TABLE 2
ESTIMATED MONITORING COSTS

SAMPLE ANALYSIS COST	$132/sample
EQUATIONS USED	
Initial Monitoring	
All system types	4 quarterly samples * $132 * per source
Standby Sources	1 sample (triennial) * $132 * per source
Routine Monitoring	
<=3,300 population	1 sample (triennial) * $132 / 3 years (to annualize) * per source
>3,300 population	2 samples (triennial) * $132 / 3 years (to annualize) * per source
Increased Monitoring	
<=3,300 population	4 quarterly samples/year * $132 * per source
>3,300 population	(6 monthly samples + 2 quarterly samples)/year * $132 * per source
	Year 2+ = 4 quarterly samples/year * 132 * per source
Treated Monitoring	
All system types	(12 monthly treated samples + 4 quarterly raw samples)/year * $132 * per source

ALL MCL OPTIONS

Initial Monitoring - sources without detections

	Source Count		**Total Cost ($)**	
Water type\# Svc Conn	<200	>=200	<200	>=200
Groundwater	5048	5827	$2,665,344	$3,076,656
Surface Water	483	726	$255,024	$383,328

Initial Monitoring - standby sources

	Source Count		**Total Cost ($)**	
Water type\# Svc Conn	<200	>=200	<200	>=200
Groundwater	137	241	$18,084	$31,812
Surface Water	4	13	$528	$1,716

Routine Monitoring - sources without detections

	Source Count		**Total Cost ($)**	
Water type\# Svc Conn	<200	>=200	<200	>=200
Groundwater <=3,300 pop	5016	1162	$220,704	$51,128
Groundwater >3,300 pop	32	4665	$2,816	$410,520
Surface Water <=3,300 pop	478	185	$21,032	$8,140
Surface Water >3,300 pop	5	541	$440	$47,608

Acronyms:

MCL - Maximum Contaminant Level
NA - Not Applicable
pop - population
ppt - parts per trillion
Svc Conn- Service Connection

TABLE 2
ESTIMATED MONITORING COSTS

MCL = 5 ppt

Increased Monitoring - sources not requiring treatment

	Source Count		Total Cost ($) Year 1		Total Cost ($) Year 2	
Water Type\# Svc Conn	<200	>=200	<200	>=200	<200	>=200
Groundwater <=3,300 pop	10	6	$5,280	$3,168	$5,280	$3,168
Groundwater >3,300 pop	0	158	$0	$83,424	$0	$83,424
Surface Water <=3,300 pop	1	0	$528	$0	$528	$0
Surface Water >3,300 pop	0	4	$0	$2,112	$0	$2,112

Increased Monitoring - sources requiring treatment

	Source Count		Total Cost ($) Year 1		Total Cost ($) Year 2	
Water type\# Svc Conn	<200	>=200	<200	>=200	<200	>=200
Groundwater <=3,300 pop	36	9	$19,008	$4,752	NA	NA
Groundwater >3,300 pop	0	220	$0	$232,320	NA	NA
Surface Water <=3,300 pop	0	0	$0	$0	NA	NA
Surface Water >3,300 pop	0	0	$0	$0	NA	NA

Treated Monitoring - sources requiring treatment

	Source Count		Total Cost ($) Year 1		Total Cost ($) Year 2	
Water type\# Svc Conn	<200	>=200	<200	>=200	<200	>=200
Groundwater <=3,300 pop	36	9	NA	NA	$76,032	$19,008
Groundwater >3,300 pop	0	220	NA	NA	$0	$464,640
Surface Water <=3,300 pop	0	0	NA	NA	$0	$0
Surface Water >3,300 pop	0	0	NA	NA	$0	$0

Increased Monitoring - currently treated sources

	Source Count		Total Cost ($) Year 1		Total Cost ($) Year 2	
Water type\# Svc Conn	<200	>=200	<200	>=200	<200	>=200
Groundwater <=3,300 pop	0	0	NA	NA	NA	NA
Groundwater >3,300 pop	0	3	NA	$1,584	NA	$1,584
Surface Water <=3,300 pop	0	0	NA	NA	NA	NA
Surface Water >3,300 pop	0	0	NA	NA	NA	NA

Treated Monitoring - treated sources

	Source Count		Total Cost ($) Year 1		Total Cost ($) Year 2	
Water type\# Svc Conn	<200	>=200	<200	>=200	<200	>=200
Groundwater <=3,300 pop	0	0	$0	$0	$0	$0
Groundwater >3,300 pop	0	24	$0	$50,688	$0	$50,688
Surface Water <=3,300 pop	0	0	$0	$0	$0	$0
Surface Water >3,300 pop	0	0	$0	$0	$0	$0

TABLE 2
ESTIMATED MONITORING COSTS

MCL = 7 ppt

Increased Monitoring - sources not requiring treatment

	Source Count		Total Cost ($) Year 1		Total Cost ($) Year 2	
Water type\# Svc Conn	<200	>=200	<200	>=200	<200	>=200
Groundwater <=3,300 pop	13	9	$6,864	$4,752	$6,864	$4,752
Groundwater >3,300 pop	0	195	$0	$102,960	$0	$102,960
Surface Water <=3,300 pop	1	0	$528	$0	$528	$0
Surface Water >3,300 pop	0	4	$0	$2,112	$0	$2,112

Increased Monitoring - sources requiring treatment

	Source Count		Total Cost ($) Year 1		Total Cost ($) Year 2	
Water type\# Svc Conn	<200	>=200	<200	>=200	<200	>=200
Groundwater <=3,300 pop	33	6	$17,424	$3,168	NA	NA
Groundwater >3,300 pop	0	183	$0	$193,248	NA	NA
Surface Water <=3,300 pop	0	0	$0	$0	NA	NA
Surface Water >3,300 pop	0	0	$0	$0	NA	NA

Treated Monitoring - sources requiring treatment

	Source Count		Total Cost ($) Year 1		Total Cost ($) Year 2	
Water type\# Svc Conn	<200	>=200	<200	>=200	<200	>=200
Groundwater <=3,300 pop	33	6	NA	NA	$69,696	$12,672
Groundwater >3,300 pop	0	183	NA	NA	$0	$386,496
Surface Water <=3,300 pop	0	0	NA	NA	$0	$0
Surface Water >3,300 pop	0	0	NA	NA	$0	$0

Increased Monitoring - currently treated sources

	Source Count		Total Cost ($) Year 1		Total Cost ($) Year 2	
Water type\# Svc Conn	<200	>=200	<200	>=200	<200	>=200
Groundwater <=3,300 pop	0	0	NA	NA	NA	NA
Groundwater >3,300 pop	0	4	NA	$2,112	NA	$2,112
Surface Water <=3,300 pop	0	0	NA	NA	NA	NA
Surface Water >3,300 pop	0	0	NA	NA	NA	NA

Treated Monitoring - treated sources

	Source Count		Total Cost ($) Year 1		Total Cost ($) Year 2	
Water type\# Svc Conn	<200	>=200	<200	>=200	<200	>=200
Groundwater <=3,300 pop	0	0	$0	$0	$0	$0
Groundwater >3,300 pop	0	23	$0	$48,576	$0	$48,576
Surface Water <=3,300 pop	0	0	$0	$0	$0	$0
Surface Water >3,300 pop	0	0	$0	$0	$0	$0

TABLE 2
ESTIMATED MONITORING COSTS

MCL = 15 ppt

Increased Monitoring - sources not requiring treatment

	Source Count		Total Cost ($) Year 1		Total Cost ($) Year 2	
Water type\# Svc Conn	<200	>=200	<200	>=200	<200	>=200
Groundwater <=3,300 pop	25	14	$13,200	$7,392	$13,200	$7,392
Groundwater >3,300 pop	0	249	$0	$131,472	$0	$131,472
Surface Water <=3,300 pop	1	0	$528	$0	$528	$0
Surface Water >3,300 pop	0	4	$0	$2,112	$0	$2,112

Increased Monitoring - sources requiring treatment

	Source Count		Total Cost ($) Year 1		Total Cost ($) Year 2	
Water type\# Svc Conn	<200	>=200	<200	>=200	<200	>=200
Groundwater <=3,300 pop	21	1	$11,088	$528	NA	NA
Groundwater >3,300 pop	0	129	$0	$136,224	NA	NA
Surface Water <=3,300 pop	0	0	$0	$0	NA	NA
Surface Water >3,300 pop	0	0	$0	$0	NA	NA

Treated Monitoring - sources requiring treatment

	Source Count		Total Cost ($) Year 1		Total Cost ($) Year 2	
Water type\# Svc Conn	<200	>=200	<200	>=200	<200	>=200
Groundwater <=3,300 pop	21	1	NA	NA	$44,352	$2,112
Groundwater >3,300 pop	0	129	NA	NA	$0	$272,448
Surface Water <=3,300 pop	0	0	NA	NA	$0	$0
Surface Water >3,300 pop	0	0	NA	NA	$0	$0

Increased Monitoring - currently treated sources

	Source Count		Total Cost ($) Year 1		Total Cost ($) Year 2	
Water type\# Svc Conn	<200	>=200	<200	>=200	<200	>=200
Groundwater <=3,300 pop	0	0	NA	NA	NA	NA
Groundwater >3,300 pop	0	4	NA	$2,112	NA	$2,112
Surface Water <=3,300 pop	0	0	NA	NA	NA	NA
Surface Water >3,300 pop	0	0	NA	NA	NA	NA

Treated Monitoring - treated sources

	Source Count		Total Cost ($) Year 1		Total Cost ($) Year 2	
Water type\# Svc Conn	<200	>=200	<200	>=200	<200	>=200
Groundwater <=3,300 pop	0	0	$0	$0	$0	$0
Groundwater >3,300 pop	0	23	$0	$48,576	$0	$48,576
Surface Water <=3,300 pop	0	0	$0	$0	$0	$0
Surface Water >3,300 pop	0	0	$0	$0	$0	$0

TABLE 2
ESTIMATED MONITORING COSTS

MCL = 35 ppt

Increased Monitoring - sources not requiring treatment

	Source Count		Total Cost ($) Year 1		Total Cost ($) Year 2	
Water type\# Svc Conn	<200	>=200	<200	>=200	<200	>=200
Groundwater <=3,300 pop	30	15	$15,840	$7,920	$15,840	$7,920
Groundwater >3,300 pop	0	307	$0	$162,096	$0	$162,096
Surface Water <=3,300 pop	1	0	$528	$0	$528	$0
Surface Water >3,300 pop	0	4	$0	$2,112	$0	$2,112

Increased Monitoring - sources requiring treatment

	Source Count		Total Cost ($) Year 1		Total Cost ($) Year 2	
Water type\# Svc Conn	<200	>=200	<200	>=200	<200	>=200
Groundwater <=3,300 pop	16	0	$8,448	$0	NA	NA
Groundwater >3,300 pop	0	71	$0	$74,976	NA	NA
Surface Water <=3,300 pop	0	0	$0	$0	NA	NA
Surface Water >3,300 pop	0	0	$0	$0	NA	NA

Treated Monitoring - sources requiring treatment

	Source Count		Total Cost ($) Year 1		Total Cost ($) Year 2	
Water type\# Svc Conn	<200	>=200	<200	>=200	<200	>=200
Groundwater <=3,300 pop	16	0	NA	NA	$33,792	$0
Groundwater >3,300 pop	0	71	NA	NA	$0	$149,952
Surface Water <=3,300 pop	0	0	NA	NA	$0	$0
Surface Water >3,300 pop	0	0	NA	NA	$0	$0

Increased Monitoring - currently treated sources

	Source Count		Total Cost ($) Year 1		Total Cost ($) Year 2	
Water type\# Svc Conn	<200	>=200	<200	>=200	<200	>=200
Groundwater <=3,300 pop	0	0	NA	NA	NA	NA
Groundwater >3,300 pop	0	10	NA	$5,280	NA	$5,280
Surface Water <=3,300 pop	0	0	NA	NA	NA	NA
Surface Water >3,300 pop	0	0	NA	NA	NA	NA

Treated Monitoring - treated sources

	Source Count		Total Cost ($) Year 1		Total Cost ($) Year 2	
Water type\# Svc Conn	<200	>=200	<200	>=200	<200	>=200
Groundwater <=3,300 pop	0	0	$0	$0	$0	$0
Groundwater >3,300 pop	0	17	$0	$35,904	$0	$35,904
Surface Water <=3,300 pop	0	0	$0	$0	$0	$0
Surface Water >3,300 pop	0	0	$0	$0	$0	$0

TABLE 2
ESTIMATED MONITORING COSTS

MCL = 70 ppt

Increased Monitoring - sources not requiring treatment

	Source Count		Total Cost ($) Year 1		Total Cost ($) Year 2	
Water type\# Svc Conn	<200	>=200	<200	>=200	<200	>=200
Groundwater <=3,300 pop	34	15	$ 17,952	$7,920	$ 17,952	$7,920
Groundwater >3,300 pop	0	339	$0	$ 178,992	$0	$ 178,992
Surface Water <=3,300 pop	1	0	$528	$0	$528	$0
Surface Water >3,300 pop	0	4	$0	$2,112	$0	$2,112

Increased Monitoring - sources requiring treatment

	Source Count		Total Cost ($) Year 1		Total Cost ($) Year 2	
Water type\# Svc Conn	<200	>=200	<200	>=200	<200	>=200
Groundwater <=3,300 pop	12	0	$6,336	$0	NA	NA
Groundwater >3,300 pop	0	39	$0	$41,184	NA	NA
Surface Water <=3,300 pop	0	0	$0	$0	NA	NA
Surface Water >3,300 pop	0	0	$0	$0	NA	NA

Treated Monitoring - sources requiring treatment

	Source Count		Total Cost ($) Year 1		Total Cost ($) Year 2	
Water type\# Svc Conn	<200	>=200	<200	>=200	<200	>=200
Groundwater <=3,300 pop	12	0	NA	NA	$25,344	$0
Groundwater >3,300 pop	0	39	NA	NA	$0	$82,368
Surface Water <=3,300 pop	0	0	NA	NA	$0	$0
Surface Water >3,300 pop	0	0	NA	NA	$0	$0

Increased Monitoring - currently treated sources

	Source Count		Total Cost ($) Year 1		Total Cost ($) Year 2	
Water type\# Svc Conn	<200	>=200	<200	>=200	<200	>=200
Groundwater <=3,300 pop	0	0	NA	NA	NA	NA
Groundwater >3,300 pop	0	18	NA	$9,504	NA	$9,504
Surface Water <=3,300 pop	0	0	NA	NA	NA	NA
Surface Water >3,300 pop	0	0	NA	NA	NA	NA

Treated Monitoring - treated sources

	Source Count		Total Cost ($) Year 1		Total Cost ($) Year 2	
Water type\# Svc Conn	<200	>=200	<200	>=200	<200	>=200
Groundwater <=3,300 pop	0	0	$0	$0	$0	$0
Groundwater >3,300 pop	0	9	$0	$19,008	$0	$19,008
Surface Water <=3,300 pop	0	0	$0	$0	$0	$0
Surface Water >3,300 pop	0	0	$0	$0	$0	$0

TABLE 2
ESTIMATED MONITORING COSTS

MCL = 150 ppt

Increased Monitoring - sources not requiring treatment

	Source Count		Total Cost ($) Year 1		Total Cost ($) Year 2	
Water type\# Svc Conn	<200	>=200	<200	>=200	<200	>=200
Groundwater <=3,300 pop	43	15	$ 22,704	$7,920	$22,704	$7,920
Groundwater >3,300 pop	0	365	$0	$ 192,720	$0	$ 192,720
Surface Water <=3,300 pop	1	0	$528	$0	$528	$0
Surface Water >3,300 pop	0	4	$0	$2,112	$0	$2,112

Increased Monitoring - sources requiring treatment

	Source Count		Total Cost ($) Year 1		Total Cost ($) Year 2	
Water type\# Svc Conn	<200	>=200	<200	>=200	<200	>=200
Groundwater <=3,300 pop	3	0	$1,584	$0	NA	NA
Groundwater >3,300 pop	0	13	$0	$13,728	NA	NA
Surface Water <=3,300 pop	0	0	$0	$0	NA	NA
Surface Water >3,300 pop	0	0	$0	$0	NA	NA

Treated Monitoring - sources requiring treatment

	Source Count		Total Cost ($) Year 1		Total Cost ($) Year 2	
Water type\# Svc Conn	<200	>=200	<200	>=200	<200	>=200
Groundwater <=3,300 pop	3	0	NA	NA	$6,336	$0
Groundwater >3,300 pop	0	13	NA	NA	$0	$27,456
Surface Water <=3,300 pop	0	0	NA	NA	$0	$0
Surface Water >3,300 pop	0	0	NA	NA	$0	$0

Increased Monitoring - currently treated sources

	Source Count		Total Cost ($) Year 1		Total Cost ($) Year 2	
Water type\# Svc Conn	<200	>=200	<200	>=200	<200	>=200
Groundwater <=3,300 pop	0	0	NA	NA	NA	NA
Groundwater >3,300 pop	0	23	NA	$12,144	NA	$12,144
Surface Water <=3,300 pop	0	0	NA	NA	NA	NA
Surface Water >3,300 pop	0	0	NA	NA	NA	NA

Treated Monitoring - treated sources

	Source Count		Total Cost ($) Year 1		Total Cost ($) Year 2	
Water type\# Svc Conn	<200	>=200	<200	>=200	<200	>=200
Groundwater <=3,300 pop	0	0	$0	$0	$0	$0
Groundwater >3,300 pop	0	4	$0	$8,448	$0	$8,448
Surface Water <=3,300 pop	0	0	$0	$0	$0	$0
Surface Water >3,300 pop	0	0	$0	$0	$0	$0

TABLE 3
ESTIMATED TREATMENT COSTS

MCL = 5 ppt

Excluding 1,2,3-TCP Treated Sources

# Service Connections	# of Sources	Total Capital Costs	Total Annualized Costs	Total O&M Costs	Total Annual Costs
<200	36	$3,468,772	$327,452	$344,545	$671,997
>=200	229	$93,644,293	$8,840,021	$19,084,619	$27,924,640

1,2,3-TCP Treated Sources

# Service Connections	# of Sources	Total O&M Costs
<200	0	$0
>=200	24	$4,702,830

MCL = 7 ppt

Excluding 1,2,3-TCP Treated Sources

# Service Connections	# of Sources	Total Capital Costs	Total Annualized Costs	Total O&M Costs	Total Annual Costs
<200	33	$3,121,926	$294,710	$305,297	$600,007
>=200	189	$67,842,119	$6,404,296	$14,997,803	$21,402,099

1,2,3-TCP Treated Sources

# Service Connections	# of Sources	Total O&M Costs
<200	0	$0
>=200	23	$4,442,138

MCL = 15 ppt

Excluding 1,2,3-TCP Treated Sources

# Service Connections	# of Sources	Total Capital Costs	Total Annualized Costs	Total O&M Costs	Total Annual Costs
<200	21	$1,893,936	$178,788	$197,764	$376,552
>=200	130	$50,014,423	$4,721,361	$10,860,601	$15,581,962

1,2,3-TCP Treated Sources

# Service Connections	# of Sources	Total O&M Costs
<200	0	$0
>=200	23	$4,442,138

Acronyms:

1,2,3-TCP - 1,2,3-Trichloropropane
O&M - Operations and Maintenance
ppt - parts per trillion

TABLE 3
ESTIMATED TREATMENT COSTS

MCL = 35 ppt

Excluding 1,2,3-TCP Treated Sources

# Service Connections	# of Sources	Total Capital Costs	Total Annualized Costs	Total O&M Costs	Total Annual Costs
<200	16	$1,455,912	$137,438	$146,194	$283,632
>=200	71	$23,123,731	$2,182,880	$5,543,678	$7,726,558

1,2,3-TCP Treated Sources

# Service Connections	# of Sources	Total O&M Costs
<200	0	$0
>=200	17	$3,155,695

MCL = 70 ppt

Excluding 1,2,3-TCP Treated Sources

# Service Connections	# of Sources	Total Capital Costs	Total Annualized Costs	Total O&M Costs	Total Annual Costs
<200	12	$1,151,373	$108,690	$113,218	$221,907
>=200	39	$15,497,472	$1,462,961	$3,389,537	$4,852,498

1,2,3-TCP Treated Sources

# Service Connections	# of Sources	Total O&M Costs
<200	0	$0
>=200	9	$1,433,324

MCL = 150 ppt

Excluding 1,2,3-TCP Treated Sources

# Service Connections	# of Sources	Total Capital Costs	Total Annualized Costs	Total O&M Costs	Total Annual Costs
<200	3	$216,106	$20,400	$28,193	$48,594
>=200	13	$8,684,993	$819,863	$1,567,475	$2,387,338

1,2,3-TCP Treated Sources

# Service Connections	# of Sources	Total O&M Costs
<200	0	$0
>=200	4	$734,763

TABLE 4

COST SUMMARIES AND ESTIMATED REDUCTION IN CANCER CASES

MCL = 5 ppt	Total Monitoring Costs (Year 2+)		Annualized Capital Costs		Annual O&M Costs		Total Annual Costs	
	Groundwater	Surface Water	Groundwater	Surface Water	Groundwater	Surface Water	Groundwater	Surface Water
<200 Svc Conn	$76,032	$0	$327,452	$0	$344,545	$0	$748,029	$0
>=200 Svc Conn	$534,336	$0	$8,840,021	$0	$23,787,449	$0	$33,161,806	$0

Cost/Source	# Sources	Annual Cost/Source
<200 Svc Conn	36	$20,779
>=200 Svc Conn	253	$131,074

Cost/Svc Conn	# Svc Conn	Annual Cost/Svc Conn
<200 Svc Conn	1,229	$609
>=200 Svc Conn	1,302,502	$25

Cost/System	# Systems	Annual Cost/System
<200 Svc Conn	33	$22,668
>=200 Svc Conn	70	$473,740

Cost-Benefit	Est. Cancer Reduction	Est. Cost/Reduction
<200 Svc Conn	0.01	$97,054,860
>=200 Svc Conn	2.35	$14,116,733

Costs are for systems requiring treatment. Monitoring costs for non-contaminated sources and contaminated sources without treatment are not included.

Includes estimated reduction in theoretical cancer case per year for existing 1,2,3-TCP treated systems

Acronyms:

1,2,3-TCP - 1,2,3-Trichloropropane
Est. - Estimated
MCL - Maximum Contaminant Level
O&M - Operations and Maintenance
Svc Conn- Service Connection
ppt- parts per trillion

TABLE 4

COST SUMMARIES AND ESTIMATED REDUCTION IN CANCER CASES

MCL = 7 ppt	Total Monitoring Costs (Year 2+)		Annualized Capital Costs		Annual O&M Costs		Total Annual Costs	
	Groundwater	Surface Water	Groundwater	Surface Water	Groundwater	Surface Water	Groundwater	Surface Water
<200 Svc Conn	$69,696	$0	$294,710	$0	$305,297	$0	$669,703	$0
>=200 Svc Conn	$447,744	$0	$6,404,296	$0	$19,439,941	$0	$26,291,981	$0

Cost/Source	# Sources	Annual Cost/Source
<200 Svc Conn	33	$20,294
>=200 Svc Conn	212	$124,019

Costs are for systems requiring treatment. Monitoring costs for non-contaminated sources and contaminated sources without treatment are not included.

Cost/Svc Conn	# Svc Conn	Annual Cost/Svc Conn
<200 Svc Conn	1,015	$660
>=200 Svc Conn	1,091,435	$24

Cost/System	# Systems	Annual Cost/System
<200 Svc Conn	30	$22,323
>=200 Svc Conn	59	$445,627

Cost-Benefit	Est. Cancer Reduction	Est. Cost/Reduction
<200 Svc Conn	0.01	$89,191,626
>=200 Svc Conn	2.31	$11,360,640

Includes estimated reduction in theoretical cancer case per year for existing 1,2,3-TCP treated systems

TABLE 4

COST SUMMARIES AND ESTIMATED REDUCTION IN CANCER CASES

MCL = 15 ppt	Total Monitoring Costs (Year 2+)		Annualized Capital Costs		Annual O&M Costs		Total Annual Costs	
	Groundwater	Surface Water	Groundwater	Surface Water	Groundwater	Surface Water	Groundwater	Surface Water
<200 Svc Conn	$44,352	$0	$178,788	$0	$197,764	$0	$420,904	$0
>=200 Svc Conn	$323,136	$0	$4,721,361	$0	$15,302,739	$0	$20,347,236	$0

Cost/Source	# Sources	Annual Cost/Source
<200 Svc Conn	21	$20,043
>=200 Svc Conn	153	$132,988

Costs are for systems requiring treatment. Monitoring costs for non-contaminated sources and contaminated sources without treatment are not included.

Cost/Svc Conn	# Svc Conn	Annual Cost/Svc Conn
<200 Svc Conn	701	$600
>=200 Svc Conn	990,653	$21

Cost/System	# Systems	Annual Cost/System
<200 Svc Conn	19	$22,153
>=200 Svc Conn	47	$432,920

Cost-Benefit	Est. Cancer Reduction	Est. Cost/Reduction
<200 Svc Conn	0.01	$60,958,056
>=200 Svc Conn	2.21	$9,221,521

Includes estimated reduction in theoretical cancer case per year for existing 1,2,3-TCP treated systems

TABLE 4

COST SUMMARIES AND ESTIMATED REDUCTION IN CANCER CASES

MCL = 35 ppt	Total Monitoring Costs (Year 2+)		Annualized Capital Costs		Annual O&M Costs		Total Annual Costs	
	Groundwater	Surface Water	Groundwater	Surface Water	Groundwater	Surface Water	Groundwater	Surface Water
<200 Svc Conn	$33,792	$0	$137,438	$0	$146,194	$0	$317,424	$0
>=200 Svc Conn	$185,856	$0	$2,182,880	$0	$8,699,373	$0	$11,068,110	$0

Cost/Source	# Sources	Annual Cost/Source
<200 Svc Conn	16	$19,839
>=200 Svc Conn	88	$125,774

Costs are for systems requiring treatment. Monitoring costs for non-contaminated sources and contaminated sources without treatment are not included.

Cost/Svc Conn	# Svc Conn	Annual Cost/Svc Conn
<200 Svc Conn	502	$632
>=200 Svc Conn	809,396	$14

Cost/System	# Systems	Annual Cost/System
<200 Svc Conn	14	$22,673
>=200 Svc Conn	31	$357,036

Cost-Benefit	Est. Cancer Reduction	Est. Cost/Reduction
<200 Svc Conn	0.01	$54,210,530
>=200 Svc Conn	2.01	$5,498,899

Includes estimated reduction in theoretical cancer case per year for existing 1,2,3-TCP treated systems

TABLE 4

COST SUMMARIES AND ESTIMATED REDUCTION IN CANCER CASES

MCL = 70 ppt	Total Monitoring Costs (Year 2+)		Annualized Capital Costs		Annual O&M Costs		Total Annual Costs	
	Groundwater	Surface Water	Groundwater	Surface Water	Groundwater	Surface Water	Groundwater	Surface Water
<200 Svc Conn	$25,344	$0	$108,690	$0	$113,218	$0	$247,251	$0
>=200 Svc Conn	$101,376	$0	$1,462,961	$0	$4,822,861	$0	$6,387,198	$0

Cost/Source	# Sources	Annual Cost/Source
<200 Svc Conn	12	$20,604
>=200 Svc Conn	48	$133,067

Costs are for systems requiring treatment. Monitoring costs for non-contaminated sources and contaminated sources without treatment are not included.

Cost/Svc Conn	# Svc Conn	Annual Cost/Svc Conn
<200 Svc Conn	494	$501
>=200 Svc Conn	470,454	$14

Cost/System	# Systems	Annual Cost/System
<200 Svc Conn	12	$20,604
>=200 Svc Conn	18	$354,844

Cost-Benefit	Est. Cancer Reduction	Est. Cost/Reduction
<200 Svc Conn	0.00	$56,229,876
>=200 Svc Conn	1.84	$3,466,775

Includes estimated reduction in theoretical cancer case per year for existing 1,2,3-TCP treated systems

TABLE 4

COST SUMMARIES AND ESTIMATED REDUCTION IN CANCER CASES

MCL = 150 ppt	Total Monitoring Costs (Year 2+)		Annualized Capital Costs		Annual O&M Costs		Total Annual Costs	
	Groundwater	Surface Water	Groundwater	Surface Water	Groundwater	Surface Water	Groundwater	Surface Water
<200 Svc Conn	$6,336	$0	$20,400	$0	$28,193	$0	$54,930	$0
>=200 Svc Conn	$35,904	$0	$819,863	$0	$2,302,238	$0	$3,158,005	$0

Cost/Source	# Sources	Annual Cost/Source
<200 Svc Conn	3	$18,310
>=200 Svc Conn	17	$185,765

Costs are for systems requiring treatment. Monitoring costs for non-contaminated sources and contaminated sources without treatment are not included.

Cost/Svc Conn	# Svc Conn	Annual Cost/Svc Conn
<200 Svc Conn	63	$872
>=200 Svc Conn	309,934	$10

Cost/System	# Systems	Annual Cost/System
<200 Svc Conn	3	$18,310
>=200 Svc Conn	9	$350,889

Cost-Benefit	Est. Cancer Reduction	Est. Cost/Reduction
<200 Svc Conn	0.00	$21,484,980
>=200 Svc Conn	1.62	$1,945,241

Includes estimated reduction in theoretical cancer case per year for existing 1,2,3-TCP treated systems