU-8, Power Block	Analyzed for in WMU-7, WMU-8, Prior Phase II report (AOC doc 50). Also, AOC docs 115, 277, 102.								
OTHER	PCB (Aroclor 1221)	11104-28-2	WMU-7, WMU-8, Power Block	Analyzed for in WMU-7, WMU-8, Prior Phase II report (AOC doc 50). Also, AOC docs 115, 277, 102.								
OTHER	PCB (Aroclor 1232)	11141-16-5	WMU-7, WMU-8, Power Block	Analyzed for in WMU-7, WMU-8, Prior Phase II report (AOC doc 50). Also, AOC docs 115, 277, 102.								
OTHER	PCB (Aroclor 1242)	53469-21-9	WMU-7, WMU-8, Power Block	Analyzed for in WMU-7, WMU-8, Prior Phase II report (AOC doc 50). Also, AOC docs 115, 277, 102.								
OTHER	PCB (Aroclor 1248)	12672-29-6	WMU-7, WMU-8, Power Block	Analyzed for in WMU-7, WMU-8, Prior Phase II report (AOC doc 50). Also, AOC docs 115, 277, 102.								
OTHER	PCB (Aroclor 1254)	11097-69-1	WMU-7, WMU-8, Power Block	Detected in WMU-7, WMU-8, Detected in prior Phase II report (AOC doc 50). Also, AOC docs 115, 277, 102.							X	
OTHER	PCB (Aroclor 1260)	11096-82-5	WMU-7, WMU-8, Power Block	Analyzed for in WMU-7, WMU-8, Prior Phase II report (AOC doc 50). Also, AOC docs 115, 277, 102.								

* - From NDEP Fact Sheet Regarding Permit Number NEV91022.

** - Polynuclear Aromatic Hydrocarbons (PAHs) obtained from Table 1.1-13 Emission Factors For PAHs from Controlled Coal Combustion (AP 42, Volume I, Fifth Edition)

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