



Department of Energy

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Fernald Closure Project  
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6095

JAN 17 2006

Mr. James A. Saric, Remedial Project Manager  
United States Environmental Protection Agency  
Region V-SRF-5J  
77 West Jackson Boulevard  
Chicago, Illinois 60604-3590

DOE-0056-06

Mr. Thomas Schneider, Project Manager  
Ohio Environmental Protection Agency  
Southwest District Office  
401 East Fifth Street  
Dayton, Ohio 45402-2911

Dear Mr. Saric and Mr. Schneider:

**TRANSMITTAL OF REVISED RESPONSES TO ADDITIONAL OHIO ENVIRONMENTAL PROTECTION AGENCY COMMENTS AND THE FINAL WAC ATTAINMENT PLAN FOR SEDIMENT IN THE STORM WATER RETENTION BASINS**

Reference: Letter DOE-0046-06, J. Reising to J. Saric/T. Schneider, "Transmittal of Responses to U.S. Environmental Protection Agency Comments and Ohio Environmental Protection Agency Comments on the Draft WAC Attainment Plan for Sediment in the Storm Water Retention Basins," dated December 14, 2005

Enclosed for your approval are the revised responses to Ohio Environmental Protection Agency (OEPA) comments and the final Waste Acceptance Criteria (WAC) Attainment Plan for Sediment in the Storm Water Retention Basins. The comment responses have been revised based on verbal discussions between Fluor Fernald, U.S. Department of Energy, and OEPA during the December 20, 2005 Weekly Conference Call. The final WAC Attainment Plan for Sediment in the Storm Water Retention Basins has been revised to incorporate these revised comments.

If you have any questions or require additional information, please contact me at (513) 648-3139.

Sincerely,

Johnny W. Reising  
Director

Mr. James A. Saric  
Mr. Tom Schneider

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DOE-0056-06

Enclosures

cc w/enclosures:

J. Desormeau, OH/FCP  
T. Schneider, OEPA-Dayton (three copies of enclosures)  
G. Jablonowski, USEPA-V, SR-6J  
M. Cullerton, Tetra Tech  
M. Shupe, HSI GeoTrans  
R. Vandegrift, ODH  
AR Coordinator, Fluor Fernald, Inc./MS6

cc w/o enclosures:

J. Chiou, Fluor Fernald, Inc./MS88  
F. Johnston, Fluor Fernald, Inc./MS12  
C. Murphy, Fluor Fernald, Inc./MS1

**RESPONSES TO  
U.S. ENVIRONMENTAL PROTECTION AGENCY  
AND REVISED RESPONSES TO  
OHIO ENVIRONMENTAL PROTECTION AGENCY  
COMMENTS ON THE DRAFT WAC ATTAINMENT PLAN  
FOR SEDIMENT IN THE  
STORM WATER RETENTION BASINS**

**FERNALD CLOSURE PROJECT  
FERNALD, OHIO**

**JANUARY 2006**

**U.S. DEPARTMENT OF ENERGY**

**RESPONSES TO U.S. ENVIRONMENTAL PROTECTION AGENCY  
TECHNICAL REVIEW COMMENTS ON THE  
DRAFT WAC ATTAINMENT PLAN FOR  
SEDIMENT IN THE STORM WATER RETENTION BASINS  
(20500-PL-0004, REVISION A)**

**SPECIFIC COMMENTS**

Commenting Organization: U.S. EPA

Commentor: Saric

Section #: 4

Page #: 1

Line #: Not Applicable (NA)

Original Specific Comment #: 1

**Comment:** The text states that two sediment samples collected in 2004 from the Center and East Basins each were above the waste acceptance criteria (WAC) for technetium-99 and that all sediment samples collected from the West Basin were below-WAC for uranium and technetium-99 and refers to Figure 1. The text should be revised to state the WAC for uranium and technetium-99, the constituents of concern for the Storm Water Retention Basins. Also, according to Figure 1, all sediment samples were collected from the perimeter of the three basins. Additional sediment samples should be collected from the center (deeper) parts of the basins to make a proper WAC attainment determination for the three Storm Water Retention Basins. The appropriate sections of the plan should be revised accordingly.

**Response:** Agree. The deeper portions of the basins were characterized by adding six locations to the center of the west basin and an additional location was collected in the center of the middle basin. Once off line, the east basin will be re-sampled as well. These new data from the west basin reaffirm the conclusion that the west basin meets the On-Site Disposal Facility (OSDF) WAC. Based on the visual indications of resin in the center basin, the center basin does not meet the OSDF WAC and will therefore be sent to Soil Stockpile (SP) 7 for off-site disposal. The additional sample results from the middle basin for Envirocare WAC are consistent with all previous samples from this basin.

**Action:** The text will be revised to list the WAC for both uranium and technetium-99. Additionally, the text will be revised to incorporate the description of this most recent sampling activity and to provide discussion of the results from these samples.

Commenting Organization: U.S. EPA

Commentor: Saric

Section #: 5

Page #: 2

Line #: NA

Original Specific Comment #: 1

**Comment:** The text states that two samples collected in 2005 from the Center Basin were greater than the '20 times rule' for total selenium and refers to Figure 2. Figure 2 indicates that the four sediment samples collected from the Center Basin were collected from the perimeter of the basin and not the center (deeper) part. Additional sediment samples should be collected from the center of all three Storm Water Retention Basins and analyzed for Envirocare WAC parameters. The appropriate sections of the plan should be revised accordingly.

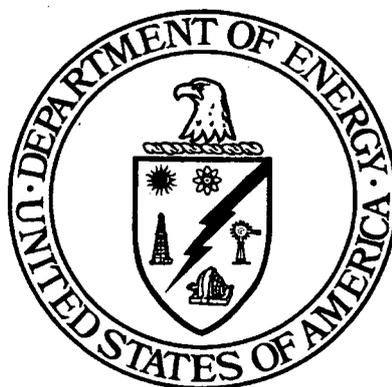
**Response:** Agree. Each of the additional samples described in the above response (U.S. EPA Specific Comment No. 1) were analyzed for the Envirocare WAC parameters.

**Action:** The text will be revised to incorporate the description of this most recent sampling activity and to provide discussion of the results from these samples including the Envirocare WAC parameters.



# **WAC ATTAINMENT PLAN FOR SEDIMENT IN THE STORM WATER RETENTION BASINS**

**FERNALD CLOSURE PROJECT  
FERNALD, OHIO**



**JANUARY 2006**

**U.S. DEPARTMENT OF ENERGY**

**20500-PL-0004  
REVISION 0  
FINAL**

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## LIST OF ACRONYMS AND ABBREVIATIONS

CAAWT	Converted Advanced Wastewater Treatment (Facility)
DOE	U.S. Department of Energy
FCP	Fernald Closure Project
FRL	final remediation level
mg/kg	milligrams per kilogram
OSDF	On-Site Disposal Facility
pCi/g	picoCuries per gram
RCRA	Resource Conservation and Recovery Act
SP	Soil Stockpile
SPIT	South Plume Interim Treatment
SWRB	Storm Waster Retention Basin
TCLP	Toxicity Characteristic Leaching Procedure
WAC	waste acceptance criteria
WAO	Waste Acceptance Organization

## WAC ATTAINMENT PLAN FOR SEDIMENT IN THE STORM WATER RETENTION BASINS

### 1. INTRODUCTION

There are estimated up to 5,000 cubic yards of sediment in the Storm Water Retention Basins (SWRBs) that need to be removed and disposed of prior to excavation of the liner and underlying soil. This Waste Acceptance Criteria (WAC) Attainment Plan describes the data collection activities that have been completed that can support the On-Site Disposal Facility (OSDF) WAC attainment determination for the sediment currently in the SWRBs located in Area 7.

### 2. PURPOSE

The purpose of this WAC Attainment Plan is to present characterization data for the sediment in the Center and West SWRBs that has been collected to date, detail the future sample collection of the East basin, and provide the remediation process and excavation controls that will be used for the sediment in all basins.

### 3. SCOPE

The material included within the scope of this WAC Attainment Plan is the sediment that is contained in the Center, West, and East SWRB. The SWRBs are located in Remediation Area 7 and are comprised of three basins: a Center settling basin as well as a basin to the East and one to the West. Each basin is constructed with a synthetic liner over a compacted clay liner. The Center and West basins have been taken offline and will be excavated first while the East basin will stay online until the Converted Advanced Wastewater Treatment (CAWWT) Facility backwash basin is operational.

### 4. 2004 SAMPLING

Sediment in the SWRBs was sampled in March of 2004 under the Project Specific Plan for Sampling of Miscellaneous Areas for OSDF WAC Attainment (DOE 2001) for uranium and technetium-99 [WAC limit of 1030 milligrams/kilogram (mg/kg) and 29.1 picoCuries/gram (pCi/g), respectively] only with seven (7) samples being collected from the West basin, two (2) samples from the Center basin, and nine (9) samples from the East basin. While all samples from the West basin were below-WAC for total uranium and technetium-99, both samples from the Center and two samples from the East basin were above-WAC for technetium-99 only. Figure 1 shows the sample locations and corresponding uranium and technetium-99 results with the data presented in Table 1.

### 5. 2005 SAMPLING

Based on the assumption that the waste stream has not changed in the past year and a half, four additional samples were collected from the Center basin in August 2005 under the Project Specific Plan for Sampling of Material on the Eastern Portion of Soil Pile AR6-006 (Former SP-7) for Envirocare's Waste

Acceptance Criteria (Supplement to 20300-PSP-0011), (DOE 2005). The samples were analyzed for Envirocare's WAC constituents (see Table 2) in order to further characterize the sediment for off-site disposal at Envirocare. Two samples were greater than the "20 times rule" for total selenium and total lead, and were subsequently submitted for toxicity characteristic leaching procedure (TCLP) analysis with results demonstrating conditions below the Resource Conservation and Recovery Act (RCRA) TCLP limit for selenium and lead. Although the new data from the four samples were below the OSDF WAC for technetium-99, based on visual indications of resin in the Center basin, the Center basin does not meet the OSDF WAC. Additional samples were collected in October of 2005 (A7-SWRBC-S-7 and A7-SWRBC-8) and November of 2005 (A7-SWRBC-SM-1 and A7-SWRBC-SM-2) after additional material was sent to the Center basin from South Plume Interim Treatment (SPIT) activities, and the samples were above the OSDF WAC for uranium and technetium-99. Sediment from the Center basin will therefore be sent to Soil Stockpile (SP) 7 for off-site disposal. Figure 2 shows the corresponding total uranium and technetium-99 results and for the first four samples collected for analysis of the Envirocare WAC constituents. All data for samples collected from the Center basin are provided in Table 3.

Six additional samples were collected from the West basin to confirm that the current conditions in the basin are below OSDF WAC for uranium and technetium-99 (see Figure 3 for sample locations and Table 4 for the data). These new samples were placed around the perimeter of the basin and near locations that approached the OSDF WAC for technetium-99 (A6-SWRBW-6). While all six samples were below the OSDF WAC for technetium-99 and total uranium, six additional samples (A7-SWRBW-S-7 through A7-SWRBW-S-12) were collected from the middle of the West basin for analysis of the Envirocare WAC constituents based on agency comments. Three samples, A7-SWRBW-S-10, A7-SWRBW-S-11, and A7-SWRBW-S-12 were greater than the "20 times rule" for total lead. The three samples were subsequently submitted for TCLP analysis with results demonstrating conditions below the RCRA TCLP limit for lead. All samples from the West basin demonstrated results below the OSDF WAC limit for total uranium and technetium-99 with the exception of A7-SWRBW-S-7, which was above the limit for technetium-99 with a result of 32.1 pCi/g. Upon investigation of this data, it was noted that the laboratory did not have a tracer recovery within the acceptable limits. The laboratory subsequently reanalyzed the sample, and with the tracer recovery being within acceptable limits, the sample had a result of 9.54 pCi/g. Four additional samples, A7-SWRBW-S-13 through A7-SWRBW-S-16, were collected around A7-SWRBW-S-7 for technetium-99 analysis for further information and all were below the OSDF WAC. All newly collected data demonstrate that the sediment in the West basin meets the OSDF WAC. Figure 4 shows the West basin sample locations and their associated total uranium and technetium-99 results. All data from samples collected at the West basin are provided in Table 4.

The change in the WAC status of the West basin is attributed to the periodic flushing of the sediment via the constant inflow and treatment of the water by the AWWT/CAWWT Facility over the past year and a half. This constant state of flux made this an extremely dynamic waste stream. Technetium-99, being the only historical above-WAC constituent of concern and being an extremely mobile contaminant, followed the water through the treatment system and did not remain in the sediment. Additionally, the storm water concentration has been decreasing significantly in the last two years. The West and Center basins have also been offline since early September 2005 when the rains from Hurricane Katrina came through the area.

Due to the sediment in the West basin being below the OSDF WAC as demonstrated in the recent sampling results, the sediment will be excavated and taken to the OSDF following the proper excavation controls.

#### 6. EXCAVATION CONTROL PROCESS FOR THE CENTER BASIN

The sediment from the Center basin will be transported to SP-7 for off-site disposal. Following removal of the sediment and the underlying synthetic liner and geotextile liner, the clay liner will be checked for above-WAC conditions through physical sampling and real-time monitoring systems.

#### 7. EXCAVATION CONTROL PROCESS FOR THE WEST BASIN

Typical of the excavation control process, real-time monitoring systems are employed to canvas excavations for above-WAC conditions due to uranium only since the real-time systems cannot determine technetium-99 concentrations. This process aids in the capturing of unidentified process residues exhibiting above-WAC uranium conditions. However, due to the nature of this sediment being saturated with water exceeding the capabilities of the real-time monitoring systems, real-time will not be able to be used. Consistent with the protocols established for all excavations, when real time cannot be employed, physical samples are taken at a frequency of one sample per 100 x 100-foot grid. This has already been done as described above on a much more conservative average density of one sample per 100 x 35-foot grid with every sample collected from the West basin well below WAC for uranium.

Additionally, as part of the typical excavation control process, visual inspection of the sediment from the West basin will be performed by Waste Acceptance Organization (WAO) personnel to identify any prevalent resin spills that may be present as mentioned above that may be considered potentially above WAC.

#### 8. REMEDATION PROCESS FOR THE CENTER BASIN

Due to the moisture content of the sediment being on the order of 50 to 60 percent, the sediment will require stabilization with a moisture reducing agent (e.g., flyash, lime, etc). The stabilizing agent will be

applied to the sediment. The sediment from the Center basin will be transported to SP-7 for subsequent off-site disposal.

#### 9. REMEDICATION PROCESS FOR THE WEST BASIN

Due to the moisture content of the sediment being on the order of 50 to 60 percent, the sediment will require stabilization with a moisture reducing agent (e.g., flyash, lime, etc). The stabilizing agent will be applied to the sediment. The sediment from the West basin will be hauled to a transfer point within the controlled area and hauled to the OSDF for placement.

If, based upon visual inspection by WAO personnel, prevalent resin is identified in the West Basin, the associated materials will be isolated such that all suspect above-WAC material will be further sampled and characterized to determine if the uranium concentration is above the OSDF WAC. If it is found to be above-WAC for uranium, the segregated materials will be transported to SP-7 for subsequent off-site disposal.

#### 10. FUTURE CHARACTERIZATION OF THE EAST BASIN

Currently, the East basin is the only basin receiving runoff water. Upon approval of this plan, sediment from the East basin will be sampled and analyzed to determine if it is below-WAC similar to the process described above. A visual inspection of the sediment will also be performed by WAO personnel. Due to the moisture content of the sediment, it is unlikely that a real-time scan can be completed. A variance/field change notice will be written to direct any future sampling.

#### 11. REMEDICATION PROCESS FOR THE EAST BASIN

If, upon obtaining physical sampling data that demonstrates the sediment in the East basin is below the OSDF WAC for uranium and technetium-99, the remediation process will be consistent with the process described for the West basin, and the sediment will be hauled to a transfer point within the controlled area and subsequently hauled to the OSDF for placement. If, however, the sediment in the East basin is above-the OSDF WAC for uranium and/or technetium-99, the remediation process will be consistent with the Center basin, and sediment will be hauled to SP-7 for off-site disposal. Due to the moisture content of the sediment being on the order of 50 to 60 percent, the sediment will require stabilization with a moisture reducing agent (e.g., flyash, lime, etc). The stabilizing agent will be applied to the sediment prior to transporting to either the OSDF or SP-7.

If, based upon visual inspection by WAO personnel, prevalent resin is identified, the associated materials will be isolated such that all suspect above-WAC material will be further sampled and characterized to determine if the uranium concentration is above the OSDF WAC. If it is found to be above-WAC for uranium, the segregated materials will be transported to the SP-7 area for subsequent off-site disposal.

## 12. REFERENCES

U.S. Department of Energy, 2001, "Project Specific Plan for Sampling of Miscellaneous Areas for WAC Attainment," Revision 0, Fernald Environmental Management Project, DOE, Fernald Area Office, Cincinnati, Ohio.

U.S. Department of Energy, 2005, "Project Specific Plan for Sampling of Material on the Eastern Portion of Soil Pile AR6-006 (Former SP-7) for Envirocare's Waste Acceptance Criteria (Supplement to 20300-PSP-0011)," Revision 0, Fernald Closure Project, DOE, Fernald Area Office, Cincinnati, Ohio.

**TABLE 1**  
**2004 EAST, CENTER, AND WEST SWRB SEDIMENT SAMPLING DATA**

Boring	Sample Date	Sample ID	Parameter	Result	LQ	VQ	Units	FRL	FRL Unit
A6-SWRBC-1	02-Mar-04	A6-SWRBC-1^R	Moisture Content	45.7		NV	PERCENT		
A6-SWRBC-1	02-Mar-04	A6-SWRBC-1^R	Technetium-99	422		NV	pCi/g dry	30	pCi/g
A6-SWRBC-1	02-Mar-04	A6-SWRBC-1^R	Uranium, Total	455		NV	mg/kg	82	mg/kg
A6-SWRBC-2	02-Mar-04	A6-SWRBC-2^R	Moisture Content	33.3		NV	PERCENT		
A6-SWRBC-2	02-Mar-04	A6-SWRBC-2^R	Technetium-99	34		NV	pCi/g dry	30	pCi/g
A6-SWRBC-2	02-Mar-04	A6-SWRBC-2^R	Uranium, Total	542		NV	mg/kg	82	mg/kg
A6-SWRBE-1	02-Mar-04	A6-SWRBE-1^R	Moisture Content	17.9		NV	PERCENT		
A6-SWRBE-1	02-Mar-04	A6-SWRBE-1^R	Technetium-99	4.09		NV	pCi/g dry	30	pCi/g
A6-SWRBE-1	02-Mar-04	A6-SWRBE-1^R	Uranium, Total	14.5		NV	mg/kg	82	mg/kg
A6-SWRBE-2	02-Mar-04	A6-SWRBE-2^R	Moisture Content	85.1		NV	PERCENT		
A6-SWRBE-2	02-Mar-04	A6-SWRBE-2^R	Technetium-99	33.6		NV	pCi/g dry	30	pCi/g
A6-SWRBE-2	02-Mar-04	A6-SWRBE-2^R	Uranium, Total	422		NV	mg/kg	82	mg/kg
A6-SWRBE-3	02-Mar-04	A6-SWRBE-3^R	Moisture Content	41		NV	PERCENT		
A6-SWRBE-3	02-Mar-04	A6-SWRBE-3^R	Technetium-99	27.3		NV	pCi/g dry	30	pCi/g
A6-SWRBE-3	02-Mar-04	A6-SWRBE-3^R	Uranium, Total	119		NV	mg/kg	82	mg/kg
A6-SWRBE-4	02-Mar-04	A6-SWRBE-4^R	Moisture Content	53		NV	PERCENT		
A6-SWRBE-4	02-Mar-04	A6-SWRBE-4^R	Technetium-99	21.4		NV	pCi/g dry	30	pCi/g
A6-SWRBE-4	02-Mar-04	A6-SWRBE-4^R	Uranium, Total	98.3		NV	mg/kg	82	mg/kg
A6-SWRBE-5	02-Mar-04	A6-SWRBE-5^R	Moisture Content	49.4		NV	PERCENT		
A6-SWRBE-5	02-Mar-04	A6-SWRBE-5^R	Technetium-99	29		NV	pCi/g dry	30	pCi/g
A6-SWRBE-5	02-Mar-04	A6-SWRBE-5^R	Uranium, Total	160		NV	mg/kg	82	mg/kg
A6-SWRBE-6	02-Mar-04	A6-SWRBE-6^R	Moisture Content	49.8		NV	PERCENT		
A6-SWRBE-6	02-Mar-04	A6-SWRBE-6^R	Technetium-99	23.7		NV	pCi/g dry	30	pCi/g
A6-SWRBE-6	02-Mar-04	A6-SWRBE-6^R	Uranium, Total	88.4		NV	mg/kg	82	mg/kg
A6-SWRBE-7	02-Mar-04	A6-SWRBE-7^R	Moisture Content	47.2		NV	PERCENT		
A6-SWRBE-7	02-Mar-04	A6-SWRBE-7^R	Technetium-99	26		NV	pCi/g dry	30	pCi/g
A6-SWRBE-7	02-Mar-04	A6-SWRBE-7^R	Uranium, Total	123		NV	mg/kg	82	mg/kg
A6-SWRBE-8	02-Mar-04	A6-SWRBE-8^R	Moisture Content	50		NV	PERCENT		
A6-SWRBE-8	02-Mar-04	A6-SWRBE-8^R	Technetium-99	23.5		NV	pCi/g dry	30	pCi/g
A6-SWRBE-8	02-Mar-04	A6-SWRBE-8^R	Uranium, Total	89.4		NV	mg/kg	82	mg/kg
A6-SWRBE-9	02-Mar-04	A6-SWRBE-9^R	Moisture Content	45.1		NV	PERCENT		
A6-SWRBE-9	02-Mar-04	A6-SWRBE-9^R	Technetium-99	31		NV	pCi/g dry	30	pCi/g
A6-SWRBE-9	02-Mar-04	A6-SWRBE-9^R	Uranium, Total	377		NV	mg/kg	82	mg/kg
A6-SWRBW-1	02-Mar-04	A6-SWRBW-1^R	Moisture Content	44.5		NV	PERCENT		
A6-SWRBW-1	02-Mar-04	A6-SWRBW-1^R	Technetium-99	18		NV	pCi/g dry	30	pCi/g
A6-SWRBW-1	02-Mar-04	A6-SWRBW-1^R	Uranium, Total	98.7		NV	mg/kg	82	mg/kg
A6-SWRBW-2	02-Mar-04	A6-SWRBW-2^R	Moisture Content	37.2		NV	PERCENT		
A6-SWRBW-2	02-Mar-04	A6-SWRBW-2^R	Technetium-99	19		NV	pCi/g dry	30	pCi/g
A6-SWRBW-2	02-Mar-04	A6-SWRBW-2^R	Uranium, Total	99.9		NV	mg/kg	82	mg/kg
A6-SWRBW-3	02-Mar-04	A6-SWRBW-3^R	Moisture Content	36.3		NV	PERCENT		
A6-SWRBW-3	02-Mar-04	A6-SWRBW-3^R	Technetium-99	15		NV	pCi/g dry	30	pCi/g
A6-SWRBW-3	02-Mar-04	A6-SWRBW-3^R	Uranium, Total	104		NV	mg/kg	82	mg/kg
A6-SWRBW-4	02-Mar-04	A6-SWRBW-4^R	Moisture Content	45		NV	PERCENT		
A6-SWRBW-4	02-Mar-04	A6-SWRBW-4^R	Technetium-99	13		NV	pCi/g dry	30	pCi/g
A6-SWRBW-4	02-Mar-04	A6-SWRBW-4^R	Uranium, Total	120		NV	mg/kg	82	mg/kg
A6-SWRBW-5	02-Mar-04	A6-SWRBW-5^R	Moisture Content	42.1		NV	PERCENT		
A6-SWRBW-5	02-Mar-04	A6-SWRBW-5^R	Technetium-99	15		NV	pCi/g dry	30	pCi/g
A6-SWRBW-5	02-Mar-04	A6-SWRBW-5^R	Uranium, Total	93.1		NV	mg/kg	82	mg/kg

**TABLE 1**  
**2004 EAST, CENTER, AND WEST SWRB SEDIMENT SAMPLING DATA**

<b>Boring</b>	<b>Sample Date</b>	<b>Sample ID</b>	<b>Parameter</b>	<b>Result</b>	<b>LQ</b>	<b>VQ</b>	<b>Units</b>	<b>FRL</b>	<b>FRL Unit</b>
A6-SWRBW-6	02-Mar-04	A6-SWRBW-6^R	Moisture Content	38.5		NV	PERCENT		
A6-SWRBW-6	02-Mar-04	A6-SWRBW-6^R	Technetium-99	27		NV	pCi/g dry	30	pCi/g
A6-SWRBW-6	02-Mar-04	A6-SWRBW-6^R	Uranium, Total	129		NV	mg/kg	82	mg/kg
A6-SWRBW-7	02-Mar-04	A6-SWRBW-7^R	Moisture Content	45.3		NV	PERCENT		
A6-SWRBW-7	02-Mar-04	A6-SWRBW-7^R	Technetium-99	19		NV	pCi/g dry	30	pCi/g
A6-SWRBW-7	02-Mar-04	A6-SWRBW-7^R	Uranium, Total	113		NV	mg/kg	82	mg/kg

**TABLE 2**  
**ENVIROCARE WAC CONSTITUENTS**

<b>ANALYTE</b>
Total Uranium
Uranium-235
Uranium-238
Thorium-230
Thorium-232
Radium-226
Radium-228
Cesium-137
Technetium-99
Americium-241
Neptunium-237
Potassium-40
Total Arsenic
Total Barium
Total Cadmium
Total Chromium
Total Lead
Total Mercury
Total Selenium
Total Silver
Total Zinc
pH
Percent Moisture

**TABLE 3**  
**2005 CENTER SWRB SEDIMENT SAMPLING DATA**

Boring	Sample Date	Sample ID	Parameter	Result	LQ	VQ	Units	FRL	FRL Unit
A7-SWRBC-S-1	11-Aug-05	A7-SWRBC-S-1^RM	Americium-241	3.66		-	pCi/g		
A7-SWRBC-S-1	11-Aug-05	A7-SWRBC-S-1^RM	Arsenic	4.11	J	J	mg/kg	12	mg/kg
A7-SWRBC-S-1	11-Aug-05	A7-SWRBC-S-1^RM	Barium	91.4	J	J	mg/kg	68000	mg/kg
A7-SWRBC-S-1	11-Aug-05	A7-SWRBC-S-1^RM	Cadmium	1.59	J	J	mg/kg	82	mg/kg
A7-SWRBC-S-1	11-Aug-05	A7-SWRBC-S-1^RM	Cesium-137	0.202	U	U	pCi/g	1.4	pCi/g
A7-SWRBC-S-1	11-Aug-05	A7-SWRBC-S-1^RM	Chromium	12.2		J	mg/kg	300	mg/kg
A7-SWRBC-S-1	11-Aug-05	A7-SWRBC-S-1^RM	Lead	64.7		J	mg/kg	400	mg/kg
A7-SWRBC-S-1	11-Aug-05	A7-SWRBC-S-1^RM	Mercury	0.0447	J	J	mg/kg	7.5	mg/kg
A7-SWRBC-S-1	11-Aug-05	A7-SWRBC-S-1^RM	Neptunium-237	0.303		-	pCi/g	3.2	pCi/g
A7-SWRBC-S-1	11-Aug-05	A7-SWRBC-S-1^RM	Percent Moisture	32.8	B	NV	%		
A7-SWRBC-S-1	11-Aug-05	A7-SWRBC-S-1^RM	pH	7.52	H	J	SU		
A7-SWRBC-S-1	11-Aug-05	A7-SWRBC-S-1^RM	Potassium-40	12.2		-	pCi/g		
A7-SWRBC-S-1	11-Aug-05	A7-SWRBC-S-1^RM	Radium-226	356		-	pCi/g	1.7	pCi/g
A7-SWRBC-S-1	11-Aug-05	A7-SWRBC-S-1^RM	Radium-228	1.29		-	pCi/g	1.8	pCi/g
A7-SWRBC-S-1	11-Aug-05	A7-SWRBC-S-1^RM	Selenium	11.4	J	J	mg/kg	5400	mg/kg
A7-SWRBC-S-1	11-Aug-05	A7-SWRBC-S-1^RM	Silver	0.739	U	UJ	mg/kg	29000	mg/kg
A7-SWRBC-S-1	11-Aug-05	A7-SWRBC-S-1^RM	Technetium-99	1.35		-	pCi/g	30	pCi/g
A7-SWRBC-S-1	11-Aug-05	A7-SWRBC-S-1^RM	Thorium-230	41.5		-	pCi/g	280	pCi/g
A7-SWRBC-S-1	11-Aug-05	A7-SWRBC-S-1^RM	Thorium-232	2.14		-	pCi/g	1.5	pCi/g
A7-SWRBC-S-1	11-Aug-05	A7-SWRBC-S-1^RM	Uranium, Total	66.2		-	mg/kg	82	mg/kg
A7-SWRBC-S-1	11-Aug-05	A7-SWRBC-S-1^RM	Uranium-235	4.06		-	pCi/g	1.27	pCi/g
A7-SWRBC-S-1	11-Aug-05	A7-SWRBC-S-1^RM	Uranium-238	21.6		-	pCi/g	27.4	pCi/g
A7-SWRBC-S-1	11-Aug-05	A7-SWRBC-S-1^RM	Zinc	73.5		-	mg/kg	120000	mg/kg
A7-SWRBC-S-2	11-Aug-05	A7-SWRBC-S-2^RM	Americium-241	3.92		-	pCi/g		
A7-SWRBC-S-2	11-Aug-05	A7-SWRBC-S-2^RM	Arsenic	12.7	J	J	mg/kg	12	mg/kg
A7-SWRBC-S-2	11-Aug-05	A7-SWRBC-S-2^RM	Barium	114	J	J	mg/kg	68000	mg/kg
A7-SWRBC-S-2	11-Aug-05	A7-SWRBC-S-2^RM	Cadmium	1.13	J	J	mg/kg	82	mg/kg
A7-SWRBC-S-2	11-Aug-05	A7-SWRBC-S-2^RM	Cesium-137	0.594	U	U	pCi/g	1.4	pCi/g
A7-SWRBC-S-2	11-Aug-05	A7-SWRBC-S-2^RM	Chromium	22.9		J	mg/kg	300	mg/kg
A7-SWRBC-S-2	11-Aug-05	A7-SWRBC-S-2^RM	Lead	59		J	mg/kg	400	mg/kg
A7-SWRBC-S-2	11-Aug-05	A7-SWRBC-S-2^RM	Mercury	0.0992	J	J	mg/kg	7.5	mg/kg
A7-SWRBC-S-2	11-Aug-05	A7-SWRBC-S-2^RM	Neptunium-237	0.198		-	pCi/g	3.2	pCi/g
A7-SWRBC-S-2	11-Aug-05	A7-SWRBC-S-2^RM	Percent Moisture	53	B	NV	%		
A7-SWRBC-S-2	11-Aug-05	A7-SWRBC-S-2^RM	pH	7.54	H	J	SU		
A7-SWRBC-S-2	11-Aug-05	A7-SWRBC-S-2^RM	Potassium-40	26.9		-	pCi/g		
A7-SWRBC-S-2	11-Aug-05	A7-SWRBC-S-2^RM	Radium-226	508		-	pCi/g	1.7	pCi/g
A7-SWRBC-S-2	11-Aug-05	A7-SWRBC-S-2^RM	Radium-228	2.08	U	UJ	pCi/g	1.8	pCi/g
A7-SWRBC-S-2	11-Aug-05	A7-SWRBC-S-2^RM	Selenium	18.2		-	mg/kg	5400	mg/kg
A7-SWRBC-S-2	11-Aug-05	A7-SWRBC-S-2^RM	Silver	1.01	U	UJ	mg/kg	29000	mg/kg
A7-SWRBC-S-2	11-Aug-05	A7-SWRBC-S-2^RM	Technetium-99	5.98		-	pCi/g	30	pCi/g
A7-SWRBC-S-2	11-Aug-05	A7-SWRBC-S-2^RM	Thorium-230	48		-	pCi/g	280	pCi/g
A7-SWRBC-S-2	11-Aug-05	A7-SWRBC-S-2^RM	Thorium-232	3.39		-	pCi/g	1.5	pCi/g
A7-SWRBC-S-2	11-Aug-05	A7-SWRBC-S-2^RM	Uranium, Total	23	U	UJ	mg/kg	82	mg/kg
A7-SWRBC-S-2	11-Aug-05	A7-SWRBC-S-2^RM	Uranium-235	3.6		J	pCi/g	1.27	pCi/g
A7-SWRBC-S-2	11-Aug-05	A7-SWRBC-S-2^RM	Uranium-238	7.72	U	UJ	pCi/g	27.4	pCi/g
A7-SWRBC-S-2	11-Aug-05	A7-SWRBC-S-2^RM	Zinc	110		-	mg/kg	120000	mg/kg
A7-SWRBC-S-3	11-Aug-05	A7-SWRBC-S-3^RM	Americium-241	5.36		-	pCi/g		
A7-SWRBC-S-3	11-Aug-05	A7-SWRBC-S-3^RM	Arsenic	9.84	J	J	mg/kg	12	mg/kg
A7-SWRBC-S-3	11-Aug-05	A7-SWRBC-S-3^RM	Barium	161	J	J	mg/kg	68000	mg/kg
A7-SWRBC-S-3	11-Aug-05	A7-SWRBC-S-3^RM	Cadmium	1.46	J	J	mg/kg	82	mg/kg
A7-SWRBC-S-3	11-Aug-05	A7-SWRBC-S-3^RM	Cesium-137	0.305	U	U	pCi/g	1.4	pCi/g

**TABLE 3**  
**2005 CENTER SWRBC SEDIMENT SAMPLING DATA**

Boring	Sample Date	Sample ID	Parameter	Result	LQ	VQ	Units	FRL	FRL Unit
A7-SWRBC-S-3	11-Aug-05	A7-SWRBC-S-3^RM	Chromium	23.1		J	mg/kg	300	mg/kg
A7-SWRBC-S-3	11-Aug-05	A7-SWRBC-S-3^RM	Lead	0.186	J	J	mg/L	400	mg/kg
A7-SWRBC-S-3	11-Aug-05	A7-SWRBC-S-3^RM	Lead	124		J	mg/kg	400	mg/kg
A7-SWRBC-S-3	11-Aug-05	A7-SWRBC-S-3^RM	Mercury	0.0855	J	J	mg/kg	7.5	mg/kg
A7-SWRBC-S-3	11-Aug-05	A7-SWRBC-S-3^RM	Neptunium-237	0.168		-	pCi/g	3.2	pCi/g
A7-SWRBC-S-3	11-Aug-05	A7-SWRBC-S-3^RM	Percent Moisture	42.7	B	NV	%		
A7-SWRBC-S-3	11-Aug-05	A7-SWRBC-S-3^RM	pH	7.6	H	J	SU		
A7-SWRBC-S-3	11-Aug-05	A7-SWRBC-S-3^RM	Potassium-40	26.2		-	pCi/g		
A7-SWRBC-S-3	11-Aug-05	A7-SWRBC-S-3^RM	Radium-226	523		-	pCi/g	1.7	pCi/g
A7-SWRBC-S-3	11-Aug-05	A7-SWRBC-S-3^RM	Radium-228	3.53		-	pCi/g	1.8	pCi/g
A7-SWRBC-S-3	11-Aug-05	A7-SWRBC-S-3^RM	Selenium	0.04	U	UJ	mg/L	5400	mg/kg
A7-SWRBC-S-3	11-Aug-05	A7-SWRBC-S-3^RM	Selenium	22.9		-	mg/kg	5400	mg/kg
A7-SWRBC-S-3	11-Aug-05	A7-SWRBC-S-3^RM	Silver	0.976	U	UJ	mg/kg	29000	mg/kg
A7-SWRBC-S-3	11-Aug-05	A7-SWRBC-S-3^RM	Technetium-99	13.1		-	pCi/g	30	pCi/g
A7-SWRBC-S-3	11-Aug-05	A7-SWRBC-S-3^RM	Thorium-230	57.3		-	pCi/g	280	pCi/g
A7-SWRBC-S-3	11-Aug-05	A7-SWRBC-S-3^RM	Thorium-232	4.07		-	pCi/g	1.5	pCi/g
A7-SWRBC-S-3	11-Aug-05	A7-SWRBC-S-3^RM	Uranium, Total	34.4		-	mg/kg	82	mg/kg
A7-SWRBC-S-3	11-Aug-05	A7-SWRBC-S-3^RM	Uranium-235	7.2		-	pCi/g	1.27	pCi/g
A7-SWRBC-S-3	11-Aug-05	A7-SWRBC-S-3^RM	Uranium-238	10.4		-	pCi/g	27.4	pCi/g
A7-SWRBC-S-3	11-Aug-05	A7-SWRBC-S-3^RM	Zinc	113		-	mg/kg	120000	mg/kg
A7-SWRBC-S-4	11-Aug-05	A7-SWRBC-S-4^RM	Americium-241	12.3		-	pCi/g		
A7-SWRBC-S-4	11-Aug-05	A7-SWRBC-S-4^RM	Arsenic	13	J	J	mg/kg	12	mg/kg
A7-SWRBC-S-4	11-Aug-05	A7-SWRBC-S-4^RM	Barium	282		J	mg/kg	68000	mg/kg
A7-SWRBC-S-4	11-Aug-05	A7-SWRBC-S-4^RM	Cadmium	2.27		-	mg/kg	82	mg/kg
A7-SWRBC-S-4	11-Aug-05	A7-SWRBC-S-4^RM	Cesium-137	0.445	U	U	pCi/g	1.4	pCi/g
A7-SWRBC-S-4	11-Aug-05	A7-SWRBC-S-4^RM	Chromium	23.7		J	mg/kg	300	mg/kg
A7-SWRBC-S-4	11-Aug-05	A7-SWRBC-S-4^RM	Lead	0.646		J	mg/L	400	mg/kg
A7-SWRBC-S-4	11-Aug-05	A7-SWRBC-S-4^RM	Lead	337		J	mg/kg	400	mg/kg
A7-SWRBC-S-4	11-Aug-05	A7-SWRBC-S-4^RM	Mercury	0.0864	J	J	mg/kg	7.5	mg/kg
A7-SWRBC-S-4	11-Aug-05	A7-SWRBC-S-4^RM	Neptunium-237	0.643		-	pCi/g	3.2	pCi/g
A7-SWRBC-S-4	11-Aug-05	A7-SWRBC-S-4^RM	Percent Moisture	43.4	B	NV	%		
A7-SWRBC-S-4	11-Aug-05	A7-SWRBC-S-4^RM	pH	7.57	H	J	SU		
A7-SWRBC-S-4	11-Aug-05	A7-SWRBC-S-4^RM	Potassium-40	21.7		-	pCi/g		
A7-SWRBC-S-4	11-Aug-05	A7-SWRBC-S-4^RM	Radium-226	1230		-	pCi/g	1.7	pCi/g
A7-SWRBC-S-4	11-Aug-05	A7-SWRBC-S-4^RM	Radium-228	1.88	U	UJ	pCi/g	1.8	pCi/g
A7-SWRBC-S-4	11-Aug-05	A7-SWRBC-S-4^RM	Selenium	0.0417	J	J	mg/L	5400	mg/kg
A7-SWRBC-S-4	11-Aug-05	A7-SWRBC-S-4^RM	Selenium	23.3		-	mg/kg	5400	mg/kg
A7-SWRBC-S-4	11-Aug-05	A7-SWRBC-S-4^RM	Silver	0.938	U	UJ	mg/kg	29000	mg/kg
A7-SWRBC-S-4	11-Aug-05	A7-SWRBC-S-4^RM	Technetium-99	2.68		-	pCi/g	30	pCi/g
A7-SWRBC-S-4	11-Aug-05	A7-SWRBC-S-4^RM	Thorium-230	118		-	pCi/g	280	pCi/g
A7-SWRBC-S-4	11-Aug-05	A7-SWRBC-S-4^RM	Thorium-232	4.49		-	pCi/g	1.5	pCi/g
A7-SWRBC-S-4	11-Aug-05	A7-SWRBC-S-4^RM	Uranium, Total	225		-	mg/kg	82	mg/kg
A7-SWRBC-S-4	11-Aug-05	A7-SWRBC-S-4^RM	Uranium-235	14.5		-	pCi/g	1.27	pCi/g
A7-SWRBC-S-4	11-Aug-05	A7-SWRBC-S-4^RM	Uranium-238	73.3		-	pCi/g	27.4	pCi/g
A7-SWRBC-S-4	11-Aug-05	A7-SWRBC-S-4^RM	Zinc	123		-	mg/kg	120000	mg/kg
A7-SWRBC-S-5	30-Aug-05	A7-SWRBC-S-5^R	Technetium-99	3.17		NV	pCi/g	30	pCi/g
A7-SWRBC-S-6	30-Aug-05	A7-SWRBC-S-6^R	Technetium-99	21.3		NV	pCi/g	30	pCi/g
A7-SWRBC-S-7	27-Oct-05	A7-SWRBC-S-7^R	Uranium, Total	19900		NV	mg/kg	82	mg/kg
A7-SWRBC-S-8	27-Oct-05	A7-SWRBC-S-8^R	Uranium, Total	14100		NV	mg/kg	82	mg/kg
A7-SWRBC-S-9	22-Nov-05	A7-SWRBC-S-9^RM	Americium-241	0.492		-	pCi/g		
A7-SWRBC-S-9	22-Nov-05	A7-SWRBC-S-9^RM	Arsenic	11		-	mg/kg	12	mg/kg

**TABLE 3**  
**2005 CENTER SWRBC SEDIMENT SAMPLING DATA**

Boring	Sample Date	Sample ID	Parameter	Result	LQ	VQ	Units	FRL	FRL Unit
A7-SWRBC-S-9	22-Nov-05	A7-SWRBC-S-9^RM	Barium	120	J	J	mg/kg	68000	mg/kg
A7-SWRBC-S-9	22-Nov-05	A7-SWRBC-S-9^RM	Cadmium	0.763	J	J	mg/kg	82	mg/kg
A7-SWRBC-S-9	22-Nov-05	A7-SWRBC-S-9^RM	Cesium-137	0.143		J	pCi/g	1.4	pCi/g
A7-SWRBC-S-9	22-Nov-05	A7-SWRBC-S-9^RM	Chromium	19		-	mg/kg	300	mg/kg
A7-SWRBC-S-9	22-Nov-05	A7-SWRBC-S-9^RM	Lead	52.2		-	mg/kg	400	mg/kg
A7-SWRBC-S-9	22-Nov-05	A7-SWRBC-S-9^RM	Mercury	0.258	J	J	mg/kg	7.5	mg/kg
A7-SWRBC-S-9	22-Nov-05	A7-SWRBC-S-9^RM	Neptunium-237	0.0498		J	pCi/g	3.2	pCi/g
A7-SWRBC-S-9	22-Nov-05	A7-SWRBC-S-9^RM	Percent Moisture	38.1		NV	PERCENT		
A7-SWRBC-S-9	22-Nov-05	A7-SWRBC-S-9^RM	pH	7.57	H	J	SU		
A7-SWRBC-S-9	22-Nov-05	A7-SWRBC-S-9^RM	Potassium-40	15.3		-	pCi/g		
A7-SWRBC-S-9	22-Nov-05	A7-SWRBC-S-9^RM	Radium-226	17.5		-	pCi/g	1.7	pCi/g
A7-SWRBC-S-9	22-Nov-05	A7-SWRBC-S-9^RM	Radium-228	4.14		-	pCi/g	1.8	pCi/g
A7-SWRBC-S-9	22-Nov-05	A7-SWRBC-S-9^RM	Selenium	2.15	U	U	mg/kg	5400	mg/kg
A7-SWRBC-S-9	22-Nov-05	A7-SWRBC-S-9^RM	Silver	0.726	U	U	mg/kg	29000	mg/kg
A7-SWRBC-S-9	22-Nov-05	A7-SWRBC-S-9^RM	Technetium-99	3.06		-	pCi/g	30	pCi/g
A7-SWRBC-S-9	22-Nov-05	A7-SWRBC-S-9^RM	Thorium-230	7.53		-	pCi/g	280	pCi/g
A7-SWRBC-S-9	22-Nov-05	A7-SWRBC-S-9^RM	Thorium-232	3.22		-	pCi/g	1.5	pCi/g
A7-SWRBC-S-9	22-Nov-05	A7-SWRBC-S-9^RM	Uranium, Total	626		NV	mg/kg	82	mg/kg
A7-SWRBC-S-9	22-Nov-05	A7-SWRBC-S-9^RM	Uranium, Total	652		-	mg/kg	82	mg/kg
A7-SWRBC-S-9	22-Nov-05	A7-SWRBC-S-9^RM	Uranium-235	11.9		-	pCi/g	1.27	pCi/g
A7-SWRBC-S-9	22-Nov-05	A7-SWRBC-S-9^RM	Uranium-238	217		-	pCi/g	27.4	pCi/g
A7-SWRBC-S-9	22-Nov-05	A7-SWRBC-S-9^RM	Zinc	129		J	mg/kg	120000	mg/kg
A7-SWRBC-S-C1	15-Sep-05	A7-SWRBC-S-C1^R	Technetium-99	3.47		NV	pCi/g	30	pCi/g
A7-SWRBC-S-C1	15-Sep-05	A7-SWRBC-S-C1^R	Uranium, Total	258		NV	mg/kg	82	mg/kg
A7-SWRBC-SM-1	07-Nov-05	A7-SWRBC-SM-1^R	Technetium-99	341		NV	pCi/g	30	pCi/g
A7-SWRBC-SM-1	07-Nov-05	A7-SWRBC-SM-1^R	Uranium, Total	547		NV	mg/kg	82	mg/kg
A7-SWRBC-SM-2	11-Nov-05	A7-SWRBC-SM-2^RM	Americium-241	1.21		-	pCi/g		
A7-SWRBC-SM-2	11-Nov-05	A7-SWRBC-SM-2^RM	Arsenic	71.2		-	mg/kg	12	mg/kg
A7-SWRBC-SM-2	11-Nov-05	A7-SWRBC-SM-2^RM	Barium	733		J	mg/kg	68000	mg/kg
A7-SWRBC-SM-2	11-Nov-05	A7-SWRBC-SM-2^RM	Cadmium	1.09	J	J	mg/kg	82	mg/kg
A7-SWRBC-SM-2	11-Nov-05	A7-SWRBC-SM-2^RM	Cesium-137	0.194	U	U	pCi/g	1.4	pCi/g
A7-SWRBC-SM-2	11-Nov-05	A7-SWRBC-SM-2^RM	Chromium	7.44	J	J	mg/kg	300	mg/kg
A7-SWRBC-SM-2	11-Nov-05	A7-SWRBC-SM-2^RM	Lead	13.1		-	mg/kg	400	mg/kg
A7-SWRBC-SM-2	11-Nov-05	A7-SWRBC-SM-2^RM	Mercury	0.0054	U	U	mg/kg	7.5	mg/kg
A7-SWRBC-SM-2	11-Nov-05	A7-SWRBC-SM-2^RM	Neptunium-237	0.426	U	U	pCi/g	3.2	pCi/g
A7-SWRBC-SM-2	11-Nov-05	A7-SWRBC-SM-2^RM	Percent Moisture	36.2		NV	PERCENT		
A7-SWRBC-SM-2	11-Nov-05	A7-SWRBC-SM-2^RM	pH	7.66	H	J	SU		
A7-SWRBC-SM-2	11-Nov-05	A7-SWRBC-SM-2^RM	Potassium-40	7.99		-	pCi/g		
A7-SWRBC-SM-2	11-Nov-05	A7-SWRBC-SM-2^RM	Radium-226	340		-	pCi/g	1.7	pCi/g
A7-SWRBC-SM-2	11-Nov-05	A7-SWRBC-SM-2^RM	Radium-228	11.2		-	pCi/g	1.8	pCi/g
A7-SWRBC-SM-2	11-Nov-05	A7-SWRBC-SM-2^RM	Selenium	2.04	U	U	mg/kg	5400	mg/kg
A7-SWRBC-SM-2	11-Nov-05	A7-SWRBC-SM-2^RM	Silver	0.672	U	U	mg/kg	29000	mg/kg
A7-SWRBC-SM-2	11-Nov-05	A7-SWRBC-SM-2^RM	Technetium-99	75.9		J	pCi/g	30	pCi/g
A7-SWRBC-SM-2	11-Nov-05	A7-SWRBC-SM-2^RM	Thorium-230	4.29		-	pCi/g	280	pCi/g
A7-SWRBC-SM-2	11-Nov-05	A7-SWRBC-SM-2^RM	Thorium-232	0.587		-	pCi/g	1.5	pCi/g
A7-SWRBC-SM-2	11-Nov-05	A7-SWRBC-SM-2^RM	Uranium, Total	1440		-	mg/kg	82	mg/kg
A7-SWRBC-SM-2	11-Nov-05	A7-SWRBC-SM-2^RM	Uranium-235	30.4		-	pCi/g	1.27	pCi/g
A7-SWRBC-SM-2	11-Nov-05	A7-SWRBC-SM-2^RM	Uranium-238	478		-	pCi/g	27.4	pCi/g
A7-SWRBC-SM-2	11-Nov-05	A7-SWRBC-SM-2^RM	Zinc	166		J	mg/kg	120000	mg/kg

**TABLE 4**  
**2005 WEST SWRB SEDIMENT SAMPLING DATA**

Boring	Sample Date	Sample ID	Parameter	Result	LQ	VQ	Units	FRL	FRL Unit
A7-SWRBW-S-1	14-Sep-05	A7-SWRBW-S-1^R	Technetium-99	7.22		NV	pCi/g	30	pCi/g
A7-SWRBW-S-1	14-Sep-05	A7-SWRBW-S-1^R	Uranium, Total	142		NV	mg/kg	82	mg/kg
A7-SWRBW-S-2	14-Sep-05	A7-SWRBW-S-2^R	Technetium-99	6.12		NV	pCi/g	30	pCi/g
A7-SWRBW-S-2	14-Sep-05	A7-SWRBW-S-2^R	Uranium, Total	24.4	U	UNV	mg/kg	82	mg/kg
A7-SWRBW-S-3	14-Sep-05	A7-SWRBW-S-3^R	Technetium-99	14.5		NV	pCi/g	30	pCi/g
A7-SWRBW-S-3	14-Sep-05	A7-SWRBW-S-3^R	Uranium, Total	100		NV	mg/kg	82	mg/kg
A7-SWRBW-S-4	14-Sep-05	A7-SWRBW-S-4^R	Technetium-99	7.55		NV	pCi/g	30	pCi/g
A7-SWRBW-S-4	14-Sep-05	A7-SWRBW-S-4^R	Uranium, Total	58		NV	mg/kg	82	mg/kg
A7-SWRBW-S-5	14-Sep-05	A7-SWRBW-S-5^R	Technetium-99	10.1		NV	pCi/g	30	pCi/g
A7-SWRBW-S-5	14-Sep-05	A7-SWRBW-S-5^R	Uranium, Total	43.6		NV	mg/kg	82	mg/kg
A7-SWRBW-S-6	14-Sep-05	A7-SWRBW-S-6^R	Technetium-99	11.4		NV	pCi/g	30	pCi/g
A7-SWRBW-S-6	14-Sep-05	A7-SWRBW-S-6^R	Uranium, Total	78.9		NV	mg/kg	82	mg/kg
A7-SWRBW-S-7	22-Nov-05	A7-SWRBW-S-7^RM	Americium-241	0.39		J	pCi/g		
A7-SWRBW-S-7	22-Nov-05	A7-SWRBW-S-7^RM	Arsenic	7.17	J	J	mg/kg	12	mg/kg
A7-SWRBW-S-7	22-Nov-05	A7-SWRBW-S-7^RM	Barium	124	J	J	mg/kg	68000	mg/kg
A7-SWRBW-S-7	22-Nov-05	A7-SWRBW-S-7^RM	Cadmium	0.669	J	J	mg/kg	82	mg/kg
A7-SWRBW-S-7	22-Nov-05	A7-SWRBW-S-7^RM	Cesium-137	0.0693		J	pCi/g	1.4	pCi/g
A7-SWRBW-S-7	22-Nov-05	A7-SWRBW-S-7^RM	Chromium	23		-	mg/kg	300	mg/kg
A7-SWRBW-S-7	22-Nov-05	A7-SWRBW-S-7^RM	Lead	40.9		-	mg/kg	400	mg/kg
A7-SWRBW-S-7	22-Nov-05	A7-SWRBW-S-7^RM	Mercury	0.111	J	J	mg/kg	7.5	mg/kg
A7-SWRBW-S-7	22-Nov-05	A7-SWRBW-S-7^RM	Neptunium-237	0.0752		J	pCi/g	3.2	pCi/g
A7-SWRBW-S-7	22-Nov-05	A7-SWRBW-S-7^RM	Percent Moisture	33.4		NV	PERCENT		
A7-SWRBW-S-7	22-Nov-05	A7-SWRBW-S-7^RM	pH	7.39	H	J	SU		
A7-SWRBW-S-7	22-Nov-05	A7-SWRBW-S-7^RM	Potassium-40	20.4		-	pCi/g		
A7-SWRBW-S-7	22-Nov-05	A7-SWRBW-S-7^RM	Radium-226	47.7		-	pCi/g	1.7	pCi/g
A7-SWRBW-S-7	22-Nov-05	A7-SWRBW-S-7^RM	Radium-228	1.56		-	pCi/g	1.8	pCi/g
A7-SWRBW-S-7	22-Nov-05	A7-SWRBW-S-7^RM	Selenium	2.02	U	U	mg/kg	5400	mg/kg
A7-SWRBW-S-7	22-Nov-05	A7-SWRBW-S-7^RM	Silver	0.628	U	U	mg/kg	29000	mg/kg
A7-SWRBW-S-7	22-Nov-05	A7-SWRBW-S-7^RM	Technetium-99	9.54		-	pCi/g	30	pCi/g
A7-SWRBW-S-7	22-Nov-05	A7-SWRBW-S-7^RM	Thorium-230	9.52		-	pCi/g	280	pCi/g
A7-SWRBW-S-7	22-Nov-05	A7-SWRBW-S-7^RM	Thorium-232	1.78		-	pCi/g	1.5	pCi/g
A7-SWRBW-S-7	22-Nov-05	A7-SWRBW-S-7^RM	Uranium, Total	59.8		-	mg/kg	82	mg/kg
A7-SWRBW-S-7	22-Nov-05	A7-SWRBW-S-7^RM	Uranium, Total	68.4		NV	mg/kg	82	mg/kg
A7-SWRBW-S-7	22-Nov-05	A7-SWRBW-S-7^RM	Uranium-235	1.75		-	pCi/g	1.27	pCi/g
A7-SWRBW-S-7	22-Nov-05	A7-SWRBW-S-7^RM	Uranium-238	19.8		-	pCi/g	27.4	pCi/g
A7-SWRBW-S-7	22-Nov-05	A7-SWRBW-S-7^RM	Zinc	109		J	mg/kg	120000	mg/kg
A7-SWRBW-S-8	22-Nov-05	A7-SWRBW-S-8^RM	Americium-241	0.812		-	pCi/g		
A7-SWRBW-S-8	22-Nov-05	A7-SWRBW-S-8^RM	Arsenic	8.49	J	J	mg/kg	12	mg/kg
A7-SWRBW-S-8	22-Nov-05	A7-SWRBW-S-8^RM	Barium	150	J	J	mg/kg	68000	mg/kg
A7-SWRBW-S-8	22-Nov-05	A7-SWRBW-S-8^RM	Cadmium	0.785	J	J	mg/kg	82	mg/kg
A7-SWRBW-S-8	22-Nov-05	A7-SWRBW-S-8^RM	Cesium-137	0.117	U	U	pCi/g	1.4	pCi/g
A7-SWRBW-S-8	22-Nov-05	A7-SWRBW-S-8^RM	Chromium	26.3		-	mg/kg	300	mg/kg
A7-SWRBW-S-8	22-Nov-05	A7-SWRBW-S-8^RM	Lead	58.2		-	mg/kg	400	mg/kg
A7-SWRBW-S-8	22-Nov-05	A7-SWRBW-S-8^RM	Mercury	0.0946	J	J	mg/kg	7.5	mg/kg
A7-SWRBW-S-8	22-Nov-05	A7-SWRBW-S-8^RM	Neptunium-237	0.141	U	U	pCi/g	3.2	pCi/g
A7-SWRBW-S-8	22-Nov-05	A7-SWRBW-S-8^RM	Percent Moisture	40.3		NV	PERCENT		
A7-SWRBW-S-8	22-Nov-05	A7-SWRBW-S-8^RM	pH	7.23	H	J	SU		
A7-SWRBW-S-8	22-Nov-05	A7-SWRBW-S-8^RM	Potassium-40	22.8		-	pCi/g		
A7-SWRBW-S-8	22-Nov-05	A7-SWRBW-S-8^RM	Radium-226	217		-	pCi/g	1.7	pCi/g
A7-SWRBW-S-8	22-Nov-05	A7-SWRBW-S-8^RM	Radium-228	1.1		-	pCi/g	1.8	pCi/g

**TABLE 4**  
**2005 WEST SWRB SEDIMENT SAMPLING DATA**

Boring	Sample Date	Sample ID	Parameter	Result	LQ	VQ	Units	FRL	FRL Unit
A7-SWRBW-S-8	22-Nov-05	A7-SWRBW-S-8^RM	Selenium	1.85	U	U	mg/kg	5400	mg/kg
A7-SWRBW-S-8	22-Nov-05	A7-SWRBW-S-8^RM	Silver	0.68	U	U	mg/kg	29000	mg/kg
A7-SWRBW-S-8	22-Nov-05	A7-SWRBW-S-8^RM	Technetium-99	5.71		-	pCi/g	30	pCi/g
A7-SWRBW-S-8	22-Nov-05	A7-SWRBW-S-8^RM	Thorium-230	23.4		-	pCi/g	280	pCi/g
A7-SWRBW-S-8	22-Nov-05	A7-SWRBW-S-8^RM	Thorium-232	1.98		-	pCi/g	1.5	pCi/g
A7-SWRBW-S-8	22-Nov-05	A7-SWRBW-S-8^RM	Uranium, Total	51.8		NV	mg/kg	82	mg/kg
A7-SWRBW-S-8	22-Nov-05	A7-SWRBW-S-8^RM	Uranium, Total	62.6		-	mg/kg	82	mg/kg
A7-SWRBW-S-8	22-Nov-05	A7-SWRBW-S-8^RM	Uranium-235	3.07		-	pCi/g	1.27	pCi/g
A7-SWRBW-S-8	22-Nov-05	A7-SWRBW-S-8^RM	Uranium-238	20.6		-	pCi/g	27.4	pCi/g
A7-SWRBW-S-8	22-Nov-05	A7-SWRBW-S-8^RM	Zinc	139		J	mg/kg	120000	mg/kg
A7-SWRBW-S-9	22-Nov-05	A7-SWRBW-S-9^RM	Americium-241	0.737		-	pCi/g		
A7-SWRBW-S-9	22-Nov-05	A7-SWRBW-S-9^RM	Arsenic	9	J	J	mg/kg	12	mg/kg
A7-SWRBW-S-9	22-Nov-05	A7-SWRBW-S-9^RM	Barium	149	J	J	mg/kg	68000	mg/kg
A7-SWRBW-S-9	22-Nov-05	A7-SWRBW-S-9^RM	Cadmium	0.911	J	J	mg/kg	82	mg/kg
A7-SWRBW-S-9	22-Nov-05	A7-SWRBW-S-9^RM	Cesium-137	0.204	U	U	pCi/g	1.4	pCi/g
A7-SWRBW-S-9	22-Nov-05	A7-SWRBW-S-9^RM	Chromium	29.1		-	mg/kg	300	mg/kg
A7-SWRBW-S-9	22-Nov-05	A7-SWRBW-S-9^RM	Lead	50.7		-	mg/kg	400	mg/kg
A7-SWRBW-S-9	22-Nov-05	A7-SWRBW-S-9^RM	Mercury	0.124	J	J	mg/kg	7.5	mg/kg
A7-SWRBW-S-9	22-Nov-05	A7-SWRBW-S-9^RM	Neptunium-237	0.139	U	U	pCi/g	3.2	pCi/g
A7-SWRBW-S-9	22-Nov-05	A7-SWRBW-S-9^RM	Percent Moisture	50.5		NV	PERCENT		
A7-SWRBW-S-9	22-Nov-05	A7-SWRBW-S-9^RM	pH	7.17	H	J	SU		
A7-SWRBW-S-9	22-Nov-05	A7-SWRBW-S-9^RM	Potassium-40	21.6		-	pCi/g		
A7-SWRBW-S-9	22-Nov-05	A7-SWRBW-S-9^RM	Radium-226	195		-	pCi/g	1.7	pCi/g
A7-SWRBW-S-9	22-Nov-05	A7-SWRBW-S-9^RM	Radium-228	2.52		-	pCi/g	1.8	pCi/g
A7-SWRBW-S-9	22-Nov-05	A7-SWRBW-S-9^RM	Selenium	2.51	U	U	mg/kg	5400	mg/kg
A7-SWRBW-S-9	22-Nov-05	A7-SWRBW-S-9^RM	Silver	0.763	U	U	mg/kg	29000	mg/kg
A7-SWRBW-S-9	22-Nov-05	A7-SWRBW-S-9^RM	Technetium-99	5.68		-	pCi/g	30	pCi/g
A7-SWRBW-S-9	22-Nov-05	A7-SWRBW-S-9^RM	Thorium-230	26.1		-	pCi/g	280	pCi/g
A7-SWRBW-S-9	22-Nov-05	A7-SWRBW-S-9^RM	Thorium-232	2.65		-	pCi/g	1.5	pCi/g
A7-SWRBW-S-9	22-Nov-05	A7-SWRBW-S-9^RM	Uranium, Total	95.5		-	mg/kg	82	mg/kg
A7-SWRBW-S-9	22-Nov-05	A7-SWRBW-S-9^RM	Uranium, Total	126		NV	mg/kg	82	mg/kg
A7-SWRBW-S-9	22-Nov-05	A7-SWRBW-S-9^RM	Uranium-235	3.67		-	pCi/g	1.27	pCi/g
A7-SWRBW-S-9	22-Nov-05	A7-SWRBW-S-9^RM	Uranium-238	31.5		-	pCi/g	27.4	pCi/g
A7-SWRBW-S-9	22-Nov-05	A7-SWRBW-S-9^RM	Zinc	149		J	mg/kg	120000	mg/kg
A7-SWRBW-S-10	22-Nov-05	A7-SWRBW-S-10^RM	Americium-241	1.78		-	pCi/g		
A7-SWRBW-S-10	22-Nov-05	A7-SWRBW-S-10^RM	Arsenic	8.69	J	J	mg/kg	12	mg/kg
A7-SWRBW-S-10	22-Nov-05	A7-SWRBW-S-10^RM	Barium	172	J	J	mg/kg	68000	mg/kg
A7-SWRBW-S-10	22-Nov-05	A7-SWRBW-S-10^RM	Cadmium	0.7	J	J	mg/kg	82	mg/kg
A7-SWRBW-S-10	22-Nov-05	A7-SWRBW-S-10^RM	Cesium-137	0.387	U	U	pCi/g	1.4	pCi/g
A7-SWRBW-S-10	22-Nov-05	A7-SWRBW-S-10^RM	Chromium	24.4		-	mg/kg	300	mg/kg
A7-SWRBW-S-10	22-Nov-05	A7-SWRBW-S-10^RM	Lead	108		-	mg/kg	400	mg/kg
A7-SWRBW-S-10	22-Nov-05	A7-SWRBW-S-10^RM	Mercury	0.0728	J	J	mg/kg	7.5	mg/kg
A7-SWRBW-S-10	22-Nov-05	A7-SWRBW-S-10^RM	Neptunium-237	0.203	U	U	pCi/g	3.2	pCi/g
A7-SWRBW-S-10	22-Nov-05	A7-SWRBW-S-10^RM	Percent Moisture	39.5		NV	PERCENT		
A7-SWRBW-S-10	22-Nov-05	A7-SWRBW-S-10^RM	pH	7.1	H	J	SU		
A7-SWRBW-S-10	22-Nov-05	A7-SWRBW-S-10^RM	Potassium-40	24.4		-	pCi/g		
A7-SWRBW-S-10	22-Nov-05	A7-SWRBW-S-10^RM	Radium-226	452		-	pCi/g	1.7	pCi/g
A7-SWRBW-S-10	22-Nov-05	A7-SWRBW-S-10^RM	Radium-228	1.34	U	UJ	pCi/g	1.8	pCi/g
A7-SWRBW-S-10	22-Nov-05	A7-SWRBW-S-10^RM	Selenium	1.96	U	U	mg/kg	5400	mg/kg
A7-SWRBW-S-10	22-Nov-05	A7-SWRBW-S-10^RM	Silver	0.614	U	U	mg/kg	29000	mg/kg

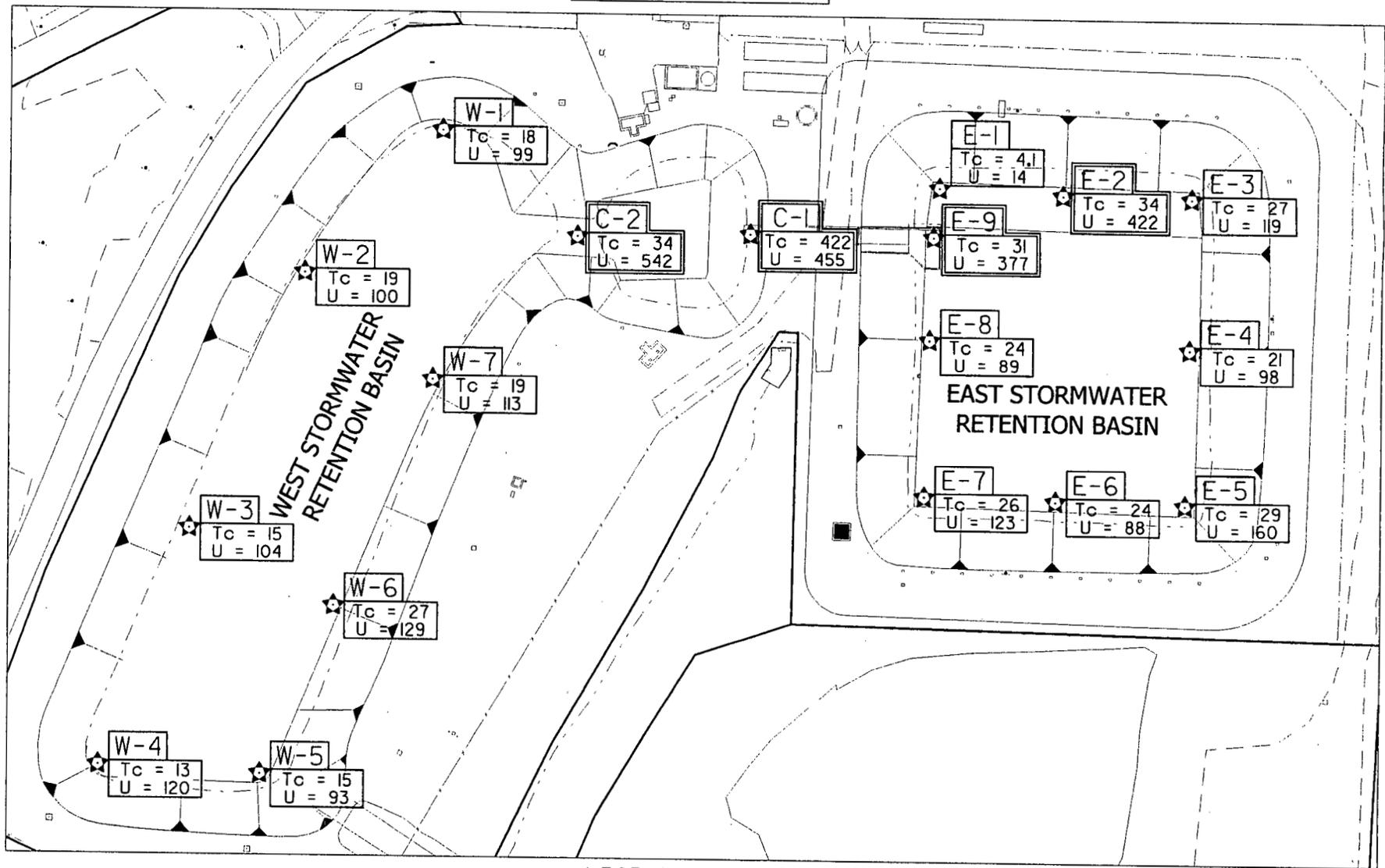
**TABLE 4**  
**2005 WEST SWRB SEDIMENT SAMPLING DATA**

Boring	Sample Date	Sample ID	Parameter	Result	LQ	VQ	Units	FRL	FRL Unit
A7-SWRBW-S-10	22-Nov-05	A7-SWRBW-S-10^RM	Technetium-99	6.79		-	pCi/g	30	pCi/g
A7-SWRBW-S-10	22-Nov-05	A7-SWRBW-S-10^RM	Thorium-230	56.5		-	pCi/g	280	pCi/g
A7-SWRBW-S-10	22-Nov-05	A7-SWRBW-S-10^RM	Thorium-232	2.48		-	pCi/g	1.5	pCi/g
A7-SWRBW-S-10	22-Nov-05	A7-SWRBW-S-10^RM	Uranium, Total	14.8	U	UJ	mg/kg	82	mg/kg
A7-SWRBW-S-10	22-Nov-05	A7-SWRBW-S-10^RM	Uranium, Total	33.3		NV	mg/kg	82	mg/kg
A7-SWRBW-S-10	22-Nov-05	A7-SWRBW-S-10^RM	Uranium-235	8.16		J	pCi/g	1.27	pCi/g
A7-SWRBW-S-10	22-Nov-05	A7-SWRBW-S-10^RM	Uranium-238	4.97	U	UJ	pCi/g	27.4	pCi/g
A7-SWRBW-S-10	22-Nov-05	A7-SWRBW-S-10^RM	Zinc	109		J	mg/kg	120000	mg/kg
A7-SWRBW-S-10	22-Nov-05	A7-SWRBW-S-10^TM	Lead	0.266	J	J	mg/L	400	mg/kg
A7-SWRBW-S-11	22-Nov-05	A7-SWRBW-S-11^RM	Americium-241	3.19		-	pCi/g		
A7-SWRBW-S-11	22-Nov-05	A7-SWRBW-S-11^RM	Arsenic	8.82	J	J	mg/kg	12	mg/kg
A7-SWRBW-S-11	22-Nov-05	A7-SWRBW-S-11^RM	Barium	200	J	J	mg/kg	68000	mg/kg
A7-SWRBW-S-11	22-Nov-05	A7-SWRBW-S-11^RM	Cadmium	0.811	J	J	mg/kg	82	mg/kg
A7-SWRBW-S-11	22-Nov-05	A7-SWRBW-S-11^RM	Cesium-137	0.187	U	U	pCi/g	1.4	pCi/g
A7-SWRBW-S-11	22-Nov-05	A7-SWRBW-S-11^RM	Chromium	26.5		-	mg/kg	300	mg/kg
A7-SWRBW-S-11	22-Nov-05	A7-SWRBW-S-11^RM	Lead	190		-	mg/kg	400	mg/kg
A7-SWRBW-S-11	22-Nov-05	A7-SWRBW-S-11^RM	Mercury	0.0795	J	J	mg/kg	7.5	mg/kg
A7-SWRBW-S-11	22-Nov-05	A7-SWRBW-S-11^RM	Neptunium-237	0.449		-	pCi/g	3.2	pCi/g
A7-SWRBW-S-11	22-Nov-05	A7-SWRBW-S-11^RM	Percent Moisture	44.7		NV	PERCENT		
A7-SWRBW-S-11	22-Nov-05	A7-SWRBW-S-11^RM	pH	7.27	H	J	SU		
A7-SWRBW-S-11	22-Nov-05	A7-SWRBW-S-11^RM	Potassium-40	24.7		-	pCi/g		
A7-SWRBW-S-11	22-Nov-05	A7-SWRBW-S-11^RM	Radium-226	605		-	pCi/g	1.7	pCi/g
A7-SWRBW-S-11	22-Nov-05	A7-SWRBW-S-11^RM	Radium-228	1.64		-	pCi/g	1.8	pCi/g
A7-SWRBW-S-11	22-Nov-05	A7-SWRBW-S-11^RM	Selenium	2.19	U	U	mg/kg	5400	mg/kg
A7-SWRBW-S-11	22-Nov-05	A7-SWRBW-S-11^RM	Silver	0.662	U	U	mg/kg	29000	mg/kg
A7-SWRBW-S-11	22-Nov-05	A7-SWRBW-S-11^RM	Technetium-99	3.79		-	pCi/g	30	pCi/g
A7-SWRBW-S-11	22-Nov-05	A7-SWRBW-S-11^RM	Thorium-230	62.1		J	pCi/g	280	pCi/g
A7-SWRBW-S-11	22-Nov-05	A7-SWRBW-S-11^RM	Thorium-232	2.8		J	pCi/g	1.5	pCi/g
A7-SWRBW-S-11	22-Nov-05	A7-SWRBW-S-11^RM	Uranium, Total	27.3	U	UNV	mg/kg	82	mg/kg
A7-SWRBW-S-11	22-Nov-05	A7-SWRBW-S-11^RM	Uranium, Total	41.7		-	mg/kg	82	mg/kg
A7-SWRBW-S-11	22-Nov-05	A7-SWRBW-S-11^RM	Uranium-235	6.91		-	pCi/g	1.27	pCi/g
A7-SWRBW-S-11	22-Nov-05	A7-SWRBW-S-11^RM	Uranium-238	12.9		-	pCi/g	27.4	pCi/g
A7-SWRBW-S-11	22-Nov-05	A7-SWRBW-S-11^RM	Zinc	117		J	mg/kg	120000	mg/kg
A7-SWRBW-S-11	22-Nov-05	A7-SWRBW-S-11^TM	Lead	0.187	J	J	mg/L	400	mg/kg
A7-SWRBW-S-12	22-Nov-05	A7-SWRBW-S-12^RM	Americium-241	1.92		-	pCi/g		
A7-SWRBW-S-12	22-Nov-05	A7-SWRBW-S-12^RM	Arsenic	7.47	J	J	mg/kg	12	mg/kg
A7-SWRBW-S-12	22-Nov-05	A7-SWRBW-S-12^RM	Barium	158	J	J	mg/kg	68000	mg/kg
A7-SWRBW-S-12	22-Nov-05	A7-SWRBW-S-12^RM	Cadmium	0.734	J	J	mg/kg	82	mg/kg
A7-SWRBW-S-12	22-Nov-05	A7-SWRBW-S-12^RM	Cesium-137	0.153	U	U	pCi/g	1.4	pCi/g
A7-SWRBW-S-12	22-Nov-05	A7-SWRBW-S-12^RM	Chromium	23.3		-	mg/kg	300	mg/kg
A7-SWRBW-S-12	22-Nov-05	A7-SWRBW-S-12^RM	Lead	153		-	mg/kg	400	mg/kg
A7-SWRBW-S-12	22-Nov-05	A7-SWRBW-S-12^RM	Mercury	0.0727	J	J	mg/kg	7.5	mg/kg
A7-SWRBW-S-12	22-Nov-05	A7-SWRBW-S-12^RM	Neptunium-237	0.0982		J	pCi/g	3.2	pCi/g
A7-SWRBW-S-12	22-Nov-05	A7-SWRBW-S-12^RM	Percent Moisture	38.9		NV	PERCENT		
A7-SWRBW-S-12	22-Nov-05	A7-SWRBW-S-12^RM	pH	7.45	H	J	SU		
A7-SWRBW-S-12	22-Nov-05	A7-SWRBW-S-12^RM	Potassium-40	23.4		-	pCi/g		
A7-SWRBW-S-12	22-Nov-05	A7-SWRBW-S-12^RM	Radium-226	378		-	pCi/g	1.7	pCi/g
A7-SWRBW-S-12	22-Nov-05	A7-SWRBW-S-12^RM	Radium-228	1.52		-	pCi/g	1.8	pCi/g
A7-SWRBW-S-12	22-Nov-05	A7-SWRBW-S-12^RM	Selenium	2.36	U	U	mg/kg	5400	mg/kg
A7-SWRBW-S-12	22-Nov-05	A7-SWRBW-S-12^RM	Silver	0.702	U	U	mg/kg	29000	mg/kg

**TABLE 4**  
**2005 WEST SWRB SEDIMENT SAMPLING DATA**

<b>Boring</b>	<b>Sample Date</b>	<b>Sample ID</b>	<b>Parameter</b>	<b>Result</b>	<b>LQ</b>	<b>VQ</b>	<b>Units</b>	<b>FRL</b>	<b>FRL Unit</b>
A7-SWRBW-S-12	22-Nov-05	A7-SWRBW-S-12^RM	Technetium-99	3.92		-	pCi/g	30	pCi/g
A7-SWRBW-S-12	22-Nov-05	A7-SWRBW-S-12^RM	Thorium-230	52.7		-	pCi/g	280	pCi/g
A7-SWRBW-S-12	22-Nov-05	A7-SWRBW-S-12^RM	Thorium-232	2.81		-	pCi/g	1.5	pCi/g
A7-SWRBW-S-12	22-Nov-05	A7-SWRBW-S-12^RM	Uranium, Total	8.97	U	UJ	mg/kg	82	mg/kg
A7-SWRBW-S-12	22-Nov-05	A7-SWRBW-S-12^RM	Uranium, Total	37.8	U	UNV	mg/kg	82	mg/kg
A7-SWRBW-S-12	22-Nov-05	A7-SWRBW-S-12^RM	Uranium-235	5.08		J	pCi/g	1.27	pCi/g
A7-SWRBW-S-12	22-Nov-05	A7-SWRBW-S-12^RM	Uranium-238	3.01	U	UJ	pCi/g	27.4	pCi/g
A7-SWRBW-S-12	22-Nov-05	A7-SWRBW-S-12^RM	Zinc	93.1		J	mg/kg	120000	mg/kg
A7-SWRBW-S-12	22-Nov-05	A7-SWRBW-S-12^TM	Lead	0.4	J	J	mg/L	400	mg/kg
A7-SWRBW-S-13	02-Dec-05	A7-SWRBW-S-13^R	Technetium-99	0.802	U	UNV	pCi/g	30	pCi/g
A7-SWRBW-S-13	02-Dec-05	A7-SWRBW-S-13^R	Technetium-99	9.11		NV	pCi/g	30	pCi/g
A7-SWRBW-S-14	02-Dec-05	A7-SWRBW-S-14^R	Technetium-99	0.804	U	UNV	pCi/g	30	pCi/g
A7-SWRBW-S-14	02-Dec-05	A7-SWRBW-S-14^R	Technetium-99	1.31		NV	pCi/g	30	pCi/g
A7-SWRBW-S-15	02-Dec-05	A7-SWRBW-S-15^R	Technetium-99	0.75	U	UNV	pCi/g	30	pCi/g
A7-SWRBW-S-15	02-Dec-05	A7-SWRBW-S-15^R	Technetium-99	0.946		NV	pCi/g	30	pCi/g
A7-SWRBW-S-16	02-Dec-05	A7-SWRBW-S-16^R	Technetium-99	0.828	U	UNV	pCi/g	30	pCi/g
A7-SWRBW-S-16	02-Dec-05	A7-SWRBW-S-16^R	Technetium-99	6.78		NV	pCi/g	30	pCi/g

2004 Tc99 (pCi/g)  
U (ppm)



LEGEND:

☆ APPROXIMATE SAMPLE LOCATIONS

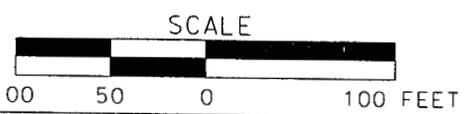
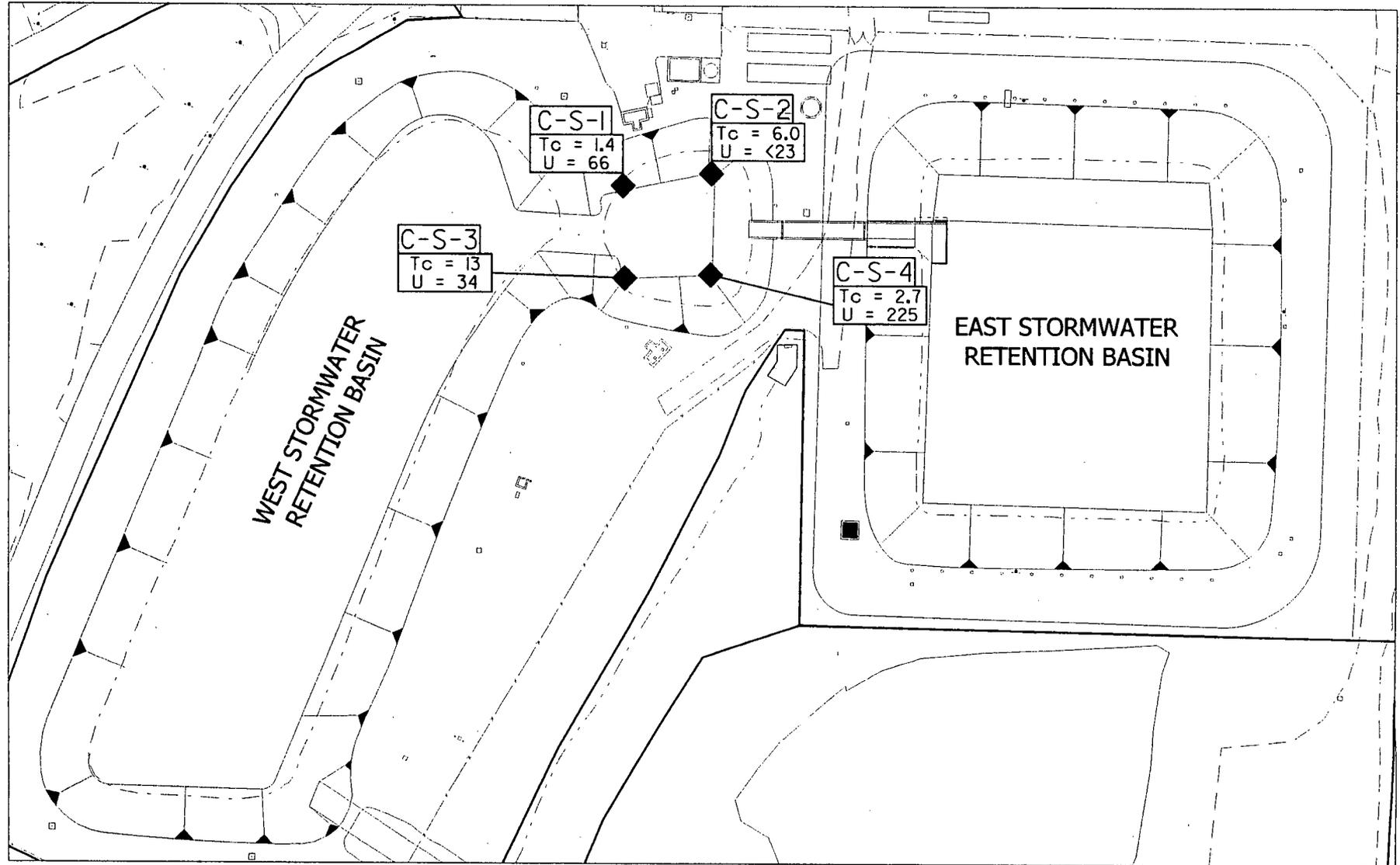


FIGURE 1 2004 SAMPLING RESULTS

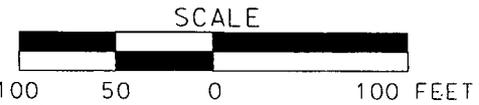
6095

2005 Tc99 (pCi/g)  
U (ppm)

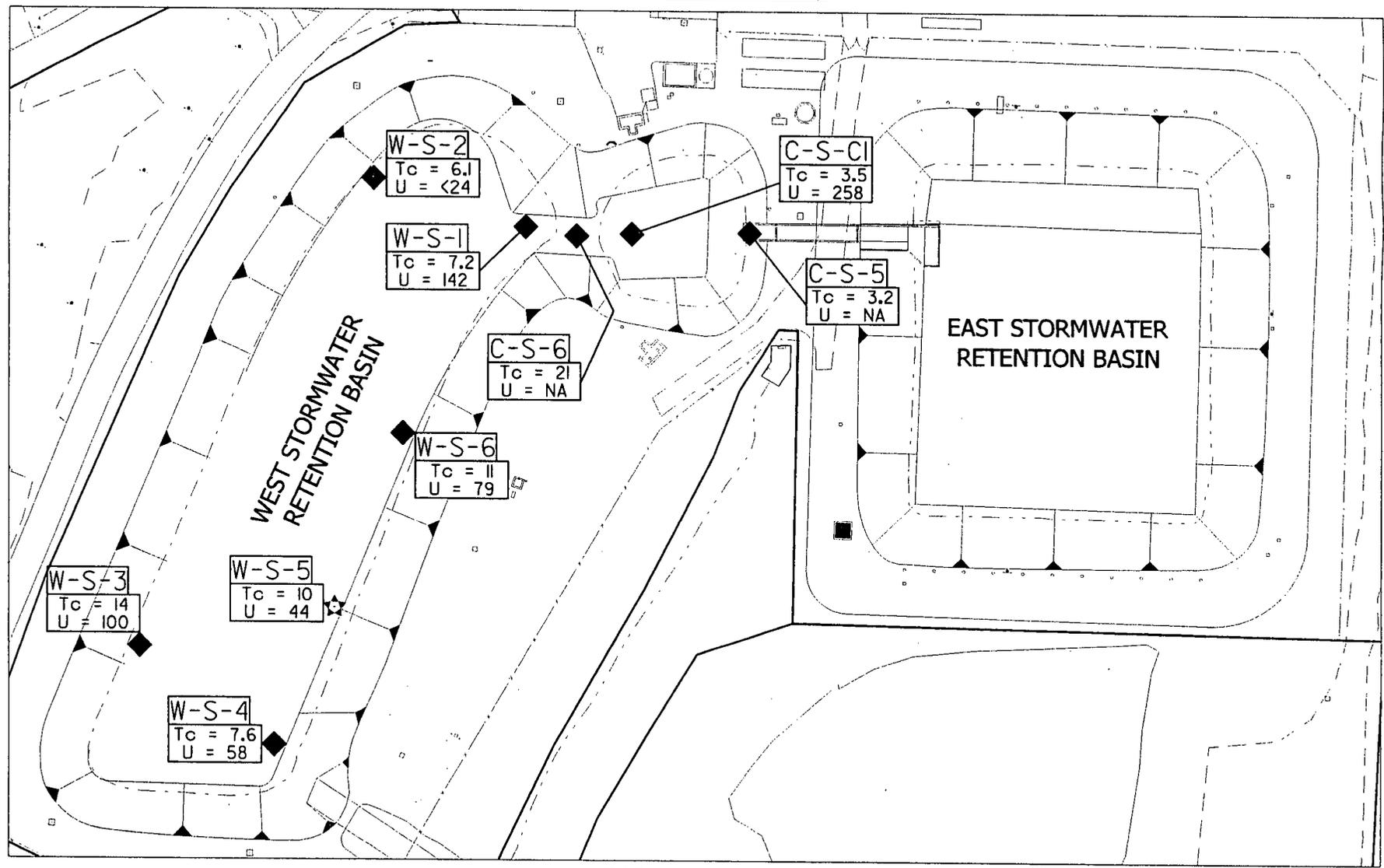


LEGEND:

◆ APPROXIMATE  
SAMPLE LOCATIONS  
FOR ENVIROCARE WAC



2005 Tc99 (pCi/g)  
U (ppm)



LEGEND:

◆ APPROXIMATE CONFIRMATION  
SAMPLE LOCATIONS

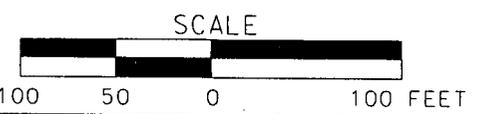
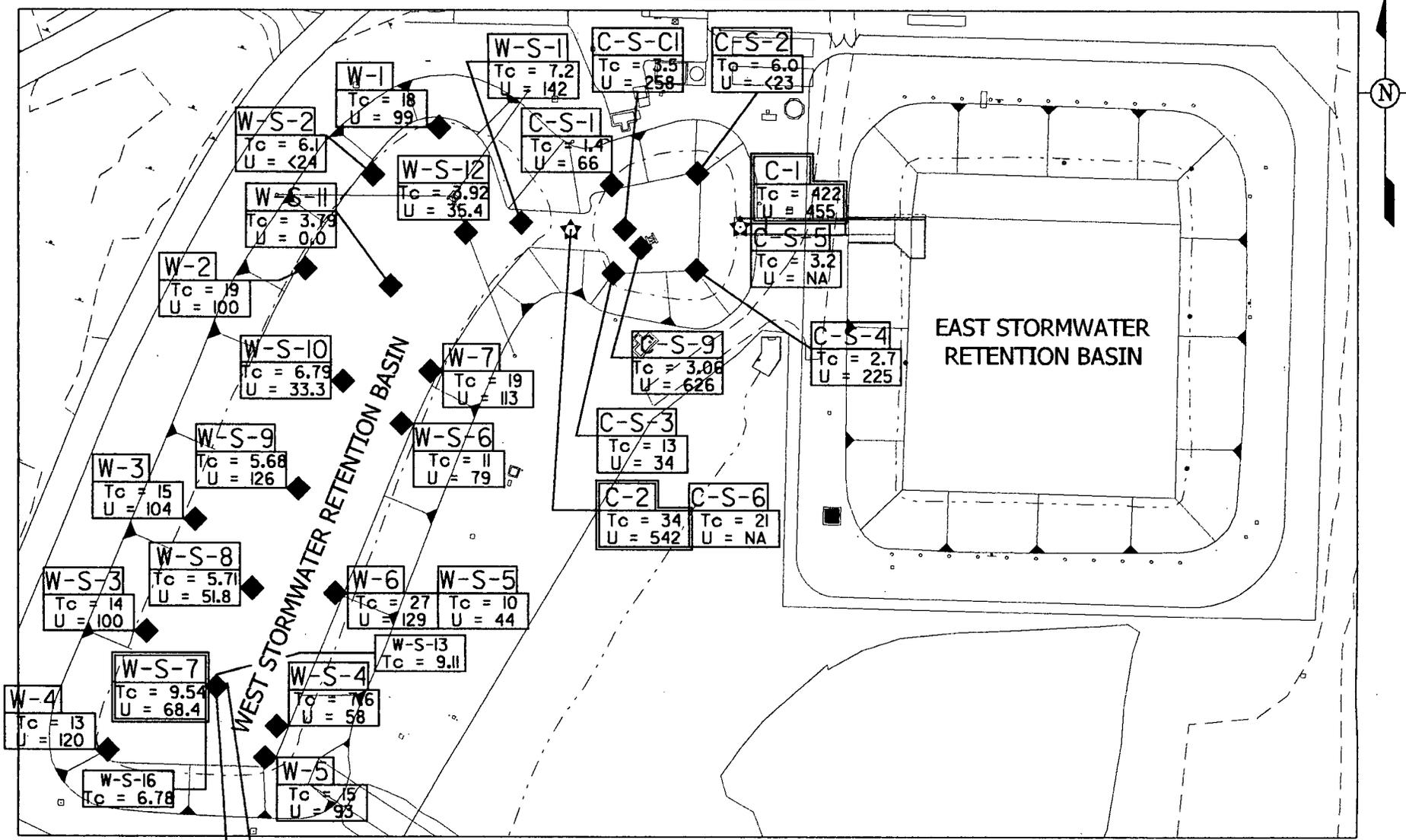


FIGURE 3 2005 CONFIRMATION SAMPLING RESULTS

6095

2005 Tc99 (pCi/g)  
U (ppm)



LEGEND:  
 ◆ BELOW-WAC SAMPLE LOCATIONS  
 ☆ ABOVE-WAC SAMPLE LOCATIONS



FIGURE 4. 2005 ADDITIONAL CONFIRMATION SAMPLING RESULTS