

# ROCKY FLATS ENVIRONMENTAL TECHNOLOGY SITE ER REGULATORY CONTACT RECORD

**Date/Time:** 07-06-05 / 13:00

**Site Contact(s)/Phone:** DOE: Norma Castaneda/966-4226  
K-H Team: Karmen King/966-2303, Julie Keating/966-5205,  
Susan Serreze/966-2677, Karen Wiemelt/994-6239 & Diana  
Woods/994-4261

**Regulatory Contact/Phone:** EPA: Sam Garcia/312-6247 & Larry Kimmel/312-6659 &  
Todd Bechtel/Greystone/850-0930  
CDPHE: Harlen Ainscough/692-3337 & David Kruchek/  
692-3328  
USFWS: Mark Sattelberg/966-5413, Amy Thornburg/966-5777  
& Andrew Todd/966-2142

**Agency:** EPA/CDPHE/USFWS

**Purpose of Contact:** Authorization to begin sediment sampling at Ponds A-1 and C-2

## Discussion

It was agreed that sediment sampling at Ponds A-1 and C-2 would begin as discussed in the Biweekly Coordination Meeting on July 6, 2005. Approximate sampling locations were agreed to in the meeting and are shown on the attached two figures. Locations may be modified based on actual field conditions to sample the potentially thickest sediment package in the designated areas. Modified locations will be based on the surface and topological features seen in the field as well as sampling near the inlet and deepest locations of these ponds.

Sampling will begin in advance of the draft Sampling and Analysis Plan Addendum approval to accommodate the ponds current condition (drained). The draft Sampling and Analysis Plan Addendum will be submitted on July 7, 2005.

**Contact Record Prepared By:** Karen Wiemelt

## Required Distribution:

M. Aguilar, USEPA  
H. Ainscough, CDPHE  
S. Bell, DOE-RFPO  
J. Berardini, K-H  
B. Birk, DOE-RFPO  
L. Brooks, K-H ESS  
L. Butler, K-H RISS  
G. Carnival, K-H RISS  
N. Castaneda, DOE-RFPO  
C. Deck, K-H Legal  
N. Demos, SSOC

D. Mayo, K-H RISS  
J. Mead, K-H ESS  
S. Nesta, K-H RISS  
L. Norland, K-H RISS  
K. North, K-H ESS  
E. Pottorff, CDPHE  
A. Primrose, K-H RISS  
M. Roy, DOE-RFPO  
R. Schassburger, DOE-RFPO  
S. Serreze, K-H RISS  
D. Shelton, K-H ESS

## Additional Distribution:

Robyn Blackburn/EPA/USFWS  
Tracy Hammond/CDPHE

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ADMIN RECORD

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S. Gunderson, CDPHE  
M. Keating, K-H RISS  
G. Kleeman, USEPA  
D. Kruchek, CDPHE  
J. Legare, DOE-RFPO

C. Spreng, CDPHE  
S. Surovchak, DOE-RFPO  
J. Walstrom, K-H RISS  
K. Wiemelt, K-H RISS  
C. Zahm, K-H Legal

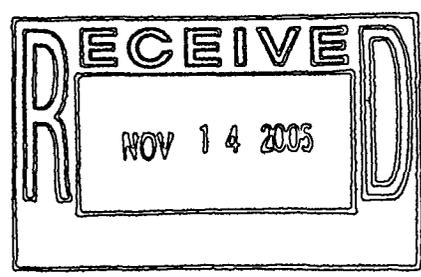
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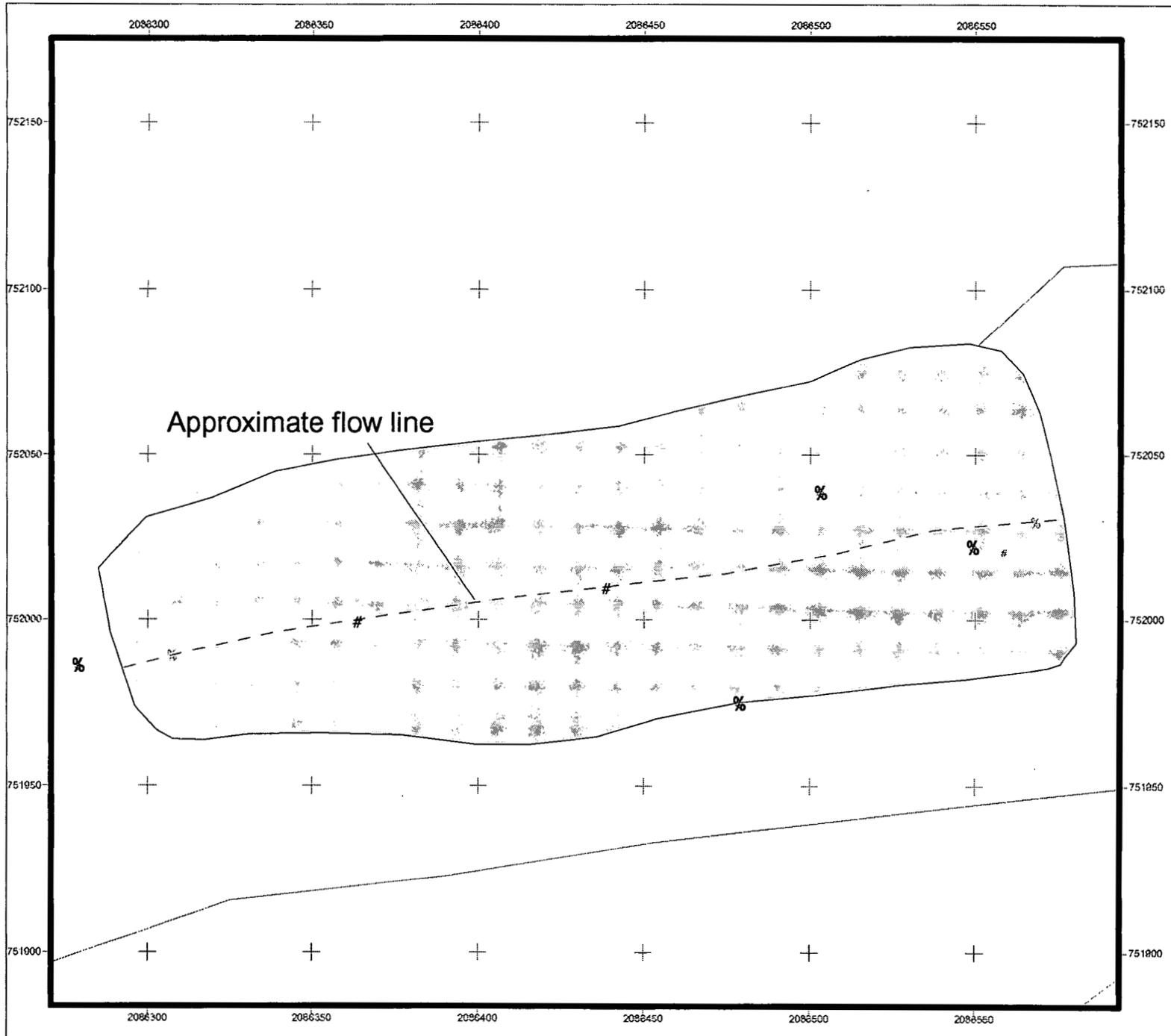
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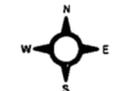


### Pond A-1 Existing and Proposed New Sampling Locations

#### KEY

- % Proposed Surface Sediment Location
- # Proposed Borehole Location
- # 2004 Sampling Location
- # 1997 Sampling Location
- # 1994 Sampling Location
- % 1992 Sampling Location
- Pond
- ~ Stream
- - - Dirt Road

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9 0 9 18 27 Feet

Scale = 1:1400

State Plane Coordinate Projection  
Colorado Central Zone  
Datum: NAD 27

U.S. Department of Energy  
Rocky Flats Environmental Technology Site

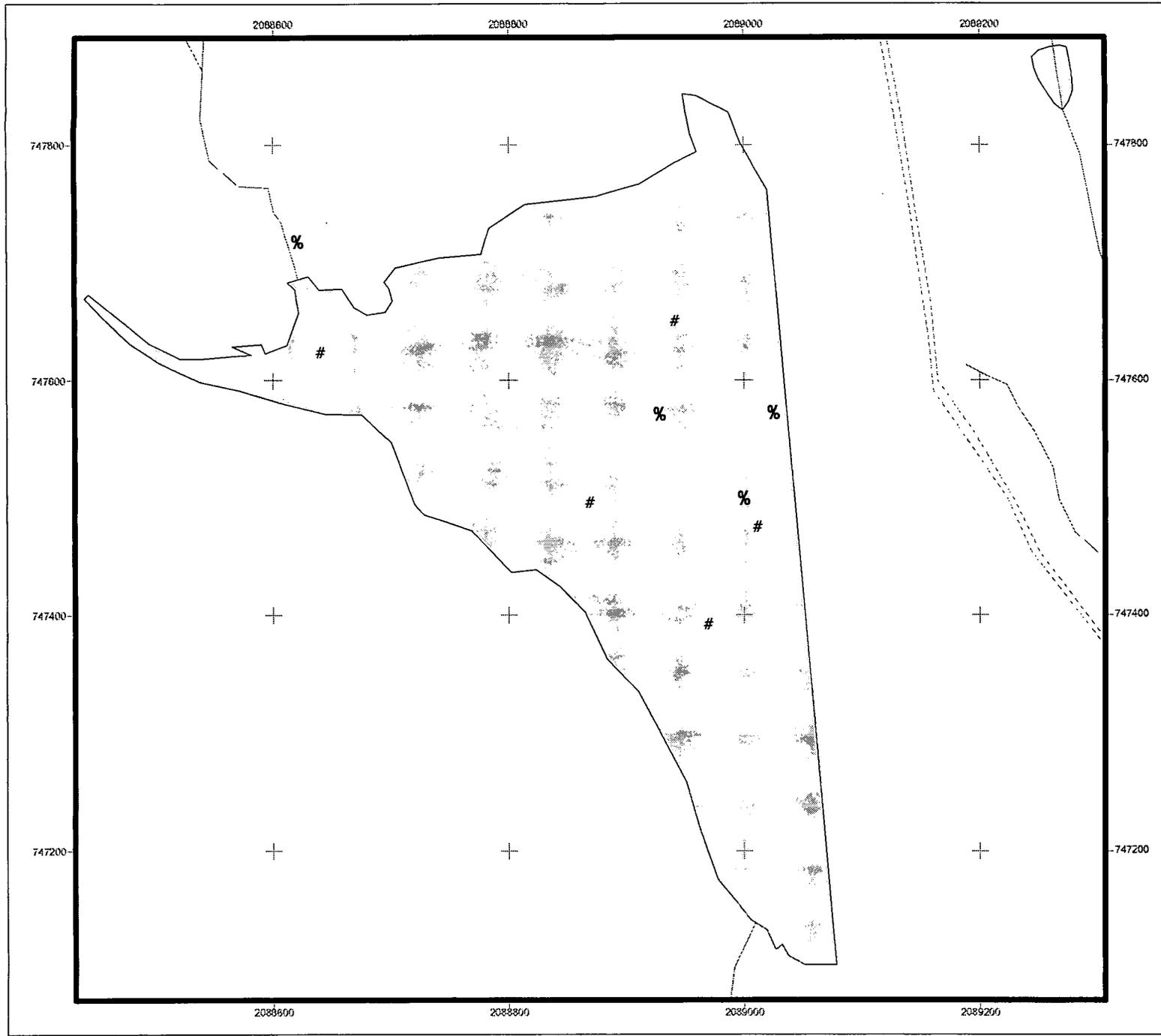
Prepared by:



Prepared for:



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### Pond C-2 Existing and Proposed New Sampling Locations

- KEY**
- % Proposed Surface Sediment Location
  - # Proposed Borehole Location
  - # 2004 Sampling Location
  - # 1997 Sampling Location
  - # 1994 Sampling Location
  - % 1992 Sampling Location
  - Pond
  - Stream
  - ... Dirt Road

**DRAFT**



20 0 20 40 60 Feet

Scale = 1:1400

State Plane Coordinate Projection  
Colorado Central Zone  
Datum: NAD 27

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Prepared by:



Prepared for:



Table 1  
Additional Surface Water ESLs  
not included in the CRA Methodology

ECOI	Acute (µg/L)	Chronic (µg/L)	Type of Benchmark (AWQC or Tier II)	Source Benchmark	Notes
1,1,2-Trichloro-1,2,2-trifluoroethane	570	32	Tier II	MIDEQ 2003	
1,1-Dichloropropene	UT	UT			
1,2,3-Trichlorobenzene	UT	8	CWQ	CCME 2002	
1,2,3-Trichloropropane	UT	UT			
1,2,4-Trimethylbenzene	310	17	Tier II	MIDEQ 2003	
1,2-Dibromo-3-chloropropane	UT	UT			
1,2-Dichlorobenzene	240	13	Tier II	MIDEQ 2003	
1,3,5-Trimethylbenzene	810	45	Tier II	MIDEQ 2003	
1,3-Dichlorobenzene	200	28	Tier II	MIDEQ 2003	
2,4,6-Trichlorophenol	79	5	Tier II	MIDEQ 2003	
2-Chloroethyl vinyl ether	UT	UT			
2-Hexanone	1,800	99	Tier II	DOE 1996c	
2-Nitrophenol	UT	UT			
4,4'-DDT	0.55	0.001	AWQC	CDPHE 2002	
4-Bromofluorobenzene	UT	UT			
4-Bromophenyl-phenylether	UT	UT	AWQC	CCME 2002	
4-Chlorotoluene	UT	UT			
4-Isopropyltoluene	UT	UT			
Acenaphthene	1,700	520	AWQC	CDPHE 2002	
Alkalinity	UT	UT			
Ammonia	0.077	0.02	AWQC	CDPHE 2002	
Atraton	UT	UT			
Atrazine	100	7.3	Tier II	MIDEQ 2003	
Benzo(a,h)perylene	UT	UT			
Benzyl Alcohol	150	8.6	Tier II	DOE 1996c	
beta-Chlordane	UT	UT			
Bicarbonate	UT	UT			
bis(2-Chloroisopropyl) ether	UT	29	CWQ	CCME 2002	
Boron	31,000	1,900	Tier II	MIDEQ 2003	
Bromide	UT	UT			
Bromochloromethane	UT	UT			
Carbazole	72	4	Tier II	MIDEQ 2003	
Carbonate	UT	UT			
Cerium	UT	UT			
Cesium	UT	UT			
Chloride	860,000	230,000	AWQC	EPA 2002	
Chlorodifluoromethane	UT	UT			
cis-Chlordane	UT	UT			
Dalapon	UT	UT			
Decachlorobiphenyl	UT	UT			
delta-BHC	39	2.2	Tier II	DOE 1996c	Value for BHC Other used.
Dibenz(a,h)anthracene	UT	UT			
Dicamba	UT	10	CWQ	CCME 2002	
Dichlorodifluoromethane	UT	UT			
Dichlorofluoromethane	2,600	150	Tier II	MIDEQ 2003	
Dichloroprop	UT	UT			
Dimethoate	UT	UT			
Dinoseb	9.5	0.48	Tier II	MIDEQ 2003	
Endosulfan I	0.22	0.056	AWQC	EPA 2002	Value for alpha-endosulfan used.
Endrin	0.086	0.036	AWQC	CDPHE 2002	
Heptachlor epoxide	0.52	0.0038	AWQC	CDPHE 2002	
Isopropylbenzene	UT	UT			
Magnesium	UT	UT			
n-Butylbenzene	UT	UT			
Nitrite	8950	4470	AWQC	CDPHE 2002	Updated value, calc. using non-salmonid formula [Cl-] = 22 mg/L.
N-Nitrosomorpholine	UT	UT			
n-Propylbenzene	UT	UT			
Ortho-phosphate	UT	UT			
PCB-1254	2	0.014	AWQC	CDPHE 2002	
PCB-1260	2	0.014	AWQC	CDPHE 2002	
Phosphate	UT	UT			
Phosphorus	UT	UT			
Potassium	UT	UT			
Prometon	UT	UT			
sec-Butylbenzene	UT	UT			
Silica	UT	UT			
Silicon	UT	UT			
Simazine	UT	10	CWQ	CCME 2002	
Sodium	UT	UT			
Sulfate	UT	UT			
Sulfide	UT	UT			
Titanium	UT	UT			
trans-1,2-Dichloroethene	28,000	1,500	Tier II	MIDEQ 2003	
Tritium	UT	UT			
Uranium	2402	1501	Tier II	CDPHE 2002	Updated value, hardness dependent = 100 mg/L.

NOTES: UT = Uncertain toxicity; AWQC = Ambient Water Quality Criteria; CWQ = Chronic Water Quality

Citations by priority

- 1) CDPHE 2002
- 2) EPA 2002
- 3) MIDEQ 2003
- 4) CCME 2002
- 5) DOE 1996c
- 6) NY State 1998

5/15