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DIST.	LTR	ENC
BERARDINI, J. H.	X	X
BOGNAR, E. S.	X	X
CROCKETT, G. A.		
DECK, C. A.	X	X
DEGENHART, K. R.		
DIETER, T. J.		
DIETERLE, S. E.		
FERRERA, D. W.		
FERRI, M. S.		
GERMAIN, A. L.		
GIACOMINI, J. J.		
ISOM, J. H.		
LINDSAY, D. C.	X	X
LONG, J. W.		
LYLE, J. L.		
MARTINEZ, L. A.	X	X
NAGEL, R. E.	X	X
NORTH, K.		
PARKER, A. M.	X	X
POWERS, K. P.		
RODGERS, A. D.		
SHELTON, D. C.	X	X
SPEARS, M. S.		
TRICE, K. D.		
TUOR, N. R.	X	X
WILLIAMS, J. L.		
BROOKS, L.	X	X

Mr. Steve Gunderson
Rocky Flats Cleanup Agreement Project Coordinator
Colorado Department of Public Health and Environment
4300 Cherry Creek Drive South
Denver, Colorado 80246-1530

Mr. Tim Rehder
Rocky Flats Cleanup Agreement Team Leader
United States Environmental Protection Agency
999 18th Street, Suite 500
Denver, Colorado 80202-2466

Dear Mr. Gunderson and Mr. Rehder:

Enclosed is the Rocky Flats Cleanup Agreement (RFCA) Implementation Quarterly Status Report for the First Quarter Fiscal Year 2003.

If you have any questions or comments, please contact me at (303) 966-4765 or Glenn Doyle at (303) 966-3087.

Sincerely,

Richard J. DiSalvo, Acting Assistant Manager
for Environment and Stewardship

COR. CONTROL	X	X
ADMN. RECORD	X	X
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Reviewed for Addressee
Corres. Control RFP

Enclosure
cc w/Enc:
R. DiSalvo, CR, RFFO
G. Doyle, AMES, RFFO
D. Shelton, KH
L. Brooks, KH
Administrative Record

3/5/03
Date By

Ref. Ltr. #

DOE ORDER #
NONE

QUARTERLY STATUS REPORT
ROCKY FLATS CLEANUP AGREEMENT IMPLEMENTATION
ROCKY FLATS ENVIRONMENTAL TECHNOLOGY SITE
FIRST QUARTER FISCAL YEAR 2003

1.0 Introduction

Pursuant to paragraphs 122 and 263 of the Rocky Flats Cleanup Agreement (RFCA or Agreement), this quarterly status report presents the progress toward implementation of activities covered under the Agreement. The RFCA is a legally binding agreement between the Department of Energy (DOE), the Environmental Protection Agency (EPA), and the Colorado Department of Public Health and Environment (CDPHE) to accomplish required cleanup of radionuclide and hazardous substance contamination at and from the Rocky Flats Environmental Technology Site (RFETS). For the purposes of this report, the term, the Site, refers to both DOE and the Kaiser-Hill Company, L. L. C. (Kaiser-Hill).

This report describes activities that occurred from October 2002 through December 2002 (referred to as the first quarter of fiscal year [FY] 03). The sections of this report are organized into the following topics: (1) Introduction; (2) Site-wide Activities Implementing RFCA and Supporting RFETS Closure; (3) RFETS Closure Projects; (4) Water Management; and (5) List of Approved Decision Documents.

2.0 Site-wide Activities Implementing RFCA and Supporting RFETS Closure

Site-wide activities implementing RFCA and supporting RFETS closure during the first quarter of FY03 included: (1) Closure Project Baseline and Status of RFCA Milestones; (2) Integrated Monitoring Plan Update; and (3) Water Management Closure Planning Process Update.

2.1 Closure Project Baseline and Status of RFCA Milestones (Pending #'s)

In accordance with the RFCA earned value (EV) framework, which the RFCA Parties adopted for setting milestones pursuant to the requirements in RFCA Part 11, Subpart A, the following is the current Site status on achieving the FY03 Tier 1 milestones. The earned value amounts and percentages are through December 22, 2002. The earned values shown below represent those reported by Kaiser-Hill and indicate that all FY03 Tier 1 milestones have been met except for the transuranic (TRU) waste shipments RFCA milestone. The FY03 TRU RFCA milestone is expected to be achieved during the second quarter of FY03. This data has yet to be validated by DOE.

Table 1. Status of FY03 RFCA Milestones through December 22, 2002

RFCA EV Category	FY03 Milestone (BCWS - \$M)	1 st Quarter Actual (BCWP - \$M unvalidated)	2 nd Quarter Actual	3 rd Quarter Actual	4 th Quarter Actual
D&D	28.10 (met w/02 carryover)	24.72			
LLW	5.91 (met w/02 carryover)	7.23			
TRU	.75	.74			
ER	.55 (met w/02 carryover)	15.82			
M5	26.86 (adjusted for 02 aggregate carryover)	41.99 (milestone met)			

The Site continued to accelerate work in all areas of the project during the first quarter of FY03. This acceleration has been enabled by the continued focus on safety that has allowed the buildings to operate without major work stoppages, and the deployment of new technologies that improved productivity. At the end of the first quarter of FY03, the major facilities continued to accelerate their decommissioning work activities. As decommissioning work is accelerated, waste shipping continues to accelerate to keep up with waste volumes. This quarter there was also a large increase in environmental remediation work reflecting the Site's growing focus in that area of the closure project.

The focus during FY03 will be to accelerate Decontamination & Decommissioning (D&D) of the south side (uranium buildings and support facilities); continue accelerated progress in decommissioning of plutonium facilities, increase volume of waste shipped over prior year levels; and continue to accelerate environmental restoration.

For the period October 1, 2000 through December 22, 2002 the cumulative RFCA contract schedule variance reported by Kaiser-Hill for the four areas of RFCA EV Milestones is:

- Decontamination and Decommissioning \$53.4 million (*64.8% ahead of plan*)
- Environmental Restoration \$21.2 million (*1,299.3% ahead of plan*)
- Low Level Waste Shipments \$12.5 million (*74.3% ahead of plan*)
- Transuranic Waste Shipments -\$0.8 million (*-24.4% behind plan*)

These statistics are based upon the subset of activities coded as RFCA on the Contract Predetermined Work Activity matrix most recently approved by DOE. These statistics will not reflect any recent changes to the RFCA activities that may have resulted from recent negotiations between DOE and the regulators.

2.2 Integrated Monitoring Plan Update

The review cycle for the 2003 Integrated Monitoring Plan was continued during the first quarter of FY03. The air monitoring section has been revised to incorporate a shortened averaging period to better measure increases in ambient radioactivity that could be associated with projects. This change was discussed in detail with both regulators and stakeholders to ensure a broad understanding of the change. The action level remains unchanged. The revised averaging period has been implemented for current demolition and remediation activities, including the 903 Pad soil removal.

The air monitoring section has been drafted to correspond with this change. The ecological monitoring and groundwater monitoring sections have also been completed with only minor revisions intended to provide information consistent with the current monitoring configurations and schedules. All of these sections are ready to go into the final revised 2003 Integrated Monitoring Plan and its background document.

Surface water data quality objectives (DQOs) and tentatively proposed revisions to the Integrated Monitoring Plan are being revisited through internal discussions. Proposed changes to those sections of the Integrated Monitoring Plan await further discussions with the regulatory agencies and stakeholders.

The final 2003 Integrated Monitoring Plan is expected during the second quarter of FY03.

2.3 Water Management Closure Planning Process

A draft version of the Water Management Closure Planning Process report is currently under review by Kaiser-Hill. The Water Management Closure Planning Process is being developed to provide a comprehensive planning process to address water management decisions at RFETS. Current RFETS water management issues are complicated by changes to RFETS hydrology caused by remediation and closure activities. Future water management issues will change as RFETS is converted into a National Wildlife Refuge. Therefore, the Water Management Closure Planning Process considers near-term water management decisions, during the Kaiser-Hill contract period, as well as long-term planning and stewardship issues that may impact the near-term. A draft of the Water Management Closure Planning Process is expected to be complete in March 2003.

3.0 RFETS Closure Projects

RFETS Closure activities conducted during the first quarter of FY03 include: (1)

Industrial Area Operable Unit, Building (B) 771; (2) Industrial Area Operable Unit, B776/777; (3) Industrial Area Operable Unit, B371/374; (4) Industrial Area Operable Unit, B707; and (5) Remediation, Industrial & Site Services Project (RISS).

3.1 Industrial Area Operable Unit, Building 771 Closure Project

The B771 Closure Project Decommissioning Operations Plan (DOP) was approved by CDPHE on January 11, 1999. As of December 31, 2002, four modifications to the DOP have been approved. During the first quarter of FY03, the B771 Closure Project Team conducted the following activities:

1. Completed 3 D&D work sets (Sets 62, 66 and 93) and one area dismantlement (Area AD).
2. Size reduced and dispositioned the two low-level mixed waste polychlorinated biphenyl oil tanks contaminated with beryllium as low-level mixed waste.
3. Removed the 771/774 portion of the TRM oil transfer line (approximately 700 feet). Approximately 100 feet remain on the 776/777 side.

All 240 gloveboxes have been removed. Eleven tanks remain. Currently, only three tanks in B774 require daily inspections; liquid and sludge removal is scheduled for completion in January 2003. As a result, daily inspections will no longer be required.

3.2 Industrial Area Operable Unit, Building 776/777 Closure Project

The B776/777 Closure Project DOP was approved by CDPHE on November 5, 1999. As of December 31, 2002, nine minor modifications to the DOP have been approved. During the first quarter of FY03, the B776/777 Closure Project Team conducted the following activities:

1. Completed five D&D work sets bringing the total to 73 sets completed to date. There are a total of eighty-four work sets in the 776/777 Project. The sets completed this quarter included 12, 50, 70, 75, and 84. The major accomplishment was the completion of set 84, buried equipment, which included characterization of below grade features filled with concrete or gravel where equipment from the 1969 fire was believed to be buried. This quarter's sets also included strip-out of the B777 annex first and second floors; strip-out of the B776 office areas; and removal of B781 (a Type 1 facility).
2. Closed by removal two Resource Conservation and Recovery Act (RCRA) mixed residue tanks: T-344 and T-345, associated with the Advanced Size Reduction Facility. These were the last two remaining mixed residue tanks in B776/777. A

small amount of drained ancillary piping remains in the overhead. The RCRA-permitted Advanced Size Reduction Facility gloveboxes were also closed by removal following debris rule cleaning. Work continues on removal of the Advanced Size Reduction Facility (set 66).

3. Minor modification #9 to the B776/777 DOP was approved by CDPHE on October 1, 2002. This modification includes submittal of the unit-specific closure information for Set 82, which includes all concrete secondary containment areas for tanks, container storage units, and treatment units.

3.3 Industrial Area Operable Unit, Building 371/374 Closure Project

The B371/374 Closure Project DOP was approved by CDPHE on March 29, 2001. As of December 31, 2002, three field modifications to the DOP have been approved. During the first quarter of FY03, the B371/374 Closure Project Team conducted the following activities:

1. Completed removal of Raschig rings in Set 13 (Rooms 2307, 2317 and 2319) and Set 12 (Room 1105, 1115, and most of the tanks in Room 1117). The vacuum system was successfully used in these sets. This brings the total to 47 tanks that have had the rings removed utilizing the vacuum system. Most of the tanks have been surveyed and confirmed surface contaminated object. If feasible, the tanks that have not met the surface contaminated object criteria are being deconned utilizing the cerium nitrate decontamination technology.
2. Completed dismantlement of Set 7 (Room 3305), Set 25 (Room 3412), Set 31 (Room 3541), Set 33 (Room 3513) and continued progress in Set 14 (Room 2325). The Closure Project Team has removed a total of 129 gloveboxes.
3. Continued progress on making modifications to the Central Storage Vault repair bay to support the removal of the storage pallets for the vault. Removal operations are expected to be initiated during the second quarter of FY03.
4. Placed the following RCRA units into RCRA Stable status: 371.1A and 371.1B, room 3412; 371.1A, room 3187B; 371.1A, room 3301; and 371.1C Stacker Retriever. Closed RCRA units: 371.1B – GB's 72B and 72C in room 3408, 90.104 – GB 37C in room 3305, 90.014 – tank D934A in room 2223, and 90.015 – tank D934B in room 2223.

5. Continued the strip-out of Area AM (B374 Chemical Preparation Area). The Closure Project Team has removed tanks and electrical equipment in support of the dismantlement of this area.

Activities planned for the second quarter of FY03 include: Raschig Ring removal in Sets 10 and 12; continue strip-out of Area AM, utilization of the cerium nitrate decontamination technology if this is determined necessary to ensure the tanks/gloveboxes meet the SCO criteria; continue strip-out of electrical, mechanical, tanks, and glovebox systems in Sets 3, 4, 5, 13, 14, 56, and 58.

3.4 Industrial Area Operable Unit, Building 707 Closure Project

The B707 Closure Project DOP was approved by CDPHE on January 18, 2001. As of December 31, 2002, two minor modifications to the DOP have been approved. During the first quarter of FY03, the B707 Closure Project Team conducted the following activities:

1. Completed Sets A7, B4, C2, C6, D7, J1, K1 and 11 & 13 (second floor). This encompassed the removal of 32 (to date, 225 of total 377) glovebox/chainveyor equivalents (12 additional equivalents are complete in set C5). Notable accomplishments included the removal of additional machining lathes and milling machines, furnace controllers, 420 X-Y Retriever material storage pendants, 19 RCRA tanks, 2 exhaust filter units, 4 exhaust fans, supply fans and filter units, and associated general dry air system equipment. This brings the total sets completed to date to 44 of 99 sets.

Essentially, module A and D decommissioning was completed during the first quarter of FY03. Some ventilation ducting and safety systems remain to be taken out as part of other sets.

2. Closed by removal 19 mixed residue tanks in C pit, including 16 pencil tanks (V-1 through V-8 and V-12 through V-19, two annular tanks (V-30 and V-31), and one raschig ring tank (V-100). These were the only mixed residue tanks in the building. A small amount of drained ancillary piping remains in the overheads.
3. Successfully removed elevated storage chainveyor section (in set B4), encapsulated the section in a foam agent, packaged, and shipped to Envirocare for permanent disposal.
4. Removed approximately 1,340 cubic meters of transuranic and low level mixed waste. A total of approximately 9,650 cubic meters have been removed since January 2001.

Activities planned for the second quarter of FY03 include the completion of Set C5 and continue work on Sets B3, B7, H2, J2, J3, 08, and 12. Asbestos abatement/removal is expected to continue with effort taking place on the second floor, the first floor corridor ceiling tile removal/replacement, and perhaps areas of B778.

3.5 Remediation, Industrial & Site Services Project

RISS activities supporting RFETS closure during the first quarter of FY03 include D&D as well as Environmental Restoration (ER).

3.5.1 Decontamination and Decommissioning

During the first quarter of FY03, the following activities were completed:

1. Decommissioning in B883 and B444 continued. B883 decommissioning is proceeding slowly due to funding priorities. A detailed decommissioning plan/proposal was completed by Rocky Flats Closure Site Services, LLC for B444 and is under review. B444 decommissioning will continue in FY03 concurrent with detailed planning for extensive facility decommissioning in FY04.
2. B865 decommissioning status is as follows:
 - Asbestos abatement 100% complete
 - Dismantlement 80% complete
 - Structural decontamination 50% complete
3. B881 decommissioning status is as follows:
 - Asbestos abatement 15% complete
 - Dismantlement/Decontamination 15% complete
4. Other significant first quarter FY03 decommissioning activities include:
 - B884 demolition
 - Tent 8 and Tent 9 demolition
 - 308 tanks demolition
 - B910 demolition
 - Nitrogen plant shutdown (B223)
 - Plainview high voltage electrical service removed (13.8KV site power)
 - Trailer (T)334B, T334D, T760A decommissioned

3.5.2 Environmental Restoration

ER activities implementing RFCA and supporting closure during the first quarter of FY03 included: (1) Buffer Zone (BZ) Operable Unit (OU), Group 900-11; (2)

Group 000-5 Present Landfill, Group 000-1 Solar Ponds, and Group SW-2 Original Landfill Cap; (3) BZ Characterization; and (4) IA Characterization.

3.5.2.1 Buffer Zone Operable Unit, Group 900-11 (903 Pad)

The 903 Pad project involves excavation and off-site disposal of asphalt and underlying contaminated soil. The following work activities under the ER RFCA Standard Operating Protocol (RSOP) were completed during the first quarter of FY03:

- The Documented Safety Analysis, 7 Operations Orders, and the Health and Safety Plan were completed.
- Personnel and equipment were mobilized to the site.
- 171 intermodal containers have been shipped to the site.
- 12 cells out of 225 cells (8%) have been excavated and backfilled with clean soil.
- Over 4,000 tons of soil and asphalt have been excavated.
- 85 intermodals containing soil and asphalt have been shipped to Envirocare for disposal.
- The weather tents have been successfully moved between locations.

3.5.2.2 Group 000-5 (Present Landfill), Group 000-1 (Solar Ponds) and Group SW-2 (Original Landfill)

Group 000-5 (Present Landfill)

This project involves the design and construction of an evapotranspiration cover at the Present Landfill for RCRA interim status closure. The Interim Measure/Interim Remedial Action (IM/IRA) Decision Document underwent formal public review during the fourth quarter of FY02 and was revised during first quarter of FY03. Approval is anticipated during the second quarter of FY03. The 60% design was completed and distributed for review during the first quarter of FY03. Document preparation and design will continue the second and third quarters of FY03.

Group 000-1 (Solar Ponds)

The following Solar Evaporation Ponds work activities were completed during the first quarter of FY03:

- Surface water from the solar ponds was removed.
- 207C pond was cleaned out and residuals removed.
- Asphalt liners on the sides of the berms were placed in the bottom of each pond.
- Existing berms on all five ponds were pushed in on top of the liners.

- Supplemental fill material was backfilled and graded over each pond (207A, 207B series and 207C pond).
- All low-level waste, low-level mixed waste, and sanitary waste was removed.
- Solar Ponds Plume Treatment system pump was installed and started operating.

All field work at the solar ponds was completed during the first quarter of FY03.

A Proposed Action Memorandum (PAM) for No Further Action of the Solar Evaporation Ponds was developed by the Site and summarizes previous accelerated actions in the Solar Evaporation Ponds area as well as the results of a risk assessment. The PAM was submitted for public review in October and a Responsive Summary was submitted in December for regulatory approval. Additionally, the Closeout Report for work activities under the ER RSOP Notification was submitted along with the Data Summary Report for individual hazardous substance sites (IHSS) 165 and 176.

Group SW-2 (Original Landfill)

The Original Landfill project completed the contaminant of concern selection, the identification of applicable and relevant and appropriate requirements, and list of viable alternatives including two onsite disposal locations during first quarter FY03. The alternatives analysis and selection of the preferred alternative will be completed during the second quarter of FY03. The draft IM/IRA is scheduled to be available for agency and informal stakeholder review late in the second quarter of FY03. The approval of the IM/IRA is anticipated during the third quarter of FY03. Field activities are scheduled to commence the first quarter of FY04.

3.5.2.3 Buffer Zone Characterization

The BZ Sampling and Analysis Plan (SAP) was approved by the EPA in April 2002. A BZSAP addendum was prepared describing soil-sampling locations in IHSSs, including maps of existing sampling locations and data, where available, and proposed new sampling locations.

The following IHSS Groups were characterized in accordance with BZSAP Addendum #BZ-02-01: IHSS Group 900-2 – IHSS 153, Oil Burn Pit No. 2 and – IHSS 154, Pallet Burn Site; IHSS Group NE/NW – IHSS 216.2, East Spray Field – Center Area, IHSS 216.3, East Spray Field – South Area, NE-1412, Trench T-12 Located at OU 2 East Trenches, NE-1413, Trench T-13 Located at OU2 East Trenches, NE-1407, OU2 Treatment Facility, and IHSS 174a, Property Utilization and Disposal Yard (PU&D) - Drum Storage Area. Data from these IHSSs are being evaluated. A Data Summary Report was prepared for IHSS Group 900-2 that describes characterization results. A Data Summary Report is being developed for IHSS Group NE/NW.

3.5.2.4 Industrial Area Characterization

The IASAP was approved by CDPHE in June 2001. IASAP Addenda for FY03 were prepared to describe soil-sampling locations in IHSSs, PACs, and UBC sites. The IASAP Addenda contain maps of existing sampling locations and data, where available, and proposed new sampling locations. Table 2 lists the status of IASAP Addenda.

Table 2. Status of IASAP Addenda

IA-03-01	September 02	Approval Pending
IA-03-02	November 02	November 02

The following IHSS Groups were characterized or partially characterized during the first quarter of FY03: IHSS Group 000-1 – Solar Evaporation Ponds, IHSS Group 300-1, 700-3, and 700-4. Accelerated actions were completed at IHSS Groups 000-1. Closeout reports were drafted for IHSS Groups 000-1 AOC and 600-1. Data Summary Reports were prepared for IHSS Groups where accelerated actions were not warranted and include IHSS Group 000-1 – IHSSs 165 and 176 and 900-4&5. Data analysis of IHSS Groups 300-1, 700-3, and 800-2 is ongoing.

4.0 Water Management

Water management activities during the first quarter of FY03 are summarized by (1) Watershed Improvements; (2) Surface Water Management; (3) Surface Water Monitoring; (4) Groundwater Monitoring; and (5) the Rocky Flats Water Working Group.

4.1 Watershed Improvements

In accordance with the *Storm Water Pollution Prevention Plan*, the annual Comprehensive Site Compliance Evaluation inspections of all RFETS facilities were reported via the *Comprehensive Site Compliance Evaluation Report* during the first quarter of FY03. This report is retained as part of the *Storm Water Pollution Prevention Plan* (per the RFETS National Pollutant Discharge Elimination System Permit).

A new 10-inch butterfly valve was installed on the Pond A-3 outlet to manage (and allow repair of) periodic leakage of the existing Pond A-3 sliding gate valve. The minor leakage of the sliding gate valve was successfully eliminated.

The Site completed removal of a temporary culvert that blocked a storm water conveyance pipe, which resulted in impeded drainage along the Central Avenue walkway. This condition posed an icing/slipping hazard in freezing weather. To further improve the drainage, a grated storm water inlet was also cleaned.

The Site is upgrading a surface-water monitoring station flume (GS03). This project involves routine dewatering of collected ground water. Dewatering (as needed) will continue during the duration of the project, with an expected completion in January 2003.

Storm water pollution prevention practices (silt fences, straw bales, recontouring patterns, etc.) were implemented for various demolition projects to minimize erosion and storm water runoff that could impact earlier remedial actions and the natural drainage system.

4.2 Surface Water Management

During the first quarter of FY03, Kaiser-Hill completed the following pond water transfers and discharges totaling 24.51 Million Gallons (MG), a decrease of 8% compared to the first quarter of FY02 (26.71 MG).

Pond A-3 activity included one routine outlet-valve direct discharge to Pond A-4 totaling 2.81 MG. This discharge occurred during the period of October 2 through 7, 2002.

Pond A-4 activity included one routine outlet-valve direct discharge to North Walnut Creek totaling 4.81 MG. This discharge occurred during the period of October 24 through 29, 2002. Water quality samples were collected and analyzed, and all approvals were obtained prior to the discharge. The City of Broomfield diverted the Pond A-4 discharge around Great Western Reservoir via the Broomfield Diversion Ditch.

Pond B-5 activity included one routine outlet-valve direct discharge to South Walnut Creek totaling 10.47 MG. This discharge occurred during the period of October 24 through November 4, 2002. Water quality samples were collected and analyzed, and all approvals were obtained prior to the discharge. The City of Broomfield diverted the Pond B-5 discharge around Great Western Reservoir via the Broomfield Diversion Ditch. Pond B-5 activity also included a non-routine pumped-transfer to Pond A-4 totaling 6.42 MG. This pumped-transfer occurred during the period of December 3 through 19, 2002. The pumped-transfer was performed to enable the rebuilding of Gaging Station 03 (GS-03) to occur without threat of any pond water discharges flowing down Walnut Creek.

There were no Pond A-1, A-2, B-1, B-2, C-2, or Landfill Pond transfers or discharges during the first quarter of FY03.

Transfers and discharges from the Site ponds during the first quarter of FY03 are summarized in Table 3.

Table 3. RFETS Pond Water Transfers and Discharges - First Quarter FY03

Dates	Pond Activity	Total MG	Mode
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10/2 to 10/7	A-3 to A-4	2.81	Outlet-valve direct discharge
10/24 to 10/29	A-4 to NWC	4.81	Outlet-valve direct discharge
10/24 to 11/4	B-5 to SWC	10.47	Outlet-valve direct discharge
12/3 to 12/19	B-5 to A-4	6.42	Pumped-transfer
	Total for Quarter	24.51 MG	

4.3 Surface Water Monitoring

During the first quarter of FY03, 61 composite samples were collected by the RFCA automated monitoring network and submitted for analysis. This level of sampling activity is 7% greater than anticipated (57 samples targeted) for the current monitoring network and 33% greater than the average (46 samples) for the same period during the prior six years of RFCA sampling (Q1FY02: 41 samples, Q1FY01: 48 samples, Q1FY00: 54 samples, Q1FY99: 46 samples, Q1FY98: 64 samples, and Q1FY97: 23 samples). Only the first quarter of FY98 had more composite samples (64 total) collected and analyzed. The increase in sampling activity resulted from increased precipitation in October (30% above average) and an increase in the number of surface-water performance monitoring stations.

On November 14, 2003, formal RFCA required notifications were made by DOE to CDPHE and EPA for reportable 30-day average americium results observed at Point of Evaluation monitoring location GS10. Based on validated analytical results, the calculated 30-day moving average for americium triggered the reporting requirements under RFCA Attachment 5, Section 2.4.B for the period beginning on August 25, 2002 and ended on August 28, 2002 (inclusive). The calculated 30-day moving average for plutonium was also reportable for the period beginning on September 5, 2002 and ending on September 9, 2002. The analytical results from downstream monitoring locations including pre-discharge sampling at Pond B-5 and water quality monitoring at RFCA Points of Compliance GS08 (below Pond B-5) and GS03 (Walnut Creek and Indiana Street) were not above the 0.15 pCi/L standard for americium. Given the predictable nature of GS10 reportable values and citing future GS10 drainage characterization plans, the RFCA parties are not requiring another GS10 source evaluation at this time. A thorough evaluation the GS10 sub-drainage will be conducted as part of the Pond B-1 characterization project scheduled to occur during second and third quarters of FY04.

Two new surface-water performance-monitoring stations (GS59 and GS21) were installed and started during the first quarter of FY03. GS59 will provide surface-water monitoring coverage in Woman Creek for the Original Landfill environmental remediation project. GS21 will provide coverage for B664 area D&D projects.

Three additional surface-water performance-monitoring locations (SW021, GS60, GS61) are scheduled for installation during the second and third quarters of FY03. SW021 will be located at the outfall end of the concrete culvert draining the B991 Area into Walnut

Creek and provide performance-monitoring coverage for the GS10 subdrainage basin. GS60 will be located at the south west corner of Cottonwood and Seventh street to provide performance-monitoring coverage of B664 and 400 Area D&D projects. GS61 will be located at the outfall end of the culvert that drains the south and east sides of B559 to provide performance monitoring coverage for B559 D&D.

Significant progress was made on the GS03 flume replacement project. Construction activities began in mid-November just after completion of a Pond B-5 direct discharge. The old flume was demolished, the area was excavated and two major concrete pours, (one for the approach section and the one for the exit pad, wing-walls, side-walls, and instrument pad) were completed. Weather permitting, the new H-flume will be installed and final grading completed within the next few weeks. The new GS03 monitoring station should be operational during the second quarter of FY03.

4.4 Ground Water Monitoring

The Second (calendar) Quarter 2002 groundwater monitoring report was presented to the Stakeholders at the Quarterly Information Exchange Meeting on November 26, 2002.

Other activities completed during the first quarter of FY03 included:

1. The groundwater monitoring networks for the Solar Ponds and the 903 Pad were updated with the addition of new wells and abandonment of others to accommodate the remedial activities scheduled for those two IHSSs in FY03.
2. All groundwater samples and water level measurements for the fourth calendar quarter of FY02 were completed as of December 31, 2002.
3. The Well Abandonment and Replacement Program abandoned 87 wells scheduled for abandonment in FY02.
4. The 2001 RFCA Annual Groundwater Report was completed and distributed to DOE and stakeholders.

4.5 Rocky Flats Water Working Group

The RFETS Water Working Group followed the Quarterly Exchange of Information Meeting held on November 26, 2002. The following items were included in the agenda:

1. Status of Flume Replacement Project at GS03
2. Brief review of most recent GS10 Reportable Values

3. Announcement of availability of Annual Groundwater Report for 2001
4. Pond Status summary

The next Water Working Group will be held on February 25, 2003, directly following the Quarterly Exchange of Information meeting.

5.0 List of Approved Decision Documents

This list of approved decision documents provides the information for the update to RFCA Attachment 12.

1. Minor modifications to the D&D Characterization Protocol, Pre-Demolition Survey Plan, and the Reconnaissance Level Characterization Plan were submitted to CDPHE on November 18, 2002. The modifications were a result of several minor corrections identified by CDPHE from the previous July submittal.
2. Minor modification #9 to the B776/777 DOP was approved by CDPHE on October 1, 2002. This modification includes the unit-specific closure information for Set 82, which includes all concrete secondary containment areas for tanks, container storage units, and treatment units.