ROCKY FLATS STEWARDSHIP COUNCIL

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Jefferson County -- Boulder County -- City and County of Broomfield -- City of Arvada -- City of Boulder
City of Golden -- City of Northglenn -- City of Westminster -- Town of Superior
League of Women Voters -- Rocky Flats Cold War Museum -- Rocky Flats Homesteaders
Arthur Widdowfield

Board of Directors Meeting – Agenda

Monday, November 14, 2011, 8:30 AM – 12:00 PM Rocky Mountain Metropolitan Airport, Terminal Building, Mount Evans Room 11755 Airport Way, Broomfield, Colorado

8:30 AM Convene/Introductions/	Agenda	Review
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8:35 AM Chairman's Review of October 21, 2011, Executive Committee meeting

8:40 AM Business Items

- 1. Consent Agenda
 - o Approval of meeting minutes and checks
- 2. Executive Director's Report

8:50 AM Public Comment.

9:00 AM Host DOE Quarterly Meeting (briefing memo attached)

- ODE will brief the Stewardship Council on site activities for the second quarter of 2011 (April June).
- ODE has posted the report on its website and will provide a summary of its activities to the Stewardship Council.
- Activities include surface water monitoring, groundwater monitoring, ecological monitoring, and site operations (inspections, maintenance, etc.).
- O As part of the presentation DOE will also discuss its CERCLA five year review.

10:15 AM Approve Fiscal Year 2012 Work Plan (briefing memo attached)

- o The board reviewed the draft work plan at the September meeting.
- o No changes were offered at that meeting.

Action Item: Approve 2012 work plan

10:30 AM Fiscal Year 2012 Budget Hearings (briefing memo attached)

- O The board reviewed the draft budget at the September meeting. One minor change was offered.
- o Prior to finalizing the budget, the board must hold budget hearings and allow time for public comment.

o Following the public hearing, the board must approve the budget resolution.

Action Item: Hold hearings and approve 2012 budget

10:45 AM Continue Triennial Review

- The conversation will focus on addressing any questions and concerns you have about the triennial review determination and IGA amendments.
- O Both documents have been vetted with city and county staff, including the attorneys, and reflect their input.
- o We will also review the next steps in the process.

11:00 AM New Member Interviews and Selection

- o The only groups/individuals that applied are current members of the board of directors (League of Women Voters, Rocky Flats Cold War Museum, Rocky Flats Homesteaders, and Arthur "Murph" Widdowfield).
- The governments will need to vote to approve these parties for membership for 2012-2013.

Action Item: Meet with candidates and make appointments

11:10 AM Public comment

11:20 PM Updates/Big Picture Review

- 1. Executive Director
- 2. Member Updates
- 3. Review Big Picture

EXECUTIVE SESSION

Adjourn

Next Meetings: February 6, 2012 (remainder of 2012 schedule to be determined at

February 6th meeting)

Acronym or Term	Means	Definition
Alpha Radiation		A type of radiation that is not very penetrating and can be blocked by materials such as human skin or paper. Alpha radiation presents its greatest risk when it gets inside the human body, such as when a particle of alpha emitting material is inhaled into the lungs. Plutonium, the radioactive material of greatest concern at Rocky Flats,
		produces this type of radiation.
Am	americium	A man-made radioactive element which is often associated with plutonium.
AME	Actinide Migration Evaluation	An exhaustive years-long study by independent researchers who studied how actinides such as Pu, Am, and U move through the soil and water at Rocky Flats
AMP	Adaptive Management Plan	Additional analyses that DOE is performing beyond the normal environmental assessment for breaching the remaining site dams.
AOC well	Area of Concern well	A particular type of groundwater well
В	boron	Boron has been found in some surface water and groundwater samples at the site
Be	beryllium	A very strong and lightweight metal that was used at Rocky Flats in the manufacture of nuclear weapons. Exposure to beryllium is now known to cause respiratory disease in those persons sensitive to it
Beta Radiation		A type of radiation more penetrating than alpha and hence requires more shielding. Some forms of uranium emit beta radiation.
ВМР	best management practice	A term used to describe actions taken by DOE that are not required by regulation but warrant action.
BZ	Buffer Zone	The majority of the Rocky Flats site was open land that was added to provide a "buffer" between the neighboring communities and the industrial portion of the site. The buffer zone was approximately 6,000 acres. Most of the buffer zone lands now make up the Rocky Flats National Wildlife Refuge.
CAD/ROD	corrective action decision/record of	The complete final plan for cleanup and closure for Rocky Flats. The Federal/State

	decision	laws that governed the cleanup at Rocky
		Flats required a document of this sort.
ССР	Comprehensive	The refuge plan adopted by the U.S. Fish
	Conservation Plan	and Wildlife Service in 2007.
CDPHE	Colorado Department of	State agency that regulates the site.
	Public Health and	
	Environment	
CERCLA	Comprehensive	Federal legislation that governs site cleanup.
	Environmental	Also known as the Superfund Act
	Response,	
	Compensation and	
	Liability Act	
cfs	cubic feet per second	A volumetric measure of water flow.
COC	Contaminant of Concern	A hazardous or radioactive substance that is
		present at the site.
COU	Central Operable Unit	A CERCLA term used to describe the DOE-
		retained lands, about 1,500 acres comprised
		mainly of the former Industrial Area where
		remediation occurred
Cr	chromium	Potentially toxic metal used at the site.
CRA	comprehensive risk	A complicated series of analyses detailing
	assessment	human health risks and risks to the
		environment (flora and fauna).
D&D	decontamination and	The process of cleaning up and tearing
	decommissioning	down buildings and other structures.
DG	discharge gallery	This is where the treated effluent of the
		SPPTS empties into North Walnut Creek.
DOE	U.S. Department of	The federal agency that manages portions of
	Energy	Rocky Flats. The site office is the Office of
		Legacy Management (LM).
EA	environmental	Required by NEPA (see below) when a
	assessment	federal agency proposes an action that could
		impact the environment. The agency is
		responsible for conducting the analysis to
		determine what, if any, impacts to the
		environment might occur due to a proposed
EIG		action.
EIS	environmental impact	A complex evaluation that is undertaken by
	statement	a government agency when it is determined
		that a proposed action by the agency may
EDA	IIC Environmental	have significant impacts to the environment.
EPA	U.S. Environmental	The federal regulatory agency for the site.
ETDTC	Protection Agency	The treatment exists a send of the control of the c
ETPTS	east trenches plume	The treatment system near the location of
	treatment system	the east waste disposal trenches which treats

FC	functional channel	groundwater contaminated with organic solvents emanating from the trenches. Treated effluent flows into South Walnut Creek. Man-made stream channels constructed
		during cleanup to help direct water flow.
FACA	Federal Advisory Committee Act	This federal law regulated federal advisory boards. The law requires balanced membership and open meetings with published Federal Register meeting dates.
Gamma Radiation		This type of radiation is very penetrating and requires heavy shielding to keep it from exposing people. Am is a strong gamma emitter.
GAO	Government Accountability Office	Congressional office which reports to Congress. The GAO did 2 investigations of Rocky Flats relating to the ability to close the site for a certain dollar amount and on a certain time schedule. The first study was not optimistic while the second was very positive.
g	gram	metric unit of weight
gpm	gallons per minute	A volumetric measure of water flow in the site's groundwater treatment systems and other locations.
GWIS	groundwater intercept system	Refers to a below ground system that directs contaminated groundwater toward the Solar Ponds and East Trenches treatment systems.
IA	Industrial Area	Refers to the central core of Rocky Flats where all production activities took place. The IA was roughly 350 of the total 6,500 acres at the site.
IC	Institutional Control	ICs are physical and legal controls geared towards ensuring the cleanup remedies remain in place and remain effective.
IHSS	Individual Hazardous Substance Site	A name given during cleanup to a discrete area of known or suspected contamination. There were over two hundred such sites at Rocky Flats.
ITPH	interceptor trench pump house	The location where contaminated groundwater collected by the interceptor trench is pumped to either the Solar Ponds and East Trenches treatment systems
L	liter	Metric measure of volume, a liter is slightly larger than a quart.

LM	Legacy Management	DOE office responsible for overseeing activities at closed sites.
LMPIP	Legacy Management Public Involvement Plan	This plan follows DOE and EPA guidance on public participation and outlines the methods of public involvement and communication used to inform the public of site conditions and activities. It was previously known as the Post-Closure Public Involvement Plan (PCPIP).
M&M	monitoring and maintenance	Refers to ongoing activities at Rocky Flats.
MSPTS	Mound site plume treatment system	The treatment system for treating groundwater contaminated with organic solvents which emanates from the Mound site where waste barrels were buried. Treated effluent flows into South Walnut Creek.
NEPA	National Environmental Policy Act	Federal legislation that requires the federal government to perform analyses of environmental consequences of major projects or activities.
nitrates		Contaminant of concern found in the North Walnut Creek drainage derived from Solar Ponds wastes. Nitrates are very soluble in water and move readily through the aquatic environment
Np	neptunium	A man-made radioactive isotope that is found as a by-product of nuclear reactors and plutonium production.
NPL	National Priorities List	A listing of Superfund sites. The refuge lands were de-listed from the NPL while the DOE-retained lands are still on the NPL due to ongoing groundwater contamination and associated remediation activities.
OLF	Original Landfill	Hillside dumping area of about 20 acres which was used from 1951 to 1968. It underwent extensive remediation with the addition of a soil cap and groundwater monitoring locations.
OU	Operable Unit	A term given to large areas of the site where remediation was focused.
PCE	perchloroethylene	A volatile organic solvent used in past operations at the site. PCE is also found in environmental media as a breakdown product of other solvents.

pCi/g	picocuries per gram of soil	A unit of radioactivity measure. The soil cleanup standard at the site was 50 pCi/g of soil.
pCi/L	picocuries per liter of water	A water concentration measurement. The State of Colorado has a regulatory limit for Pu and Am which is 0.15 pCi/L of water. This standard is 100 times stricter than the EPA's national standard.
PLF	Present Landfill	Landfill constructed in 1968 to replace the OLF. During cleanup the PLF was closed under RCRA regulations with an extensive cap and monitoring system.
PMJM	Preble's Meadow Jumping Mouse	A species of mouse found along the Front Range that is on the endangered species list. There are several areas in the Refuge and COU that provide an adequate habitat for the mouse, usually found in drainages. Any operations that are planned in potential mouse habitat are strictly controlled.
POC	Point of Compliance (surface water)	A surface water site that is monitored and must be found to be in compliance with federal and state standards for hazardous constituents. Violations of water quality standards at the points of compliance could result in DOE receiving financial penalties.
POE	Point of Evaluation (surface water)	These are locations at Rocky Flats at which surface water is monitored for water quality. There are no financial penalties associated with water quality exceedances at these locations, but the site may be required to develop a plan of action to improve the water quality.
POU	Peripheral Operable Unit	A CERCLA term used to describe the Wildlife Refuge lands of about 4,000 acres.
Pu	plutonium	Plutonium is a metallic substance that was fabricated to form the core or "trigger" of a nuclear weapon. Formation of these triggers was the primary production mission of the Rocky Flats site. Pu-239 is the primary radioactive element of concern at the site. There are different forms of plutonium, called isotopes. Each isotope is known by a different number. Hence, there are plutonium 239, 238, 241 and others.
RCRA	Resource Conservation	Federal law regulating hazardous waste. In

	and Recovery Act	Colorado, the EPA delegates CDPHE the authority to regulate hazardous wastes.
RFCA	Rocky Flats Cleanup Agreement	The regulatory agreement which governed cleanup activities. DOE, EPA, and CDPHE were signors.
RFCAB	Rocky Flats Citizen Advisory Board	This group was formed as part of DOE's site-specific advisory board network. They provided community feedback to DOE on a wide variety of Rocky Flats issues from 1993-2006.
RFCLOG	Rocky Flats Coalition of Local Governments	The predecessor organization of the Rocky Flats Stewardship Council
RFETS	Rocky Flats Environmental Technology Site	The moniker for the site during cleanup years.
RFLMA	Rocky Flats Legacy Management Agreement	The post-cleanup regulatory agreement between DOE, CDPHE, and EPA which governs site activities. The CDPHE takes lead regulator role, with support from EPA as required.
RFNWR	Rocky Flats National Wildlife Refuge	The approximate 4,000 acres which compose the wildlife refuge.
RFSOG	Rocky Flats Site Operations Guide	The nuts-and-bolt guide for post-closure site activities performed by DOE and its contractors.
SPPTS	solar ponds plume treatment system	System used to treat groundwater contaminated with uranium and nitrates. The nitrates originate from the former solar evaporation ponds which had high levels of nitric acid. The uranium is primarily naturally-occurring with only a slight portion man-made. Effluent flows into North Walnut Creek
SVOCs	semi-volatile organic compounds	These compounds are not as volatile as the solvent VOCs. They tend to be similar to oils and tars. They are found in many environmental media at the site. One of the most common items to contain SVOCs is asphalt.
TCE	trichloroethlyene	A volatile organic solvent used in past operations at the site. TCE is also found in environmental media as a breakdown product of other solvents.
U	uranium	Naturally occurring radioactive element. There were two primary isotopes of U used

NA PANA		during production activities. The first was enriched U which contained a very high percentage (>90%) of U-235 which was used in nuclear weapons. The second isotope was U-238, also known as depleted uranium. This had various uses at the site and only had low levels of radioactivity
USFWS	United States Fish & Wildlife Service	An agency within the US Department of the Interior that is responsible for maintaining the nation-wide system of wildlife refuges, among other duties. The regional office is responsible for the RFNWR.
VOC	volatile organic compound	These compounds include cleaning solvents that were used in the manufacturing operations at Rocky Flats. The VOCs used at Rocky Flats include carbon tetrachloride (often called carbon tet), trichloroethene (also called TCE), perchloroethylene (also called PCE), and methylene chloride.
WCRA	Woman Creek Reservoir Authority	This group is composed of the three local communities, the Cities of Westminster, Northglenn, and Thornton, who use Stanley Lake as part of their drinking water supply network. Water from the site used to flow through Woman Creek to Stanley Lake but the reservoir severed that connection. The Authority has an operations agreement with DOE to manage the Woman Creek Reservoir.
WQCC	Water Quality Control Commission	State board within CDPHE tasked with overseeing water quality issues throughout the state. DOE has petitioned the WQCC several times in the last few years regarding water quality issues.
ZVI	zero valent iron	A type of fine iron particles used to treat VOC's in the ETPTS and MSPTS.

Business Items

- September 12, 2011, draft board meeting minutes
- List of Stewardship Council checks

DOE Quarterly Report Briefing

- Cover memo
- Quarterly report (minus appendices)

ROCKY FLATS STEWARDSHIP COUNCIL

Monday, September 12, 2011, 8:30 AM – 12:00 PM Rocky Mountain Metropolitan Airport, Terminal Building, Mount Evans Room 11755 Airport Way, Broomfield, Colorado

Board members in attendance: Marc Williams (Director, Arvada), Jim McCarthy (Alternate, City of Arvada), Carl Castillo (Alternate, City of Boulder), Megan David (Alternate, Boulder County), Lori Cox (Director, Broomfield), David Allen (Alternate, Broomfield), Sheri Paiz (Director, Northglenn), Shelley Stanley (Alternate, Northglenn), Joe Cirelli (Director, Superior), Bob Briggs (Director, Westminster), Mary Fabisiak (Alternate, Westminster), Shirley Garcia (Director, Rocky Flats Cold War Museum), Roman Kohler (Director, Rocky Flats Homesteaders), Jeannette Hillery (Director, League of Women Voters), Sue Vaughan (Alternate, League of Women Voters), Arthur Widdowfield (citizen).

Stewardship Council staff members and consultants in attendance: David Abelson (Executive Director), Rik Getty (Technical Program Manager), Barb Vander Wall (Seter & Vander Wall, P.C.), Jennifer Bohn (RFSC accountant), Erin Rogers (consultant).

Attendees: Vera Moritz (EPA), Carl Spreng (CDPHE), Charlie Adams (CDPHE), Marilyn Null (CDPHE), John Dalton (EPA), Scott Surovchak (DOE-LM), Rick DiSalvo (Stoller), Bob Darr (Stoller), George Squibb (Stoller), John Boylan (Stoller), Gwen Hooten (DOE-LM), Karen Reed (DOE-LM), Linda Kaiser (Stoller), Bruce Hastings (USFWS), Emily Hunt (City of Thornton), Cathy Shugarts (City of Westminster), Christine Hawley (Woman Creek Reservoir Association), Colin Anonsen (Rep. Polis), Stuart Feinhor (Rep. Polis), Mary Harlow (citizen), Hildegard Hix (citizen), Anne Fenerty (citizen), Leroy Moore (Rocky Mountain Peace & Justice Center), Deborah Trout (citizen), Jeffrey Bishop (citizen), Cody Spyker (citizen), Jay Hormel (Rocky Mountain Peace & Justice Center), Harvey Nichols (CU Boulder), Abebayehu Zula (student, Metro State), Fisseha Asress (student, Metro State).

Convene/Agenda Review

Chair Bob Briggs convened the meeting at 8:37 a.m. Referring to a scheduled presentation by Leroy Moore, Lori Cox stated her opinion that it was quite irregular for a citizen to have such a long period of time on the Stewardship Council's agenda. Shari Paiz responded by stating that this time will be a good opportunity for new members to meet and hear from Mr. Moore directly, since the Board has received so much correspondence from about various issues. David Abelson noted that Shari brought this request to the Executive Committee, which approved it and then David invited Mr. Moore to speak. Bob Briggs added that the officers felt that this presentation would be valuable to Board members as an opportunity to gain a better understanding of various viewpoints about Rocky Flats issues.

Chairman's Review of Aug 12 Executive Committee meeting

Chairman Briggs noted that an Executive Committee meeting was held on August 12. The purpose was to develop the agenda for this meeting. He asked if there were any questions, and there were not. He noted that these meetings are always open to the public.

Consent Agenda

David Allen noted that the word 'let' was missing on page 2 of the June 6, 2011 minutes. Roman Kohler moved to approve the June Board meeting minutes as amended and the checks. The motion was seconded by Arthur Widdowfield. The motion to accept the minutes and checks passed 11-0.

Executive Director's Report

David Abelson began his report to the Board by welcoming a new member, Jim McCarthy from Arvada. He then updated the Board about a significant reorganization within DOE. The \$5.5 billion Environmental Management program, which is responsible for nuclear site remediation, and the Office of Legacy Management (DOE-LM), which manages Rocky Flats, are being moved to the Office of the Undersecretary for Nuclear Security. However, this move has hit a road block. A bill moving through the House would prohibit funding for DOE-EM in this program. The Senate's version contains a provision that would require a plan from DOE explaining this new organization. The funding bill will be going through Congress in early December, after which there should be greater clarity. This will also happen after the debt commission's report. David said that the reason this organizational issue is important to the Stewardship Council is that DOE-LM is currently a stand-alone office, and the concern would be the possibility of funding intended for DOE-LM being diverted to other programs. David said he hoped DOE-LM will maintain independent budget authority. He said this news should not cause alarm, but is something to be aware of. In terms of the draft budget, both the House and Senate have essentially provided full funding for DOE-LM. It is a bit lower than last year's budget because of some fulfilled some pension obligations.

David next spoke about an Inspector General report regarding the Department of Interior and Rocky Flats. A copy was provided to Board members. This report, issued in late July, blames a lack of funding for dealing with invasive weeds for causing problems in terms of site ecology and the potential movement of radioactive materials in the environment. CDPHE and EPA sent letters to the IG pointing out deficiencies in the analysis. The IG referenced a 2003 letter from the regulators addressing this issue, yet since that time, the entire Refuge was released for unrestricted use. Also, since this time, the boundaries of Refuge were defined. In 2003, it was not known that a 'Central OU' would be retained by DOE.

Rik Getty gave a brief update about a scheduled surface water discharge at Rocky Flats. The discharge was to start later that day and would consist of water from ponds A-4 and B-5, which had been tested in mid-August and found to meet applicable standards. The site estimated that it would take approximately twelve days to complete the discharge. Once complete, these ponds will be left in flow-through configuration, rather than closing the outlet valves. A new Point of Compliance (POC), called Wal-POC, is now operational in addition to the existing POC on Indiana Street.

David's final update was about Board membership. All of the Board members' two-year terms will be over in February. In order to publicize the opportunity for new people to apply for Board membership, staff will send out letters and emails, post notices online and in newspapers, and ask member organizations and governments to circulate. There will be interviews at the meeting on November 14th. David noted that both Lori Cox and Shari Paiz are term-limited within their governments, and therefore will not be able to represent their cities past the November meeting. Because Shari is also on the Executive Committee, there will be a gap on this committee until the February Board meeting at which new officers will be elected. According to Bob Briggs, the Executive Committee found this to be acceptable and noted that everyone is welcome at their meetings.

Public Comment

The first to speak was Anne Fenerty, citizen of Boulder. She said she read the CDPHE/EPA letter to the Inspector General. She said she never knew anything about unrestricted use at Rocky Flats. She asked that since the open space cleanup scenario included an analysis of a refuge manager living onsite, whether this meant that there would be building onsite. David Abelson explained that the Refuge bill included a prohibition against former Rocky Flats land ever being out of government control. He added that the unrestricted use designation did mean that the USFWS can do whatever it would like in terms of trails or other uses. David noted that for cleanup, the analysis had to be based on the 'maximally exposed individual' (someone living onsite). However, this was only an assumption to guide cleanup; it was not a plan. Anne asked for a definition of unrestricted use in writing. She noted that certain sites had been cleaned up to a six foot depth, polluted structures were buried, and the original landfill contained radioactive materials. Anne said that the buffer zone is not an ordinary Wildlife Refuge. She referred to a comment made by a site manager that plutonium is just a metal. She commented that radioactive materials cannot be safely disposed of, because of their long half lives and that this understanding seems to be missing. Carl Spreng said that he would be happy to provide the regulatory definition of 'unrestricted use'. He added that, before cleanup was completed at Rocky Flats, Congress defined what the future use would be. However, during the final risk assessment and decision, the site and regulators used a more sensitive scenario than required on which to base the cleanup levels. This was a rural resident scenario, including both adult and child. Because the cleanup met the criteria for this most conservative assumption, the site was cleared for any use, even though it was already set aside as a Wildlife Refuge.

Mickey Harlow spoke next. She asked about the status of modifications to the CAD/ROD. Scott Surovchak said it was actually an 'amendment', not a 'modification' and that the site was finalizing it at that time. He said it needed to be signed by all three parties, and that would probably happen within the next two weeks. He added that a 'response to public comments' will be part of the final document. Mickey said that the comments are not labeled according to who submitted them and asked why this had changed. Scott said it had always been done this way. Shirley Garcia asked if there would be a meeting to go over the final wording. She said she would like a discussion of the questions that had been submitted by each entity. Scott said this would have to be a public meeting.

Board Review of Stewardship Council Activities for 2011 and Initial Review of 2012 Work Plan

David Abelson noted that a few slight, proposed changes to the Work Plan were highlighted in the Board packet. These changes included adding provisions for addressing the CERCLA fiveyear review and the Adapted Management Plan. It also scaled back on USFWS issues due to lack of activity. Another change was to incorporate the City of Thornton into the organization. David said that it was his belief that this organization continues to move forward, meet the challenges it set for itself, and uphold its mission as the Local Stakeholder Organization (LSO) for Rocky Flats. Shari Paiz asked whether the document did not mention the removal of the rotating membership between Northglenn and Golden because these cities were already members. David Abelson said that was the case, and that he did not see this as a substantive change. David Allen asked about role of the Stewardship Council, or individual organizations/governments, with respect to the CERCLA five-year review. David Abelson said that he tried to use a very broad term for the Board's role, which was why it was simply called 'participation'. He said it would be easy to determine at least the minimum level of involvement this will entail, such as briefings, and the submission of letters from some local governments. He added that, beyond that, it will really be up to the Board to discuss. Lori Cox suggested it may actually the regulators that make this determination about public involvement. David Abelson agreed that the agencies can put parameters on what they want in terms of public involvement; however, there is nothing that prohibits the Board from discussing and weighing in on these issues. Lori added her perception that 'participation' implies actually being part of the process. David Abelson said he believed that the term 'participation' is actually broader than this definition. He said it also included being engaged in the dialogue and being able to articulate input. Scott Surovchak clarified that the development of the five-year review is DOE's responsibility, while EPA has oversight.

FY 12 Budget – Initial Review

Barb Vander Wall explained the process that the Board must use to develop and approve a budget. The first step is review a draft budget. That is being done at this meeting. The next step is to publish a notice of a public hearing (scheduled for November 14th). The public has an opportunity to comment at the hearing. Once the hearing is closed, the Board has an opportunity to comment. Once approved, the budget is filed with the Division of Local Government. David Abelson explained that the Board's budget always includes higher amounts than is projected to be spent. This allows the Board to avoid a cumbersome 'supplemental budgeting' process in the event of an unexpected expense. David noted that the Board has never come close to exceeding its budget and that the amount has remained approximately the same for a number of years. At this point, he saw no reason to expand or scale back the budget. Shari Paiz asked if the total for local government contributions would increase because of additional members. David Abelson said it would and thanked her for pointing that out. Arthur Widdowfield noted that the amount budgeted for contractual and accounting seemed a bit high. David Abelson said that this was part of the over-budgeting he mentioned, and that they were not intending to spend the full amounts. He explained that this 'cushioning' could prove to be useful if something unexpected arises, such as the Board wishing to hire a consultant for some reason. Barb Vander Wall said that this was also a business strategy, since it could lead to cost-savings by avoiding the added expense of the

supplemental appropriations process. When there were no more questions or comments, David Abelson said that the only change to the draft budget the Board will see at the next meeting will be the increase in local government contributions. The actual vs. projected budget will also be updated. Jeannette Hillery asked when this budget will take effect. David noted that the Stewardship Council is on a calendar year schedule.

Continue Triennial Review

David Abelson explained that the Board must amend its Intergovernmental Agreement (IGA) to add Thornton, change Northglenn and Golden from rotating to permanent members, and to change voting numbers. David said the plan was to discuss and answer any questions at this meeting. The changes will be reviewed by each government's attorneys, with the Board's approval vote scheduled for the November meeting.

<u>Lori Cox moved to amend the IGA to add the City of Thornton to the Board. The motion was seconded by Joe Cirelli.</u> The motion passed 11-0.

Shari Paiz moved to amend the IGA to add Northglenn and Golden as permanent members of the Board. The motion was seconded by Shirley Garcia. The motion passed 11-0.

David Abelson next guided the Board in a discussion of revised voting numbers. Currently, there are 12 voting members, and 9 are required to pass a vote as well as to constitute a quorum. Because there are 8 governments, the Board originally picked 9 because this meant that at least one non-governmental member must be present, or vote on an issue. The new Board will have 14 members. Using same logic that was behind the original setup, the new number for voting and quorum would be 11. Arthur Widdowfield said he agreed with this because it would put the burden on all members to show up.

Arthur Widdowfield moved to revise the Board's quorum and number of votes required to pass a resolution to 11. The motion was seconded by Jeannette Hillery. Joe Cirelli asked if there had been any history of problems reaching quorum. David Abelson said there was only one meeting at which the Board lost a quorum. He said there was another meeting at which they did not have a quorum until later in the meeting. Shari Paiz asked whether the 11 votes necessary would require 10 local governments plus one other. David Abelson said that, with the current wording, it could be any combination of 11 votes. The motion passed 11-0.

David Abelson asked if Board members had any questions about the triennial review resolution. David Allen asked about the logistics for exactly how the resolution should be provided to the local governments' attorneys for review. Barb Vander Wall said that staff would be providing notice to all relevant parties and then each entity would go through their own process. David Allen said it would be helpful to have this in an editable document. He asked if Board members needed to take the lead on bringing this to their attorneys, and added that it would make sense to provide both the IGA and triennial review at the same time. Barb Vander Wall said that Board members should indeed provide the documents to the attorneys and identify any issues. They should then bring communicate these issues to David and Barb so that they may make changes to the document. David Abelson said staff would send an email clarifying this process. Since the

attorney review might take a while, that is why they are starting now. He noted that members should also involve government staff because of rules with council members or other issues. David Allen asked at which meeting Thornton will become a voting member. David Abelson said the Board will amend the bylaws at the beginning of the February meeting, with Thornton sitting at table. The IGA would then be approved, which supersedes the bylaws. Final approval of the bylaws is scheduled for the April meeting.

DOE Briefing on 2012 CERCLA Five-Year Review

Rick DiSalvo, Assistant Project Manager for Stoller, provided an update on the third CERCLA five- year review at Rocky Flats. This presentation was scheduled to be the kick-off of the review process. There will be a notice in the newspapers and a portal on the website dedicated to this project, as well as status reports at Stewardship Council meetings. Since it is so early in the process, the project team has not yet had a meeting. The five-year review must be completed by September 14, 2012.

Rick began with a quick review of the status of Rocky Flats' Operable Units (OUs). OU3 and the Peripheral OU were deleted from CERCLA in 2007, after it was determined that they presented no significant risk. The Central OU is the only one left at the site. Its remedy includes continued monitoring, as well as physical and institutional controls.

Rick noted that there was some good information about this project in the Board packet. DOE is responsible for conducting the review, with the participation of EPA and CDPHE. He said that the project team will be following the existing CERCLA five-year review guidance. The end goal of the review will be to produce a protectiveness determination. To do this, the site will need to answer three questions. The project will involve reviewing monitoring results and reviewing the assumptions that were used in order to determine whether they still valid. The team will also investigate whether there have been any changes to relevant standards. Another question is whether or not the defined 'remedial action objectives' are still valid and if there is any new information that should be considered. There are four possible protectiveness statements. Results of the review will also include identification of issues, and recommendations for any necessary follow-up actions. To complete the review, the team will look at existing documentation, perform a site inspection and look at cost data. Required evaluations will include new technologies, remedy component changes and inspection monitoring frequencies.

Shelley Stanley asked whether cost would factor into any potential determination to change remedies. Rick said that it could. Shari Paiz asked if there was any way that the information that the team will be reviewing could be released to public so they can follow along. Rick said that all of the information is already in the public domain. Shari also stated that she was concerned about changing inspection frequencies. Rick said that if this were the case, it would only be recommendation and would still need to go through the regulatory process. David Allen asked what the community involvement piece would entail. Rick said there would be notification, updates on process, and the opportunity for feedback about any concerns. He said that there is no formal comment period associated with this process. David added that community 'involvement' and 'participation' seemed like the wrong terms for this process, and that 'public

notification' was probably a better description. Rick noted that the site receives and accepts feedback from the community on a regular basis and that any comments would be welcomed.

Mickey Harlow asked about scientists and engineers that will be involved, per superfund regulations. Rick said this will be discussed and that he was pretty sure it was already included in the process. Anne Fenerty brought up the original landfill. She said it did not get a protective cover, and that it was located on a sensitive landslide area. She wanted to know what the site was doing to monitor this area. Rick said this would be discussed in the next presentation. Deborah Trout asked if there would be a written work plan to guide this process. Rick said it was covered in CERCLA guidance. She asked if there would be a separate project work plan. Rick said there would not, as they would be following the guidance. Another audience member asked if DOE works with EPA to develop the report. Rick said that they do, and that EPA goes through the guidance line by line.

Host DOE Annual Meeting

DOE brief on site activities for the first quarter of 2011. DOE has posted the report on its website. Activities included surface water monitoring, groundwater monitoring, ecological monitoring, and site operations (inspections, maintenance, etc.).

Surface Water – George Squibb

There were no discharges or transfers during the quarter. It was very dry, with only about a half-inch of precipitation. Flow rates were about a quarter of the average, ranging from zero to 33% of average. Pond levels were only about 8% of capacity.

At the Present Landfill, all results for performance monitoring were below the standards. At the Original Landfill, monitoring results during the first quarter triggered monthly sampling for silver. Silver was not detected in the first monthly sample collected during the second quarter, so monthly sampling was discontinued. George next reviewed slides showing the sampling results for the Points of Compliance. All levels were below applicable standards. Also, water quality at all points of evaluation, except SW027, was below applicable standards.

12-month rolling averages at POE SW027 continued to exceed the standard for Pu-239,-240 (0.15 pCi/L) through January 31, 2011. Rick said that the continued exceedance is primarily due to lack of runoff since 2010 (i.e. no additional results are being added to the rolling average). Looking back, plutonium sample results from April through October 2010 (one result) were well below the standard. There was no flow from October 2010 through May 17, 2011 and there has been no subsequent flow since May 21, 2011. Water quality at all other POEs was below applicable standards during the quarter. After the contamination had been attributed to the 903 Pad and lip area, erosion control measures were put in place. Because these fixes worked so well, the result was a lack of water for sampling. An audience member asked what percentage of the area draining into SW027 was re-vegetated. George said it was probably about five percent. Shelley Stanley asked what the sampling routine will be at the new Wal-POC. George said it would use both 30-day and 12-month rolling averages, each of which trigger different reporting requirements. The 12-month standard is regulatorily enforceable, while elevated 30-day average results would trigger a consultation process. Shirley Garcia asked about the new POC's. George

said that the site will send a letter of notification when the POC's change, since the parties had already agreed to the changes through modifications to RFLMA. She also asked how they sample for nitrates. George said that they will collect a nitrate grab at start of each automated composite. The frequency varies with runoff. He said that they are also doing a 2-week turnaround. The cities will be notified, per the AMP, when bottles are pulled and when results are received. The changes will be updated in the Site Operations Guide non-RFLMA appendix. These will be posted very soon.

Groundwater – John Boylan

The first quarter is light sampling quarter. All 10 RCRA wells were sampled and the results were reviewed in accordance with the RFLMA Attachment 2 decision flowchart. Results will be evaluated in the 2011 annual report. Additional sampling was completed at several locations associated with the Mound Site Plume Treatment System (MSPTS) and Solar Ponds Plume Treatment Systems (SPPTS). At MSPTS, sampling was completed in preparation for media replacement. Additional activities included installing piping stubs to accommodate possible future plumbing upgrades; repairing the subsurface effluent discharge gallery; and selection, design, and installation of a polishing component (an innovative, solar-powered air stripper housed within existing effluent manhole). Fieldwork was completed by the end of March 2011. At SPPTS, there was continued sampling to support optimization and evaluation of system performance. This included maintenance of Phase III Cell A (inert media dosed with liquid carbon source) and disposition of the contents of original treatment Cells 1 and 2. Shelley Stanley asked whether the site was still dosing with phosphorous. John said they were not dosing it separately, but it was still used in combination with other materials.

Site Operations – Rick DiSalvo

At the Present Landfill (PLF), the quarterly inspection was completed on February 28. No areas of concern were observed. Rick mentioned that this landfill was not constructed as RCRA landfill. At the Original Landfill (OLF), monthly inspections were completed on January 28, February 28, and March 30, 2011. Rick also reviewed the components of the OLF, which include a series of settlement monuments and inclinometers. Most seep locations on the OLF were dry throughout the first quarter. Seeps 4 and 8 were the only locations that produced active seepage throughout the quarter. This is typical for the OLF cover during this period. Wetland vegetation on the OLF cover was dormant during the first quarter. Settlement monuments were surveyed on March 23, 2011, and data were within the expected range per the Original Landfill Monitoring and Maintenance Plan. Inclinometers were measured January 26 and February 22, 2011. Readings showed very little deflection, which was consistent with expected results. There was no heavy or prolonged precipitation during the quarter. The Berm 1 crack was filled and compacted in 2010 and no new cracking appeared during the quarter. The end of Berm 7 at the East Perimeter Channel was repaired in 2010 and no problems were noted in the quarter. Per the OLF Monitoring and Maintenance Plan, a survey is conducted approximately every 2 years. This aids in periodically evaluating subsidence and consolidation, slope stability, and precipitation run-on and run-off management structures. Survey field work was completed in March. There was also a geotechnical engineer review. Maintenance was required for approximately 700 feet of the diversion berm. Several inches of soil was added to maintain minimum berm height and recontour and fill minor depressions in localized areas. This minimized the potential for ponding in berm channels. Work was completed in August.

When it was constructed, the OLF was closed with a soil cover, similar to municipal dumps at the time. Contents included constructions debris, asphalt, and drywall. There was one incident when depleted uranium was put in the landfill. It was removed, but a small amount was left. Radioactive material areas were removed as part of cleanup. Then soil was brought in as a cover. This landfill includes some components of RCRA closure, such as the well monitoring scheme. Anne Fenerty asked how large the landfill was. Rick said it was about 20 acres. He said that neither of the site's landfills has a liner. The PLF has a composite RCRA cover. The OLF has a soil cover. A RCRA cover would have cost a lot more. Slope requirements would have been quite substantial. Still, very little groundwater contaminants have been found in these areas.

The annual site inspection took place in March. The inspection team includes regulators as well as site personnel. For this inspection, the site is divided into five areas to be walked down and inspected – former 300 and 400 Areas; former 700 and 991 Areas; former 800 Area; former 903 Pad and East Trenches Area; and the former Ash Pits Area. This year, they also included the SW027 drainage area. The team walked down surface of each area to observe conditions. They do not spend a lot of time on areas that are routinely inspected.

One of the main tasks is to inspect and monitor for evidence of significant erosion. This is done through visual observation for precursors of significant erosion, and then an evaluation of the proximity of any significant erosion to subsurface features. Another task is to inspect the effectiveness of institutional controls (ICs). Effectiveness is determined by evaluating any evidence of violation of ICs and determining whether required signs are in place and verifying that the Environmental Covenant is in the Administrative Record and on file with Jefferson County (this was verified March 19, 2011). The team also looks for evidence of any adverse biological conditions.

No significant erosion was noted, but some holes and surface debris were noted. A deep hole was found at former B881. It was about 20-25 feet deep, and found in the area above a stairwell (this building was imploded). Other holes were minor. All holes were filled in, and debris and trash was collected or flagged for pick up. The hole at B881 led to the institution of a new site wide procedure to delineate the location of buried buildings by placing stanchions in these areas.

No adverse biological conditions were noted. Also, there was no evidence of IC violations and signs were in place. David Allen asked how much dirt was needed to fill the large hole. Rick said it was about 4-5 truckloads. Shirley Garcia asked if there were any problems in the B771/776 area. Rick said there was not.

Briefing by LeRoy Moore

LeRoy Moore with the Rocky Mountain Peace and Justice Center was invited to present some information about his perspectives and concerns with the cleanup and closure of Rocky Flats, and related issues. LeRoy has been involved with Rocky Flats issues since 1978. Since that time, he resisted production at the plant until it officially ended in 1992, and then served on several advisory or oversight bodies for several years. He has written many articles and papers

on all aspects of Rocky Flats, and for a number of years was a lay member of two committees of the National Council on Radiation Protection and Measurements.

LeRoy was on hand to discuss his paper entitled "Rocky Flats: The Case for Nuclear Guardianship." This 15-page paper (included in the Board packet) addresses four topics about which he has significant concerns: 1) the questionable character of the Rocky Flats "cleanup"; 2) the toxicity of plutonium; 3) the dubious foundation of standards for permissible exposure to radiation; and 4) Response: Nuclear Guardianship for Rocky Flats.

In explaining why he questions the Rocky Flats cleanup, LeRoy argues that the government bodies responsible for the cleanup failed to review certain data, ignored findings of various studies, and did not prepare an Environmental Impact Statement. He said that well into the cleanup process, it become known that (years earlier) a limit had been placed on funding for the cleanup. He also stated that the final Rocky Flats Cleanup Agreement was rejected by 86% of the parties who commented on it.

LeRoy next commented on the toxicity of plutonium. He argues that it poses an essentially permanent hazard at the site and that risk assessment calculations fail to protect the most vulnerable in the population. He is also concerned about potential harm to the human gene pool due to plutonium exposure.

LeRoy and his colleagues believe that standards for permissible exposure to radiation are flawed. He referred to a recent study showing that any exposure to radiation is potentially harmful, and points out that current risk analysis assumes that some level of exposure is acceptable. He also commented that the effects of exposure on wildlife have not been sufficiently examined. His concern is that the uncertainty that is inherent in risk analysis is often interpreted to reflect the absence of a problem rather than the possible presence of one.

LeRoy's suggested path forward at Rocky Flats and other nuclear sites is the practice of 'Nuclear Guardianship', which advocates both extreme caution in the presence of highly uncertain conditions, as well as a long-term commitment to permanently isolate these materials from the environment and to protect humans and other creatures from any further exposure.

Public comment

There was none.

Updates/Big Picture Review

November 14 (second Monday)

Potential Business Items

- Continue Stewardship Council triennial review
- Budget hearings for 2012 budget
- Approve 2012 work plan
- New member interviews/appointments

Potential Briefing Items

- DOE quarterly briefing
- Continue discussion of CERCLA 5-year review

February 6, 2012

Potential Business Items

- Elect 2012 officers
- Adopt resolution for 2012 meeting dates

Potential Briefing Items

- DOE quarterly briefing
- Continue discussion of CERCLA 5-year review
- Update on Solar Ponds performance

One of the Board Members asked whether there are any criteria for groups wishing to become members of the Board. David Abelson said that, in general, applicants must have an interest in the issues, as well as a viewpoint that adds value. Also, they cannot be involved in any pending litigation against one of the agencies. Sue Vaughan brought up a previous request to have audience members introduce themselves at the beginning of the meeting. David Abelson noted that many people came later in the meeting, and suggested this could be done at a break.

Issues to watch:

Original landfill performance, including special sampling program results Data for CERCLA review AMP monitoring results

The meeting was adjourned at 11:51 a.m.

Respectfully submitted by Erin Rogers.

11:47 AM 10/23/11

Rocky Flats Stewardship Council Check Detail

August 27 through October 23, 2011

Туре	Num	Date	Name	Account	Paid Amount	Original Amount
Check		9/28/2011		CASH-Wells Fargo-Operating		-3.50
				Admin Services-Misc Services	-3.50	3.50
TOTAL					-3.50	3.50
Bill Pmt	1515	9/9/2011	Crescent Strategies, LLC	CASH-Wells Fargo-Operating		-7,694.00
Bill	8/31/	8/31/2011		Personnel - Contract	-6,850.00	6,850.00
				Telecommunications	-140.88	140.88
				TRAVEL-Local Postage	-47.73 -15.99	47.73 15.99
				TRAVEL-Out of State	-639.40	639.40
TOTAL					-7,694.00	7,694.00
Bill Pmt	1516	9/9/2011	Jennifer A. Bohn	CASH-Wells Fargo-Operating		-306.00
Bill	11-67	8/31/2011		Accounting Fees	-306.00	306.00
TOTAL				J	-306.00	306.00
Check	1517	9/9/2011	Century Link	CASH-Wells Fargo-Operating		-27.64
			•		27.64	27.64
				Telecommunications	-27.64	27.64
TOTAL					-27.64	27.64
Bill Pmt	1518	9/9/2011	Seter & Vander Wall, P.C.	CASH-Wells Fargo-Operating		-1,657.50
Bill	61448	8/31/2011		Attorney Fees	-1,657.50	1,657.50
TOTAL					-1,657.50	1,657.50
Check	1519	10/2/2011	Century Link	CASH-Wells Fargo-Operating		-27.22
				Telecommunications	-27.22	27.22
TOTAL					-27.22	27.22
Bill Pmt	1520	10/2/2011	Blue Sky Bistro	CASH-Wells Fargo-Operating		-195.85
Bill	703	9/12/2011		Misc Expense-Local Government	-195.85	195.85
TOTAL					-195.85	195.85
Bill Pmt	1521	10/2/2011	Crescent Strategies, LLC	CASH-Wells Fargo-Operating		-9,029.93
Bill	9/30/	9/30/2011		Personnel - Contract	-6,850.00	6,850.00
				Telecommunications	-140.88	140.88
				TRAVEL-Local Postage	-122.66 -215.99	122.66 215.99
				TRAVEL-Out of State	-674.14	674.14
				Admin Services-Misc Services	-857.76	857.76
				Printing	-168.50	168.50
TOTAL					-9,029.93	9,029.93
Bill Pmt	1522	10/2/2011	Jennifer A. Bohn	CASH-Wells Fargo-Operating		-238.00
Bill	11-79	9/30/2011		Accounting Fees	-238.00	238.00
TOTAL					-238.00	238.00

ROCKY FLATS STEWARDSHIP COUNCIL

P.O. Box 17670 Boulder, CO 80308-0670 www.rockyflatssc.org (303) 412-1200 (303) 412-1211 (f)

Jefferson County -- Boulder County -- City and County of Broomfield -- City of Arvada -- City of Boulder
City of Golden -- City of Northglenn -- City of Westminster -- Town of Superior
League of Women Voters -- Rocky Flats Cold War Museum -- Rocky Flats Homesteaders
Arthur Widdowfield

MEMORANDUM

TO: Stewardship Council Board

FROM: Rik Getty

SUBJECT: DOE Quarterly Briefing

DATE: October 26, 2011

We have scheduled 75 minutes for DOE to present its quarterly briefing for the second quarter of 2011 (April - June). Attached to this briefing memo is the report text (minus blank pages and the two appendices). Appendix A consists of the landfill inspection forms, and Appendix B consists of the analytical results for water samples. The entire report can be found at: http://www.lm.doe.gov/Rocky_Flats/Documents.aspx

DOE will brief on the following topics in a format similar to past quarterly and annual report updates:

- surface water monitoring;
- groundwater monitoring;
- ecological monitoring; and,
- site operations (inspections, pond operations, security, general maintenance, etc.). DOE will also provide a short update on the status of the 2012 CERCLA 5-year review.

Highlights of the surveillance and maintenance activities are excerpted from the quarterly report as follows.

Present Landfill Inspection

The routine PLF inspection for the second quarter of CY 2011 was performed on May 31, 2011. No significant problems were observed during these inspections. Copies of the landfill inspection forms are presented in Appendix A.

Original Landfill Inspection

Routine OLF inspections during the second quarter of CY 2011 were performed on April 29, May 31, and June 30, 2011. The landfill cover vegetation was evaluated on May 23, 2011. No significant problems were observed during these inspections. The completed inspection forms are presented in Appendix A.

Groundwater Treatment Systems

Mound Site Plume Treatment System (MSPTS)

Routine maintenance activities continued at the MSPTS through the second quarter of CY 2011. In February and March, prior to the second quarter, an effluent polishing component was installed. The polishing component is a solar-powered airstripper that is contained within the pre-existing effluent metering manhole. During the second quarter, the unit was tested for effectiveness and optimized; this testing and optimization continues. Once optimized, the unit will be equipped for uninterrupted operation. The 2011 annual report will provide a more comprehensive discussion of the unit and its associated optimization.

East Trenches Plume Treatment System (ETPTS)

Routine maintenance activities continued at the ETPTS through the second quarter of CY 2011. These activities included checking influent and effluent flow conditions and water levels in the cells.

Solar Ponds Plume Treatment System (SPPTS)

Routine maintenance activities continued at the SPPTS through the second quarter of CY 2011. These activities included weekly inspections of the solar/battery systems that power the pumps, the operation of the pumps, and influent and effluent flow conditions. The Phase II and III upgrades that were completed in the second quarter of CY 2009 continued to be a focal point for optimization efforts. Most of these efforts were directed to operation of Phase III Cell A (the cell filled with inert media, which is dosed with liquid carbon to support denitrifying bacteria), and included adjustments to recirculation, flow rates, and dosing. In addition, due to accumulation of biomass in the cell, routine maintenance included using a rod or similar tool to puncture and break apart the biomass.

Present Landfill Treatment System (PLFTS)

Routine maintenance activities continued at the PLFTS through the second quarter of CY 2011. These activities generally consisted of inspecting the system for potential problems.

Erosion Control and Re-vegetation

Maintenance of the site erosion control features required continued effort throughout the second quarter of CY 2011, especially following high-wind or precipitation events. Erosion wattles and matting loosened and displaced by high winds or rain were repaired. Erosion controls were installed and maintained for the various projects that were ongoing during the second quarter of CY 2011. Several areas were interseeded with additional native species to increase vegetation cover.

Water Monitoring Highlights

During the second quarter of CY 2011, the water monitoring network successfully met the targeted monitoring objectives as required by the RFLMA and was in conformance with RFSOG implementation guidance. The RFLMA network consists of 11 automated gaging stations, 10 surface water grab-sampling locations, 8 treatment system locations, 99 wells, and 8 precipitation gages. During the quarter, 35 flow-paced composite samples, 6 surface water grab samples, 15 treatment system samples, and 55 groundwater samples were collected (in accordance with RFLMA protocols) and submitted for analysis. An additional three flow-paced

composites were in progress during the quarter, and analytical data were not available for this report.

All water quality data at the RFLMA POCs remained well below the applicable standards through the second quarter of CY 2011.

Elevated levels of plutonium-239,240 were measured at POE SW027 (near the South Interceptor Ditch in the Woman Creek drainage) during the second quarter of 2010. These data are presented and discussed further in Section 3.1.3.2. Since SW027 has seen very little flow since April 2010, no additional composite samples have been collected. Thus, no new analytical data are available to include in the 12-month rolling average, and the 12-month rolling average for plutonium remains at reportable levels. All other analyte concentrations at SW027 remained below reporting levels as of the end of the second quarter of CY 2011.

All POE analyte concentrations at GS10 (upstream of the B-series ponds in South Walnut Creek) and SW093 (upstream of the A-series ponds in North Walnut Creek) remained below reporting levels as of the end of the second quarter of CY 2011. Erosion and runoff controls, as well as extensive revegetation efforts, have been effective in measurably reducing both sediment transport and constituent concentrations. As of the end of the second quarter of CY 2011, these monitoring locations continued to show plutonium-239, 240 and americium-241 activities well below the RFLMA standards. With the removal of impervious areas (resulting in decreased runoff), the stabilization of soils within the drainages, and the progression of revegetation, water quality is expected to continue to be acceptable.

Groundwater monitoring results will be evaluated as part of the annual report for CY 2011.

Please contact me if you have any questions.



Rocky Flats Site, Colorado

Quarterly Report of Site Surveillance and Maintenance Activities Second Quarter Calendar Year 2011

October 2011



Contents

Abbr	eviatio	ns			V
1.0	Intro	duction.			1
	1.1	Modif	ication of R	RFLMA Attachment 2	2
	1.2	Propos	sed Plan for	r Amendment of the Corrective Action Decision/ Record of	
	Decis	sion (CA	AD/ROD)		2
2.0	Site (Operatio	ns and Mai	intenance	3
	2.1	Landfi	lls		3
		2.1.1	Present La	andfill	3
			2.1.1.1	Inspection Results	3
			2.1.1.2	Settlement Monuments	3
		2.1.2	Original I	andfill	3
			2.1.2.1	Inspection Results	4
			2.1.2.2	Settlement Monuments	4
			2.1.2.3	Inclinometers	4
			2.1.2.4	Slumps	4
			2.1.2.5	Topographic Survey	7
			2.1.2.6	Seeps	7
	2.2	Groun	dwater Tre	atment Systems	
		2.2.1	Mound Si	te Plume Treatment System	8
		2.2.2	East Tren	ches Plume Treatment System	8
		2.2.3		ds Plume Treatment System	
		2.2.4		andfill Treatment System	
	2.3	Erosio		and Revegetation	
3.0	Envi	ronment	al Monitori	ing	9
	3.1	Water			
		3.1.1	Water Mo	nitoring Highlights	9
		3.1.2	POC Mon	itoring	10
			3.1.2.1	Monitoring Location GS01	10
			3.1.2.2	Monitoring Location GS03	13
			3.1.2.3	Monitoring Location GS08	17
			3.1.2.4	Monitoring Location GS11	21
			3.1.2.5	Monitoring Location GS31	25
		3.1.3	POE Mon	itoring	27
			3.1.3.1	$oldsymbol{arepsilon}$	
			3.1.3.2	Monitoring Location SW027	
			3.1.3.3	Monitoring Location SW093	
		3.1.4		ls and Surface Water Location SW018	
		3.1.5	•	Wells	
		3.1.6		Vells	
		3.1.7		n Wells	
		3.1.8		itoring	
		3.1.9		itoring	
		3.1.10		ater Treatment System Monitoring	
			3.1.10.1	Mound Site Plume Treatment System	
			3.1.10.2	East Trenches Plume Treatment System	
			3.1.10.3	Solar Ponds Plume Treatment System	
			3.1.10.4	PLF Treatment System	39

3.1.12. Non-RFLMA Monitoring 3.1.12.1 High-Resolution Inductively Coupled Plasma/Mass Spectrometry and Thermal Ionization Mass Spectrometry Analyses		3.1.11 Pre-Discharge Monitoring	39
Spectrometry and Thermal Ionization Mass Spectrometry Analyses. 39 4.0 Adverse Biological Conditions 40 5.0 References 40 Figures Figure 1. Original Landfill Observed Surface Cracking Location and Inclinometer Locations 55 Figure 2. Volume-Weighted 30-Day Average Plutonium and Americium Activities at GS01: Calendar Year Ending Second Quarter CY 2011 11 Figure 3. Volume-Weighted 30-Day Average Plutonium and Americium Activities at GS01: Post-Closure Period Ending Second Quarter CY 2011 11 Figure 4. Volume-Weighted 30-Day Average Plutonium Concentrations at GS01: Calendar Year Ending Second Quarter CY 2011 11 Figure 5. Volume-Weighted 30-Day Average Total Uranium Concentrations at GS01: Calendar Year Ending Second Quarter CY 2011 12 Figure 6. Volume-Weighted 30-Day Average Plutonium and Americium Activities at GS03: Calendar Year Ending Second Quarter CY 2011 12 Figure 7. Volume-Weighted 30-Day Average Plutonium and Americium Activities at GS03: Calendar Year Ending Second Quarter CY 2011 12 Figure 8. Volume-Weighted 30-Day Average Plutonium and Americium Activities at GS03: Post-Closure Period Ending Second Quarter CY 2011 13 Figure 8. Volume-Weighted 30-Day Average Plutonium and Americium Activities at GS03: Post-Closure Period Ending Second Quarter CY 2011 14 Figure 8. Volume-Weighted 30-Day Average Total Uranium Concentrations at GS03: Post-Closure Period Ending Second Quarter CY 2011 14 Figure 9. Volume-Weighted St0-Day Average Total Uranium Concentrations at GS03: Post-Closure Period Ending Second Quarter CY 2011 15 Figure 10. Volume-Weighted 85th Percentile of 30-Day Average Nitrate + Nitrite Concentrations at GS03: Calendar Year Ending Second Quarter CY 2011 15 Figure 11. Volume-Weighted 85th Percentile of 30-Day Average Nitrate + Nitrite Concentrations at GS03: Calendar Year Ending Second Quarter CY 2011 15 Figure 12. Volume-Weighted 12-Month Rolling Average Plutonium and Americium Activitics at GS08: Calendar Year Ending Second Quarter CY 2011 18 Figure 13. Volume-Weighted 12-Month Rolling Average Plu			
Spectrometry and Thermal Ionization Mass Spectrometry Analyses			
Analyses			
Figure 1. Original Landfill Observed Surface Cracking Location and Inclinometer Locations			39
Figure 1. Original Landfill Observed Surface Cracking Location and Inclinometer Locations	4.0 Ad	·	
Figure 1. Original Landfill Observed Surface Cracking Location and Inclinometer Locations. Figure 2. Volume-Weighted 30-Day Average Plutonium and Americium Activities at GS01: Calendar Year Ending Second Quarter CY 2011			
Figure 1. Original Landfill Observed Surface Cracking Location and Inclinometer Locations. 5 Figure 2. Volume-Weighted 30-Day Average Plutonium and Americium Activities at GS01: Calendar Year Ending Second Quarter CY 2011. 11 Figure 3. Volume-Weighted 30-Day Average Plutonium and Americium Activities at GS01: Post-Closure Period Ending Second Quarter CY 2011. 11 Figure 4. Volume-Weighted 30-Day Average Total Uranium Concentrations at GS01: Post-Closure Period Ending Second Quarter CY 2011. 12 Figure 5. Volume-Weighted 30-Day Average Total Uranium Concentrations at GS01: Post-Closure Period Ending Second Quarter CY 2011. 12 Figure 6. Volume-Weighted 30-Day Average Plutonium and Americium Activities at GS03: Calendar Year Ending Second Quarter CY 2011. 13 Figure 7. Volume-Weighted 30-Day Average Plutonium and Americium Activities at GS03: Post-Closure Period Ending Second Quarter CY 2011. 14 Figure 8. Volume-Weighted 30-Day Average Plutonium and Americium Activities at GS03: Post-Closure Period Ending Second Quarter CY 2011. 14 Figure 9. Volume-Weighted 30-Day Average Total Uranium Concentrations at GS03: Post-Closure Period Ending Second Quarter CY 2011. 15 Figure 10. Volume-Weighted 85th Percentile of 30-Day Average Nitrate + Nitrite Concentrations at GS03: Calendar Year Ending Second Quarter CY 2011. 15 Figure 11. Volume-Weighted 85th Percentile of 30-Day Average Nitrate + Nitrite Concentrations at GS03: Post-Closure Period Ending Second Quarter CY 2011. 15 Figure 12. Volume-Weighted 12-Month Rolling Average Plutonium and Americium Activities at GS08: Calendar Year Ending Second Quarter CY 2011. 17 Figure 13. Volume-Weighted 12-Month Rolling Average Plutonium and Americium Activities at GS08: Post-Closure Period Ending Second Quarter CY 2011. 18 Figure 14. Volume-Weighted 12-Month Rolling Average Plutonium and Americium Activities at GS08: Post-Closure Period Ending Second Quarter CY 2011. 18 Figure 15. Volume-Weighted 12-Month Rolling Average Nitrate + Nitrite as Nitrogen Concentrations at GS08:			
Figure 1. Original Landfill Observed Surface Cracking Location and Inclinometer Locations. 5 Figure 2. Volume-Weighted 30-Day Average Plutonium and Americium Activities at GS01: Calendar Year Ending Second Quarter CY 2011. 11 Figure 3. Volume-Weighted 30-Day Average Plutonium and Americium Activities at GS01: Post-Closure Period Ending Second Quarter CY 2011. 11 Figure 4. Volume-Weighted 30-Day Average Total Uranium Concentrations at GS01: Post-Closure Period Ending Second Quarter CY 2011. 12 Figure 5. Volume-Weighted 30-Day Average Total Uranium Concentrations at GS01: Post-Closure Period Ending Second Quarter CY 2011. 12 Figure 6. Volume-Weighted 30-Day Average Plutonium and Americium Activities at GS03: Calendar Year Ending Second Quarter CY 2011. 13 Figure 7. Volume-Weighted 30-Day Average Plutonium and Americium Activities at GS03: Post-Closure Period Ending Second Quarter CY 2011. 14 Figure 8. Volume-Weighted 30-Day Average Plutonium and Americium Activities at GS03: Post-Closure Period Ending Second Quarter CY 2011. 14 Figure 9. Volume-Weighted 30-Day Average Total Uranium Concentrations at GS03: Post-Closure Period Ending Second Quarter CY 2011. 15 Figure 10. Volume-Weighted 85th Percentile of 30-Day Average Nitrate + Nitrite Concentrations at GS03: Calendar Year Ending Second Quarter CY 2011. 15 Figure 11. Volume-Weighted 85th Percentile of 30-Day Average Nitrate + Nitrite Concentrations at GS03: Post-Closure Period Ending Second Quarter CY 2011. 15 Figure 12. Volume-Weighted 12-Month Rolling Average Plutonium and Americium Activities at GS08: Calendar Year Ending Second Quarter CY 2011. 17 Figure 13. Volume-Weighted 12-Month Rolling Average Plutonium and Americium Activities at GS08: Post-Closure Period Ending Second Quarter CY 2011. 18 Figure 14. Volume-Weighted 12-Month Rolling Average Plutonium and Americium Activities at GS08: Post-Closure Period Ending Second Quarter CY 2011. 18 Figure 15. Volume-Weighted 12-Month Rolling Average Nitrate + Nitrite as Nitrogen Concentrations at GS08:			
Inclinometer Locations 5		Figures	
Figure 2. Volume-Weighted 30-Day Average Plutonium and Americium Activities at GS01: Calendar Year Ending Second Quarter CY 2011	Figure 1.		
GS01: Calendar Year Ending Second Quarter CY 2011			5
Figure 3. Volume-Weighted 30-Day Average Plutonium and Americium Activities at GS01: Post-Closure Period Ending Second Quarter CY 2011	Figure 2.		
GS01: Post-Closure Period Ending Second Quarter CY 2011		GS01: Calendar Year Ending Second Quarter CY 2011	11
Figure 4. Volume-Weighted 30-Day Average Total Uranium Concentrations at GS01: Calendar Year Ending Second Quarter CY 2011	Figure 3.		
Calendar Year Ending Second Quarter CY 2011			11
Figure 5. Volume-Weighted 30-Day Average Total Uranium Concentrations at GS01: Post-Closure Period Ending Second Quarter CY 2011	Figure 4.		
Post-Closure Period Ending Second Quarter CY 2011			12
Figure 6. Volume-Weighted 30-Day Average Plutonium and Americium Activities at GS03: Calendar Year Ending Second Quarter CY 2011	Figure 5.		
GS03: Calendar Year Ending Second Quarter CY 2011			12
Figure 7. Volume-Weighted 30-Day Average Plutonium and Americium Activities at GS03: Post-Closure Period Ending Second Quarter CY 2011	Figure 6.		
GS03: Post-Closure Period Ending Second Quarter CY 2011	-		13
Figure 8. Volume-Weighted 30-Day Average Total Uranium Concentrations at GS03: Calendar Year Ending Second Quarter CY 2011	Figure 7.	Volume-Weighted 30-Day Average Plutonium and Americium Activities at	
Calendar Year Ending Second Quarter CY 2011	T . 0		14
Figure 9. Volume-Weighted 30-Day Average Total Uranium Concentrations at GS03: Post-Closure Period Ending Second Quarter CY 2011	Figure 8.		
Post-Closure Period Ending Second Quarter CY 2011	п: о		14
Figure 10. Volume-Weighted 85th Percentile of 30-Day Average Nitrate + Nitrite Concentrations at GS03: Calendar Year Ending Second Quarter CY 2011	Figure 9.		1.5
Concentrations at GS03: Calendar Year Ending Second Quarter CY 2011	T' 10		15
Figure 11. Volume-Weighted 85th Percentile of 30-Day Average Nitrate + Nitrite Concentrations at GS03: Post-Closure Period Ending Second Quarter CY 2011	Figure 10		1.5
Concentrations at GS03: Post-Closure Period Ending Second Quarter CY 2011	Di 11		15
Figure 12. Volume-Weighted 12-Month Rolling Average Plutonium and Americium Activities at GS08: Calendar Year Ending Second Quarter CY 2011	Figure 11		16
Activities at GS08: Calendar Year Ending Second Quarter CY 2011	Di 10		10
Figure 13. Volume-Weighted 12-Month Rolling Average Plutonium and Americium Activities at GS08: Post-Closure Period Ending Second Quarter CY 2011	Figure 12		17
Activities at GS08: Post-Closure Period Ending Second Quarter CY 2011	Eigura 13	· · · · · · · · · · · · · · · · · · ·	1 /
Figure 14. Volume-Weighted 12-Month Rolling Average Total Uranium Concentrations at GS08: Calendar Year Ending Second Quarter CY 2011	rigule 13		10
GS08: Calendar Year Ending Second Quarter CY 2011	Figure 1/		10
Figure 15. Volume-Weighted 12-Month Rolling Average Total Uranium Concentrations at GS08: Post-Closure Period Ending Second Quarter CY 2011	rigule 12		10
GS08: Post-Closure Period Ending Second Quarter CY 2011	Figure 14		10
Figure 16. Volume-Weighted 12-Month Rolling Average Nitrate + Nitrite as Nitrogen Concentrations at GS08: Calendar Year Ending Second Quarter CY 2011	riguie 1.		10
Concentrations at GS08: Calendar Year Ending Second Quarter CY 2011	Figure 16		19
Figure 17. Volume-Weighted 12-Month Rolling Average Nitrate + Nitrite as Nitrogen Concentrations at GS08: Post-Closure Period Ending Second Quarter CY 2011 20 Figure 18. Volume-Weighted 12-Month Rolling Average Plutonium and Americium Activities at GS11: Calendar Year Ending Second Quarter CY 2011 21 Figure 19. Volume-Weighted 12-Month Rolling Average Plutonium and Americium	riguie it		10
Concentrations at GS08: Post-Closure Period Ending Second Quarter CY 2011 20 Figure 18. Volume-Weighted 12-Month Rolling Average Plutonium and Americium Activities at GS11: Calendar Year Ending Second Quarter CY 2011 21 Figure 19. Volume-Weighted 12-Month Rolling Average Plutonium and Americium	Figure 17		19
Figure 18. Volume-Weighted 12-Month Rolling Average Plutonium and Americium Activities at GS11: Calendar Year Ending Second Quarter CY 2011	rigule 17		20
Activities at GS11: Calendar Year Ending Second Quarter CY 2011	Figure 10		20
Figure 19. Volume-Weighted 12-Month Rolling Average Plutonium and Americium	riguit 10		21
	Figure 10		41
ACTIVITIES AT GOAL POST-CHOSHIFE PERIOD Ending Second Chiarter C.Y. 2011	riguit 15	Activities at GS11: Post-Closure Period Ending Second Quarter CY 2011	2.2

Figure 20.	Volume-Weighted 12-Month Rolling Average Total Uranium Concentrations at	
	GS11: Calendar Year Ending Second Quarter CY 2011	22
Figure 21.	Volume-Weighted 12-Month Rolling Average Total Uranium Concentrations at	
	GS11: Post-Closure Period Ending Second Quarter CY 2011	23
Figure 22.	Volume-Weighted 12-Month Rolling Average Nitrate + Nitrite as Nitrogen	
	Concentrations at GS11: Calendar Year Ending Second Quarter CY 2011	23
Figure 23.	Volume-Weighted 12-Month Rolling Average Nitrate + Nitrite as Nitrogen	
	Concentrations at GS11: Post-Closure Period Ending Second Quarter CY 2011	24
Figure 24.	Volume-Weighted 12-Month Rolling Average Plutonium and Americium	
	Activities at GS31: Calendar Year Ending Second Quarter CY 2011	25
Figure 25.	Volume-Weighted 12-Month Rolling Average Plutonium and Americium	
	Activities at GS31: Post-Closure Period Ending Second Quarter CY 2011	26
Figure 26.	Volume-Weighted 12-Month Rolling Average Total Uranium Activities at	
	GS31: Calendar Year Ending Second Quarter CY 2011	26
Figure 27.	Volume-Weighted 12-Month Rolling Average Total Uranium Activities at	
- C	GS31: Post-Closure Period Ending Second Quarter CY 2011	27
Figure 28.	Volume-Weighted 12-Month Rolling Average Plutonium and Americium	
	Activities at GS10: Calendar Year Ending Second Quarter CY 2011	28
Figure 29.	Volume-Weighted 12-Month Rolling Average Plutonium and Americium	
J	Activities at GS10: Post-Closure Period Ending Second Quarter CY 2011	28
Figure 30.	Volume-Weighted 12-Month Rolling Average Total Uranium Concentrations at	
	GS10: Calendar Year Ending Second Quarter CY 2011	29
Figure 31.	Volume-Weighted 12-Month Rolling Average Total Uranium Concentrations at	
	GS10: Post-Closure Period Ending Second Quarter CY 2011	29
Figure 32.	Volume-Weighted 12-Month Rolling Average Plutonium and Americium	
	Activities at SW027: Calendar Year Ending Second Quarter CY 2011	32
Figure 33.	Volume-Weighted 12-Month Rolling Average Plutonium and Americium	
	Activities at SW027: Post-Closure Period Ending Second Quarter CY 2011	33
Figure 34.	Volume-Weighted 12-Month Rolling Average Total Uranium Concentrations at	
	SW027: Calendar Year Ending Second Quarter CY 2011	33
Figure 35.	Volume-Weighted 12-Month Rolling Average Total Uranium Concentrations at	
	SW027: Post-Closure Period Ending Second Quarter CY 2011	34
Figure 36.	Volume-Weighted 12-Month Rolling Average Plutonium and Americium	
	Activities at SW093: Calendar Year Ending Second Quarter CY 2011	35
Figure 37.	Volume-Weighted 12-Month Rolling Average Plutonium and Americium	
	Activities at SW093: Post-Closure Period Ending Second Quarter CY 2011	36
Figure 38.	Volume-Weighted 12-Month Rolling Average Total Uranium Concentrations at	
	SW093: Calendar Year Ending Second Quarter CY 2011	36
Figure 39.	Volume-Weighted 12-Month Rolling Average Total Uranium Concentrations at	
	SW093: Post-Closure Period Ending Second Quarter CY 2011	37
	Tables	
Table 1. C	Y 2011 Composite Sampling Results for Uranium at GS10	30
	Y 2010–2011 Composite Sampling Results for Plutonium at SW027	
	ocations Sampled During Second Quarter 2011 for High-Resolution	
	Jranium Analysis	40

Appendixes

Landfill Inspection Forms and Survey Data Appendix A

Appendix B Analytical Results for Water Samples—Second Quarter CY 2011

Quarterly Report of Site Surveillance and Maintenance Activities—2nd Quarter CY 2011 Doc. No. S08183 Page iv

Abbreviations

AOC area of concern

CAD/ROD Corrective Action Decision/Record of Decision

CDPHE Colorado Department of Public Health and Environment

COU Central Operable Unit

CY calendar year

DOE U.S. Department of Energy

EPA U.S. Environmental Protection Agency
ETPTS East Trenches Plume Treatment System

IC institutional control

LANL Los Alamos National Laboratory

LM Office of Legacy Management

μg/L micrograms per liter

M&M monitoring and maintenance

MSPTS Mound Site Plume Treatment System

OLF Original Landfill

pCi/L picocuries per liter

PLF Present Landfill

PLFTS Present Landfill Treatment System

POC point-of-compliance POE point-of-evaluation

POU Peripheral Operable Unit

RCRA Resource Conservation and Recovery Act

RFLMA Rocky Flats Legacy Management Agreement

RFSOG Rocky Flats Site Operations Guide

SID South Interceptor Ditch

Site Rocky Flats Site

SPPTS Solar Ponds Plume Treatment System

1.0 Introduction

The U.S. Department of Energy (DOE) Office of Legacy Management (LM) is responsible for implementing the final response action selected in the *Corrective Action Decision/Record of Decision for Rocky Flats Plant (USDOE) Peripheral Operable Unit and Central Operable Unit* (DOE, EPA, and CDPHE 2006) issued on September 29, 2006, for the Rocky Flats Site (the Site) in Colorado. DOE, the U.S. Environmental Protection Agency (EPA), and the Colorado Department of Public Health and Environment (CDPHE) have chosen to implement the monitoring and maintenance requirements of the Corrective Action Decision/Record of Decision (CAD/ROD) as described in the *Rocky Flats Legacy Management Agreement* (RFLMA) (DOE 2007a). Attachment 2 of the RFLMA defines the Central Operable Unit (COU) remedy surveillance and maintenance requirements, the frequency for each required activity, and the monitoring and maintenance locations. The requirements include environmental monitoring; maintenance of the erosion controls, access controls (signs), landfill covers, and groundwater treatment systems; and operation of the groundwater treatment systems. The RFLMA also requires that the institutional controls, in the form of use restrictions as established in the CAD/ROD, be maintained.

This report is required in accordance with Section 7.0 of RFLMA Attachment 2. The purpose of this report is to inform the regulatory agencies and stakeholders of the remedy-related surveillance, monitoring, and maintenance activities being conducted at the Site. LM provides periodic communications through several means, such as this report, Web-based tools, and public meetings.

LM prepared the *Rocky Flats Site Operations Guide* (RFSOG) (DOE 2011a) to serve as the primary internal document to guide work to satisfy the requirements of the RFLMA and to implement best management practices at the Site.

Several other Site-specific documents provide additional detail regarding the requirements described in RFLMA Attachment 2, including all aspects of surveillance, monitoring, and maintenance activities, as well as data evaluation protocols.

Monitoring data and summaries of surveillance and maintenance activities for past quarters are available in the quarterly reports. Extensive discussion and evaluation of surveillance, monitoring, and maintenance activities are presented each calendar year in the annual report of Site surveillance and maintenance activities

This report addresses remedy-related surveillance, monitoring, and operations and maintenance activities conducted at the Site during the second quarter of calendar year (CY) 2011 (April 1 through June 30). This report describes the following:

- Maintenance and inspection of the Original Landfill (OLF) and Present Landfill (PLF)
- Maintenance and inspection of the four groundwater treatment systems
- Erosion control and revegetation activities
- Routine (in accordance with the RFLMA and the RFSOG) water monitoring

1.1 Modification of RFLMA Attachment 2

As discussed in the 2010 Annual Report (DOE 2011b), a proposed modification to RFLMA Attachment 2 was released by the RFLMA Parties for public review and comment on July 20, 2010. The proposed modification establishes new surface water Point of Compliance (POC) monitoring locations in Walnut Creek and Woman Creek that will replace the existing POCs within the COU when DOE completes installation of flumes and monitoring equipment at the new POC locations. The proposed modification is discussed in Contact Record 2010-04 in Appendix G of the 2010 Annual Report, and it is also posted on the Rocky Flats website.

The RFLMA Attachment 2 modification, dated March 2011, was approved by CDPHE and EPA on May 2, 2011, and posted on the Rocky Flats website. The Document History page in RFLMA Attachment 2 summarizes the changes made in this modification. The modification establishes new surface water POC monitoring locations in Walnut Creek and Woman Creek that will replace the existing POCs within the COU when installation of flumes and monitoring equipment at the new POC locations is completed.

The modification retains the Walnut Creek and Woman Creek POCs at Indiana St. (GS01 and GS03) in the Peripheral Operable Unit (POU) for a period of 2 years after the new flumes in the COU are operational. The modification also removes two designated Boundary wells in the POU as RFLMA monitoring locations.

1.2 Proposed Plan for Amendment of the Corrective Action Decision/ Record of Decision (CAD/ROD)

On June 3, 2011, the RFLMA Parties released a *Proposed Plan for Amendment of the Corrective Action Decision/Record of Decision* (DOE, EPA, and CDPHE 2011) (Proposed Plan) for public review and comment. The Proposed Plan would amend the September 29, 2006, CAD/ROD (DOE, EPA, and CDPHE 2006). The public comment period ended on August 2, 2011. The RFLMA Parties hosted a public meeting to discuss the proposed amendments and receive verbal comments on June 16, 2011.

The RFLMA Parties also released for public review and comment in Attachment 1 of the Proposed Plan a modification to RFLMA Attachment 2, *Legacy Management Requirements*, to implement the proposed CAD/ROD amendment.

The Proposed Plan, which includes the proposed modification to RFLMA Attachment 2, was posted on the Community Involvement page of the Rocky Flats Site website.

The response actions selected for the COU in the 2006 CAD/ROD are institutional controls (ICs), physical controls, and continued monitoring (DOE, EPA, and CDPHE 2006). The RFLMA Parties are proposing to clarify the ICs in a CAD/ROD amendment because of public comments questioning the implementation of ICs related to soil disturbance and excavation activities. The IC clarifications provide a regulatory review and approval process for soil disturbance and excavation activities to ensure the objective and rationale for the ICs as stated in the 2006 CAD/ROD are met. The IC clarifications do not change the remedy, and the objective and rationale for each IC is not proposed to change.

The regulatory review and approval process described in the Proposed Plan is essentially the same as that already implemented by the RFLMA Parties for soil disturbance and excavation activities covered by ICs to date. The Proposed Plan provides examples of this work and the documentation of regulatory approval in Contact Records based on RFLMA Party consultation.

As stipulated in the CAD/ROD, DOE also granted an environmental covenant containing the ICs to Colorado, pursuant to Colorado law. The environmental covenant would also be modified to be consistent with the CAD/ROD amendment, once approved.

2.0 Site Operations and Maintenance

2.1 Landfills

2.1.1 Present Landfill

The PLF is inspected quarterly in accordance with the requirements of the PLF Monitoring and Maintenance (M&M) Plan (DOE 2008a) and the RFLMA (DOE 2007a). Vegetation monitoring has been conducted on the PLF according to the requirements in RFLMA Attachment 2, Table 3. The exit strategy for vegetation monitoring, as outlined in Table 3, states that when the PLF M&M Plan grassland success criteria have been met, vegetation monitoring will be no longer required. Based on the vegetation monitoring conducted in 2009 and reported in the 2009 Annual Report (DOE 2010b), these success criteria have been met. Therefore, the specific PLF vegetation monitoring as outlined in the RFLMA will no longer be conducted; rather, the PLF vegetation will now be monitored as part of the ongoing general Site vegetation monitoring.

2.1.1.1 Inspection Results

The routine PLF inspection for the second quarter of CY 2011 was performed on May 31, 2011. No significant problems were observed during these inspections. Copies of the landfill inspection forms are presented in Appendix A.

2.1.1.2 Settlement Monuments

The annual settlement monument surveys were performed on December 22, 2010. The next survey of the PLF settlement monuments will be completed at the end of this calendar year. Additional information on the settlement monuments is included in the *Rocky Flats Site Quarterly Report of Site Surveillance and Maintenance Activities, First Quarter Calendar Year 2008* (DOE 2008b).

2.1.2 Original Landfill

The OLF is inspected monthly, in accordance with the requirements in the OLF M&M Plan (DOE 2009a) and the RFLMA. It was anticipated that after the first year, the inspection frequency might be reduced to quarterly for an additional 4 years. However, because of observed localized slumping and seep areas, and investigation and repairs to the OLF cover that were being planned at the time, no change to the monthly inspection frequency was recommended in the second five-year review of the Site (DOE 2007b).

2.1.2.1 Inspection Results

Routine OLF inspections during the second quarter of CY 2011 were performed on April 29, May 31, and June 30, 2011. The landfill cover vegetation was evaluated on May 23, 2011. The completed inspection forms are presented in Appendix A.

2.1.2.2 Settlement Monuments

The OLF settlement monuments were surveyed on June 25, 2011. Survey data indicate that settling at each monument does not exceed the limits published in the OLF M&M Plan (DOE 2009a). The survey results are presented in Appendix A.

2.1.2.3 Inclinometers

As discussed in the quarterly report for the second quarter of CY 2009 (DOE 2009b), seven inclinometers were installed in boreholes at the OLF in 2008 as part of the geotechnical investigation (Figure 1).

Movement of the inclinometers has been monitored approximately monthly since installation. Inclinometers deflect by lateral movement of the ground in which they are located and can deflect enough to cause the inclinometer tubes to break. Once an inclinometer tube breaks, the inclinometer will no longer be monitored. Inclinometer monitoring data provide information on localized soil movement and serve to focus the periodic inspections of the soil cover surface on signs of potential instability, such as cracking, vertical displacement, and slumping. A deflection of more than 1 inch is used as a trigger for evaluation of the data by a qualified geotechnical engineer. The engineer determines the significance of the deflection in relation to recommendations for maintenance or repairs to address potential instability in accordance with the OLF M&M Plan (DOE 2009a).

Inclinometer measurements were taken on April 5, April 26, May 26, and June 30, 2011. The readings showed that there was very little deflection for any inclinometer over this quarter. Two notable precipitation events occurred during this period. The site received approximately 1.4 inches of precipitation on May 11, 2011, and approximately 1.1 inches of precipitation on May 18, 2011. These events did not appear to result in any significant inclinometer deflection. Previously, large precipitation events have generally resulted in more noticeable inclinometer deflection for the inclinometers on the western side of the OLF, where localized slumping and settling occurred and lead to the geotechnical investigation. The previous quarter was fairly dry, so the May 2011 precipitation might not have lubricated the organic layer that is believed to contribute to localized instability.

2.1.2.4 Slumps

As discussed in the quarterly report for the first quarter of CY 2010 (DOE 2010c), areas where the landfill cover is pushed up or rolling are noticeable on the western end of the OLF between Berms 2 and 3; however, no new slumps were observed during the second quarter of 2011.

Berm 1

No new cracking was observed in the Berm 1 area during the second quarter of CY 2011. Staff continued to perform routine and nonroutine inspections of the Berm 1 area to monitor this location for any changes.

2.1.2.5 Topographic Survey

A topographic survey was completed in March 2009; the survey serves as a baseline for continued observation of berms and helps to identify areas for additional maintenance. Subsequent topographic surveys are used to identify areas that require additional soil to maintain minimum heights and to identify areas of ponding or slopes indicating channel areas that may be conducive to ponding.

In accordance with Section 3.1 of the OLF M&M Plan, "Inspection Procedures," a topographic survey will be conducted approximately every 2 years as an aid in periodically evaluating the subsidence and consolidation, slope stability, and storm water management structure conditions at the OLF

The survey results were mapped by engineering staff during this quarter and plans were developed (1) for adding minor amounts of soil to specific areas on the diversion berms to maintain minimum berm height and (2) for minor adjustments to the slope in some locations in berm channels. The results of the survey were forwarded to a qualified geotechnical engineer for review. Berm maintenance will be completed in the third quarter and the results of the maintenance and the geotechnical engineer review will be included in the third quarterly report.

2.1.2.6 Seeps

Seeps at the OLF were evaluated during the monthly inspections as well as during unscheduled visits. Individual seep location flow rates can be found in the monthly inspection reports. After the precipitation in May 2011, Seep 7, which did not have a surface expression during the first quarter, began to show minor surface expression. As reported in the 2010 Annual Report (DOE 2011b) evaluation by a qualified geotechnical engineer concluded that the Seep 7 runoff drained by the diversion berm channels does not cause instability of the berms.

2.2 Groundwater Treatment Systems

Four groundwater treatment systems are operated and maintained in accordance with requirements defined in the RFLMA and the RFSOG. Three of these systems (the Mound Site Plume Treatment System [MSPTS], East Trenches Plume Treatment System [ETPTS], and Solar Ponds Plume Treatment System [SPPTS]) include a groundwater intercept trench (collection trench), which is similar to a French drain with an impermeable membrane on the downgradient side. Groundwater entering the trench is routed through a drain pipe into one or more treatment cells, where it is treated and then discharged. The fourth system, the PLF Treatment System (PLFTS), treats water from the northern and southern components of the Groundwater Intercept System and flow from the PLF seep.

2.2.1 Mound Site Plume Treatment System

Routine maintenance activities continued at the MSPTS through the second quarter of CY 2011. In February and March, prior to the second quarter, an effluent polishing component was installed as a part of this project. The polishing component is an innovative, solar-powered air stripper that is contained within the pre-existing effluent metering manhole. During the second quarter, the unit was tested for effectiveness and optimized; this testing and optimization continues. Some of the aspects tested and optimized include the number and configuration of spray nozzles, the pump rate, ventilation of the air stripper housing (the manhole), and the system flow rate. Because of the numerous variables and ongoing optimization of the unit, the component that was installed is designed for only half-time operation (during the daytime). Testing is being performed to identify adjustments needed to achieve optimal effectiveness. The results of optimization efforts will dictate additional infrastructure needs (ranging from nozzles and pumps to additional solar power infrastructure). Once optimized, the unit will be equipped for uninterrupted operation. The 2011 annual report will provide a more comprehensive discussion of the unit and its associated optimization.

The parallel upflow configuration established in June 2010 was maintained and will remain the primary flow configuration at the MSPTS until further notice.

Refer to Section 3.1.10.1 for information on water quality sampling.

2.2.2 East Trenches Plume Treatment System

Routine maintenance activities continued at the ETPTS through the second quarter of CY 2011. These activities included checking influent and effluent flow conditions and water levels in the cells.

Refer to Section 3.1.10.2 for information on water quality sampling.

2.2.3 Solar Ponds Plume Treatment System

Routine maintenance activities continued at the SPPTS through the second quarter of CY 2011. These activities included weekly inspections of the solar/battery systems that power the pumps, the operation of the pumps, and influent and effluent flow conditions.

The Phase II and III upgrades that were completed in the second quarter of CY 2009 continued to be a focal point for optimization efforts. Most of these efforts were directed to operation of Phase III Cell A (the cell filled with inert media, which is dosed with liquid carbon to support denitrifying bacteria), and included adjustments to recirculation, flow rates, and dosing. In addition, due to accumulation of biomass in the cell, routine maintenance included using a rod or similar tool to puncture and break apart the biomass.

In late June, Cell A was taken offline and emptied for more aggressive biofilm management. A small volume of water from the cell was set aside to act as an inoculum, then the media was removed and pressure-washed. The inside of the cell was sprayed out. The cleaned media was then returned to the cell and the inoculum was added. The cell was refilled with dosed influent,

but remained offline for several days while the water within was recirculated to allow the denitrifying bacteria to colonize the cleaned media. The cell was then put back online.

Section 3.1.10.3 summarizes the non-RFLMA sampling conducted at the SPPTS in the second quarter of CY 2011.

2.2.4 Present Landfill Treatment System

Routine maintenance activities continued at the PLFTS through the second quarter of CY 2011. These activities generally consisted of inspecting the system for potential problems.

Refer to Section 3.1.10.4 for information on water quality sampling.

2.3 Erosion Control and Revegetation

Maintenance of the site erosion control features required continued effort throughout the second quarter of CY 2011, especially following high-wind or precipitation events. Erosion wattles and matting loosened and displaced by high winds or rain were repaired. Erosion controls were installed and maintained for the various projects that were ongoing during the second quarter of CY 2011. Several areas were interseeded with additional native species to increase vegetation cover.

3.0 Environmental Monitoring

This section summarizes the environmental monitoring conducted in accordance with the RFLMA.

3.1 Water Monitoring

This section includes:

- A discussion of analytical results for the POC, point-of-evaluation (POE), PLF, and OLF monitoring objectives.
- A summary of Area of Concern (AOC) well, Boundary well, Evaluation well, and Sentinel well monitoring; treatment system monitoring; and Resource Conservation and Recovery Act (RCRA) groundwater monitoring and Surface Water Support monitoring at the Site.

Monitoring locations, sampling criteria, and evaluation protocols for all water monitoring objectives in the following sections are detailed in RFLMA Attachment 2 and the RFSOG. Appendix B provides analytical water quality data for the second quarter of CY 2011. More detailed interpretation and discussion will be provided in the annual report for CY 2011.

3.1.1 Water Monitoring Highlights

During the second quarter of CY 2011, the water monitoring successfully met the targeted monitoring objectives as required by the RFLMA and was in conformance with RFSOG implementation guidance. The RFLMA network consists of 11 automated gaging stations,

10 surface water grab-sampling locations, 8 treatment system locations, 99 wells, and 8 precipitation gages. During the quarter, 35 flow-paced composite samples, 6 surface water grab samples, 15 treatment system samples, and 55 groundwater samples were collected (in accordance with RFLMA protocols) and submitted for analysis. An additional three flow-paced composites were in progress during the quarter, and analytical data were not available for this report.

All water quality data at the RFLMA POCs remained well below the applicable standards through the second quarter of CY 2011.

Elevated levels of plutonium-239,240 were measured at POE SW027 during the second quarter of 2010. These data are presented and discussed further in Section 3.1.3.2. Since SW027 has seen very little flow since April 2010, no additional composite samples have been collected. Thus, no new analytical data are available to include in the 12-month rolling average, and the 12-month rolling average for plutonium remains at reportable levels. All other analyte concentrations at SW027 remained below reporting levels as of the end of the second quarter of CY 2011.

All POE analyte concentrations at GS10 and SW093 remained below reporting levels as of the end of the second quarter of CY 2011. Erosion and runoff controls, as well as extensive revegetation efforts, have been effective in measurably reducing both sediment transport and constituent concentrations. As of the end of the second quarter of CY 2011, these monitoring locations continued to show plutonium-239, 240 and americium-241 activities well below the RFLMA standards. With the removal of impervious areas (resulting in decreased runoff), the stabilization of soils within the drainages, and the progression of revegetation, water quality is expected to continue to be acceptable.

Groundwater monitoring results will be evaluated as part of the annual report for CY 2011.

3.1.2 POC Monitoring

The following sections include summary tables and plots showing the applicable 30-day and 12-month rolling averages for the POC analytes.

3.1.2.1 Monitoring Location GS01

Monitoring location GS01 is on Woman Creek at Indiana Street. Figure 2 and Figure 4 show no occurrences of reportable 30-day averages for the quarter. Figure 3 and Figure 5 show sampling data from 2005 through the second quarter of CY 2011.

-

¹ Composite samples consist of multiple aliquots ("grabs") of identical volume. Each grab is delivered by the automatic sampler to the composite container at each predetermined flow volume or time interval. During the second quarter of CY 2011, the 35 flow-paced composites comprised 1,272 individual grabs.

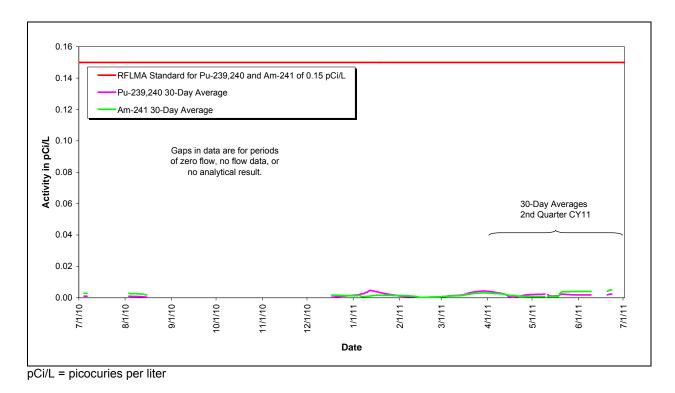


Figure 2. Volume-Weighted 30-Day Average Plutonium and Americium Activities at GS01: Calendar Year Ending Second Quarter CY 2011

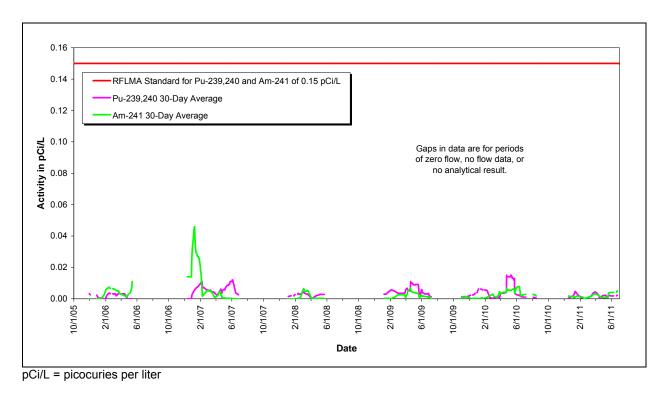


Figure 3. Volume-Weighted 30-Day Average Plutonium and Americium Activities at GS01: Post-Closure Period Ending Second Quarter CY 2011

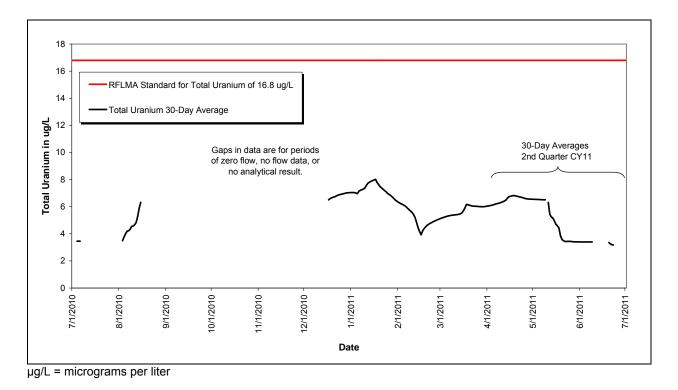


Figure 4. Volume-Weighted 30-Day Average Total Uranium Concentrations at GS01: Calendar Year Ending Second Quarter CY 2011

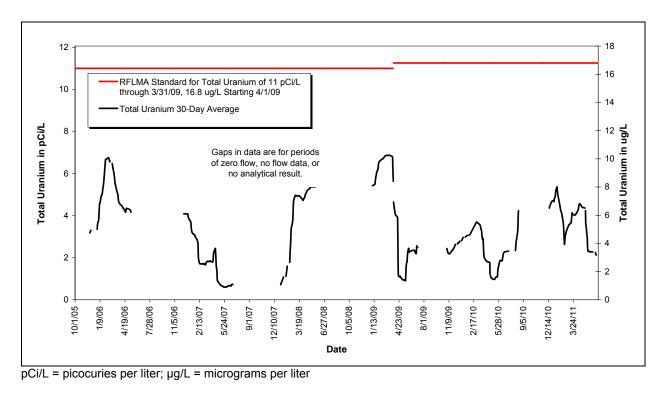


Figure 5. Volume-Weighted 30-Day Average Total Uranium Concentrations at GS01: Post-Closure Period Ending Second Quarter CY 2011

3.1.2.2 Monitoring Location GS03

Monitoring location GS03 is on Walnut Creek at Indiana Street. Figure 6, Figure 8, and Figure 10 show no occurrences of reportable water quality for the quarter. Figure 7, Figure 9, and Figure 11 show sampling data from 2005 through the second quarter of CY 2011.

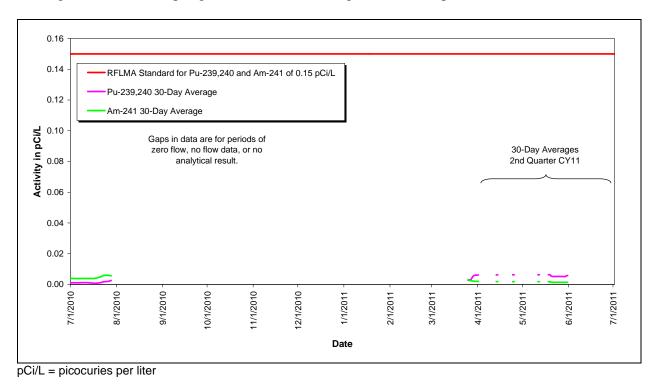


Figure 6. Volume-Weighted 30-Day Average Plutonium and Americium Activities at GS03: Calendar Year Ending Second Quarter CY 2011

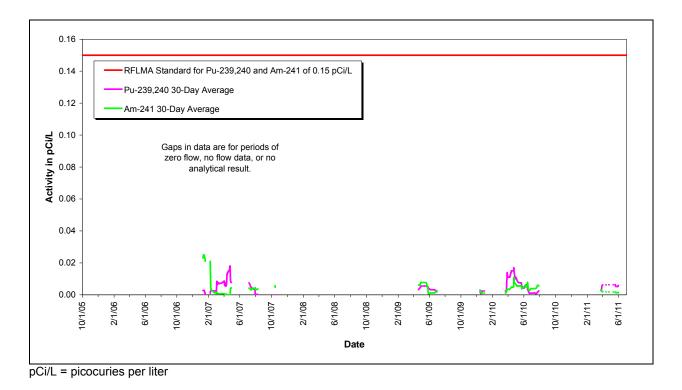


Figure 7. Volume-Weighted 30-Day Average Plutonium and Americium Activities at GS03: Post-Closure Period Ending Second Quarter CY 2011

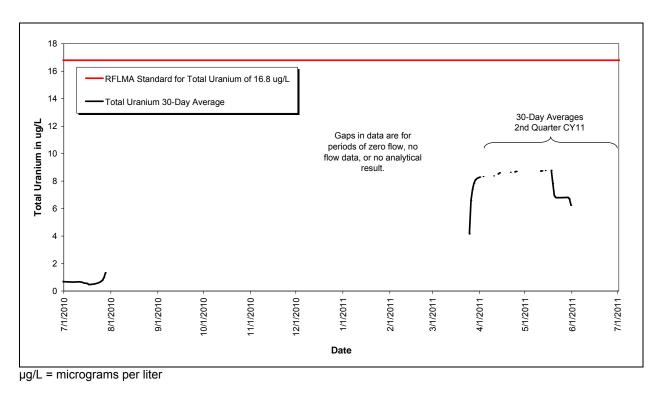


Figure 8. Volume-Weighted 30-Day Average Total Uranium Concentrations at GS03: Calendar Year Ending Second Quarter CY 2011

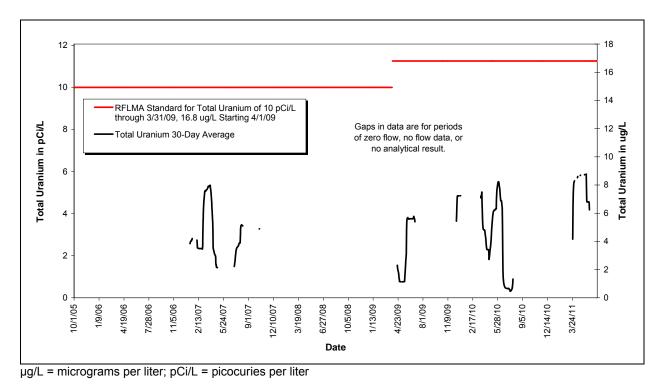


Figure 9. Volume-Weighted 30-Day Average Total Uranium Concentrations at GS03:

Post-Closure Period Ending Second Quarter CY 2011

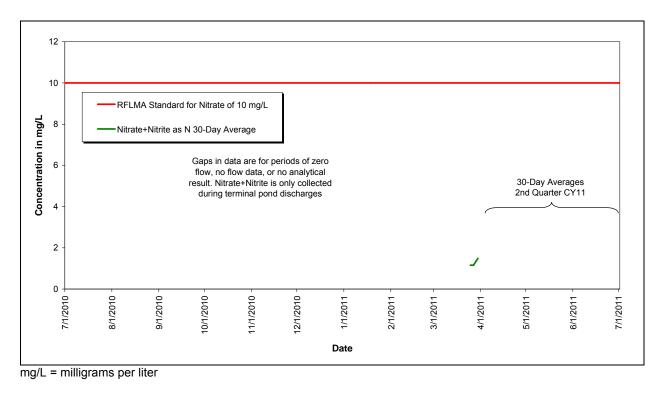


Figure 10. Volume-Weighted 85th Percentile of 30-Day Average Nitrate + Nitrite Concentrations at GS03: Calendar Year Ending Second Quarter CY 2011

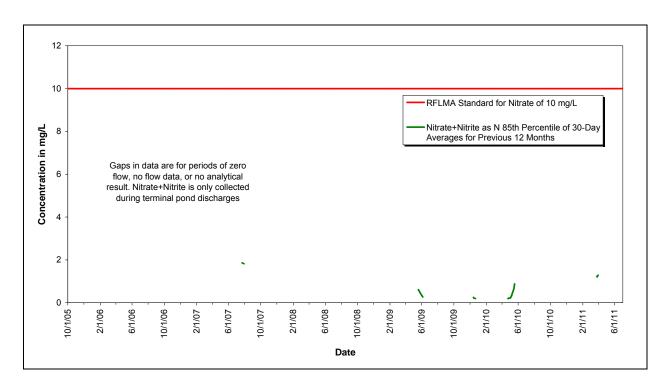
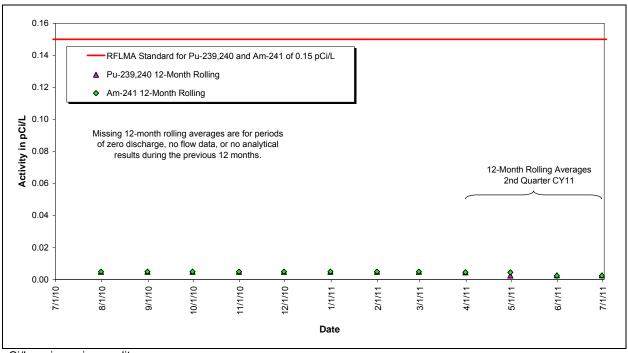


Figure 11. Volume-Weighted 85th Percentile of 30-Day Average Nitrate + Nitrite Concentrations at GS03:

Post-Closure Period Ending Second Quarter CY 2011

3.1.2.3 Monitoring Location GS08

Monitoring location GS08 is on South Walnut Creek at the outlet of Pond B-5. Figure 12, Figure 14, and Figure 16 show no occurrences of reportable 12-month rolling averages for the quarter. Figure 13, Figure 15, and Figure 17 show sampling data from 2005 through the second quarter of CY 2011.



pCi/L = picocuries per liter

Figure 12. Volume-Weighted 12-Month Rolling Average Plutonium and Americium Activities at GS08: Calendar Year Ending Second Quarter CY 2011

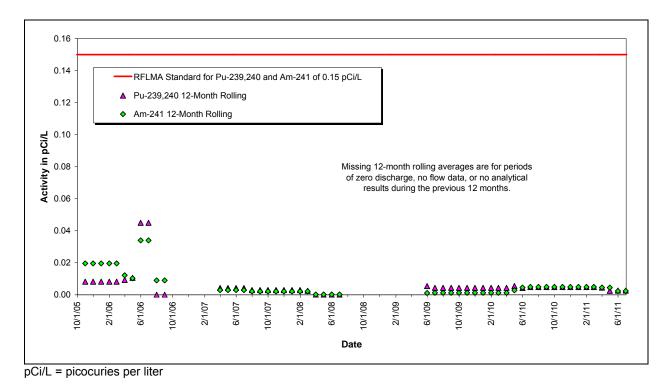


Figure 13. Volume-Weighted 12-Month Rolling Average Plutonium and Americium Activities at GS08:

Post-Closure Period Ending Second Quarter CY 2011

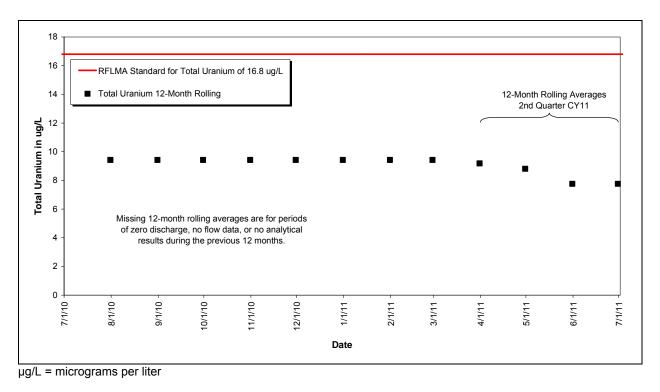
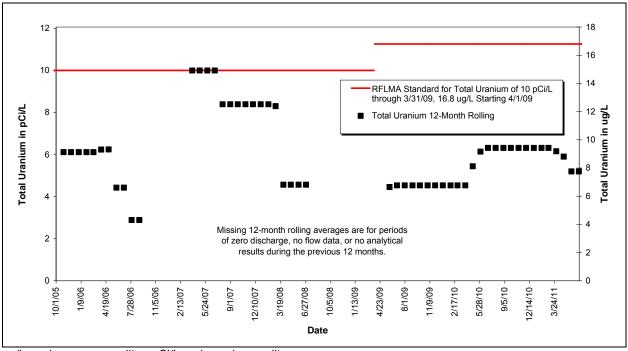
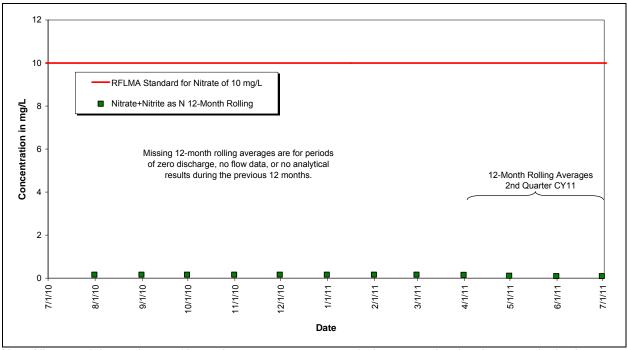


Figure 14. Volume-Weighted 12-Month Rolling Average Total Uranium Concentrations at GS08: Calendar Year Ending Second Quarter CY 2011



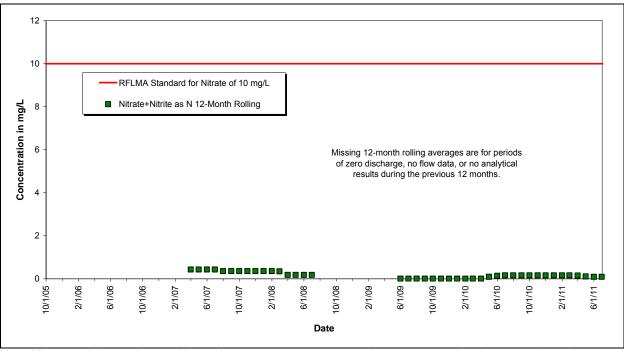
μg/L = micrograms per liter; pCi/L = picocuries per liter

Figure 15. Volume-Weighted 12-Month Rolling Average Total Uranium Concentrations at GS08:
Post-Closure Period Ending Second Quarter CY 2011



Note: Nitrate + nitrite as nitrogen 12-month averages are conservatively compared to the nitrate standard only. mg/L = milligrams per liter

Figure 16. Volume-Weighted 12-Month Rolling Average Nitrate + Nitrite as Nitrogen Concentrations at GS08: Calendar Year Ending Second Quarter CY 2011

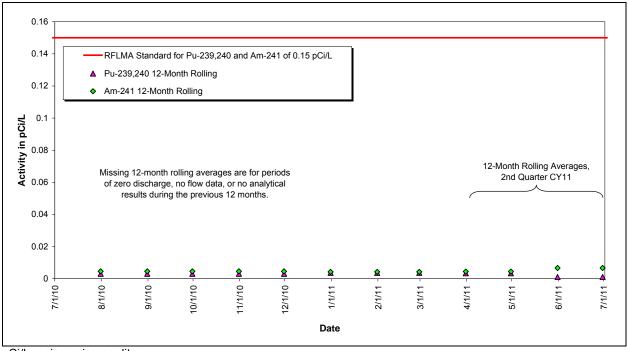


Note: Nitrate + nitrite as nitrogen 12-month averages are conservatively compared to the nitrate standard only. mg/L = milligrams per liter

Figure 17. Volume-Weighted 12-Month Rolling Average Nitrate + Nitrite as Nitrogen Concentrations at GS08: Post-Closure Period Ending Second Quarter CY 2011

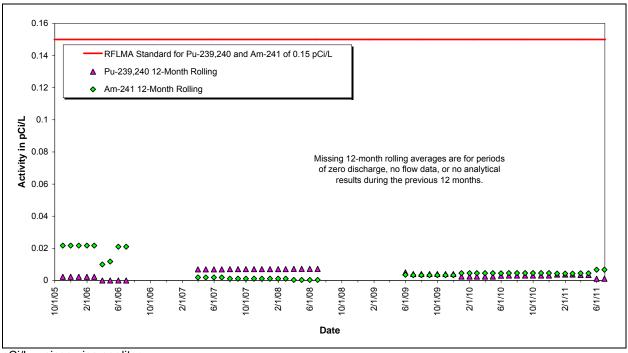
3.1.2.4 Monitoring Location GS11

Monitoring location GS11 is on North Walnut Creek at the outlet of Pond A-4. Figure 18, Figure 20, and Figure 22 show no occurrences of reportable 12-month rolling averages for the quarter. Figure 19, Figure 21, and Figure 23 show sampling data from 2005 through the second quarter of CY 2011.



pCi/L = picocuries per liter

Figure 18. Volume-Weighted 12-Month Rolling Average Plutonium and Americium Activities at GS11: Calendar Year Ending Second Quarter CY 2011



pCi/L = picocuries per liter

Figure 19. Volume-Weighted 12-Month Rolling Average Plutonium and Americium Activities at GS11:

Post-Closure Period Ending Second Quarter CY 2011

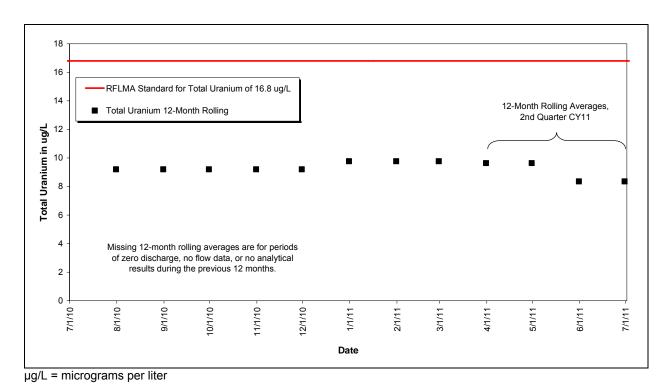
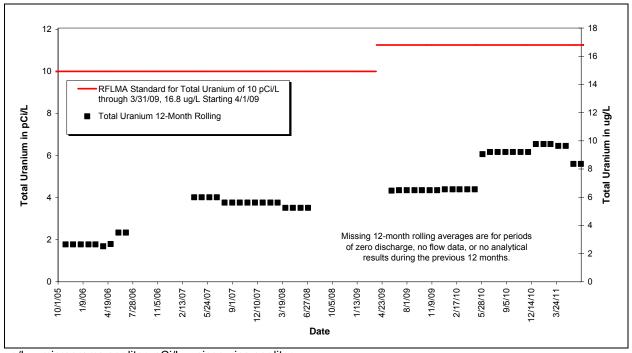
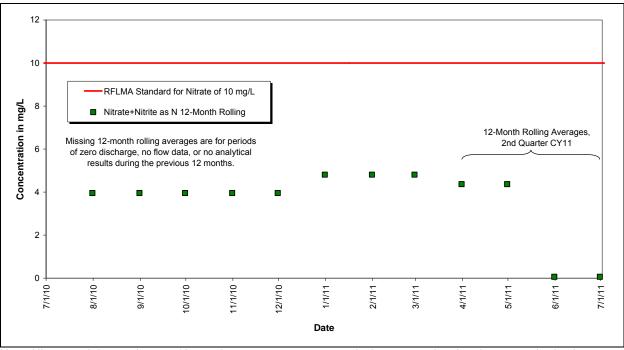


Figure 20. Volume-Weighted 12-Month Rolling Average Total Uranium Concentrations at GS11: Calendar Year Ending Second Quarter CY 2011



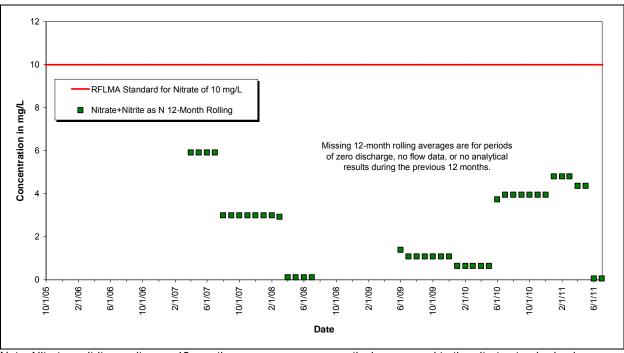
μg/L = micrograms per liter; pCi/L = picocuries per liter

Figure 21. Volume-Weighted 12-Month Rolling Average Total Uranium Concentrations at GS11:
Post-Closure Period Ending Second Quarter CY 2011



Note: Nitrate + nitrite as nitrogen 12-month averages are conservatively compared to the nitrate standard only. mg/L = milligrams per liter

Figure 22. Volume-Weighted 12-Month Rolling Average Nitrate + Nitrite as Nitrogen Concentrations at GS11: Calendar Year Ending Second Quarter CY 2011



Note: Nitrate + nitrite as nitrogen 12-month averages are conservatively compared to the nitrate standard only. mg/L = milligrams per liter

Figure 23. Volume-Weighted 12-Month Rolling Average Nitrate + Nitrite as Nitrogen Concentrations at GS11: Post-Closure Period Ending Second Quarter CY 2011

3.1.2.5 Monitoring Location GS31

Monitoring location GS31 is on Woman Creek at the outlet of Pond C-2. Figure 24 and Figure 26 show no occurrences of reportable 12-month rolling averages for the quarter. Figure 25 and Figure 27 show sampling data from 2005 through the second quarter of CY 2011.

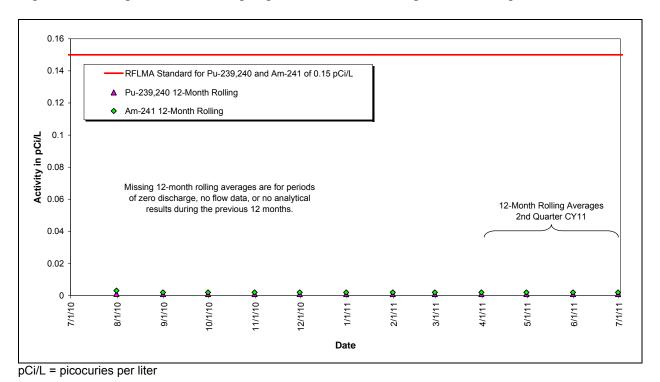


Figure 24. Volume-Weighted 12-Month Rolling Average Plutonium and Americium Activities at GS31: Calendar Year Ending Second Quarter CY 2011

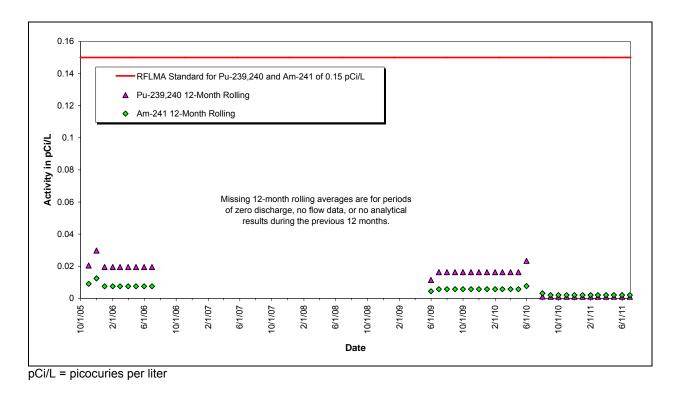


Figure 25. Volume-Weighted 12-Month Rolling Average Plutonium and Americium Activities at GS31:
Post-Closure Period Ending Second Quarter CY 2011

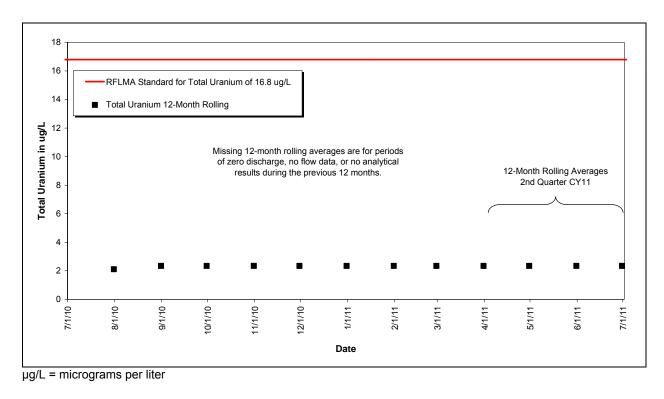
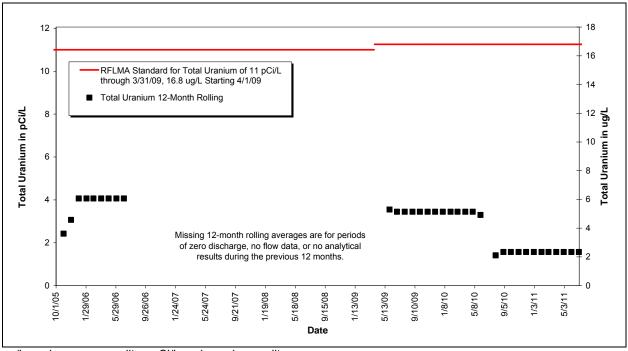


Figure 26. Volume-Weighted 12-Month Rolling Average Total Uranium Activities at GS31: Calendar Year Ending Second Quarter CY 2011



μg/L = micrograms per liter; pCi/L = picocuries per liter

Figure 27. Volume-Weighted 12-Month Rolling Average Total Uranium Activities at GS31: Post-Closure Period Ending Second Quarter CY 2011

3.1.3 POE Monitoring

The following sections include summary plots showing the applicable 12-month rolling averages for the POE analytes.

3.1.3.1 Monitoring Location GS10

Monitoring location GS10 is on South Walnut Creek just upstream of the B-Series ponds. Figure 28 and Figure 30 show the 12-month rolling averages for plutonium, americium, and total uranium values during the quarter. Figure 29 and Figure 31 show sampling data from 2005 through the second quarter of CY 2011.

Figure 30 shows that the 12-month rolling average for uranium exceeds the RFLMA standard of 16.8 micrograms per liter (μ g/L). The composite sampling results for uranium at GS10 collected during CY 2011 are given in Table 1. All other analytes were not reportable during the second quarter of CY 2011.

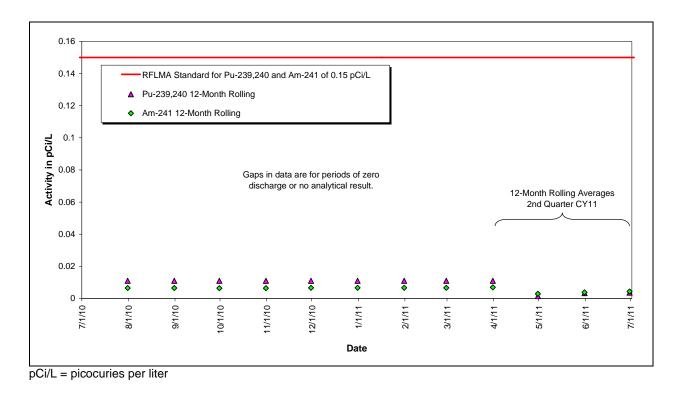


Figure 28. Volume-Weighted 12-Month Rolling Average Plutonium and Americium Activities at GS10: Calendar Year Ending Second Quarter CY 2011

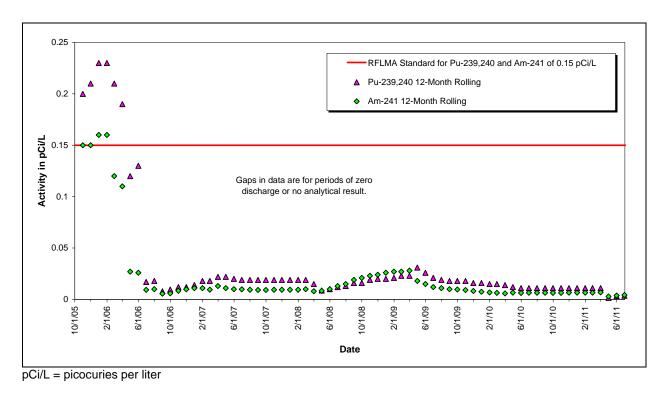


Figure 29. Volume-Weighted 12-Month Rolling Average Plutonium and Americium Activities at GS10:
Post-Closure Period Ending Second Quarter CY 2011

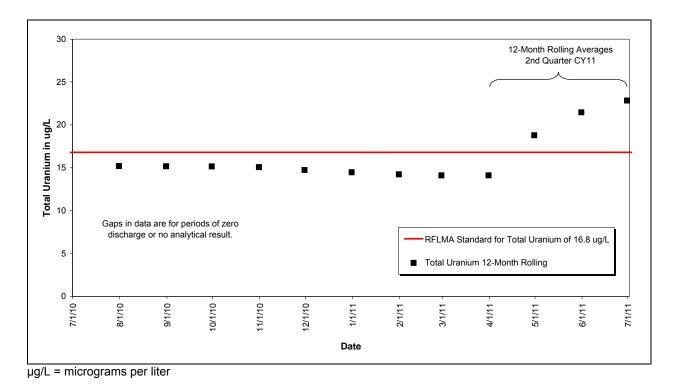


Figure 30. Volume-Weighted 12-Month Rolling Average Total Uranium Concentrations at GS10: Calendar Year Ending Second Quarter CY 2011

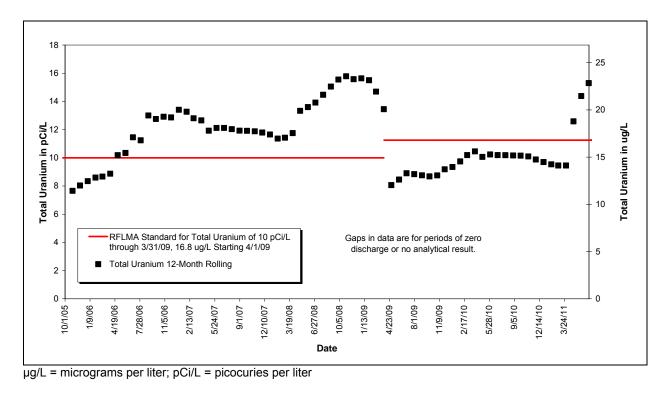


Figure 31. Volume-Weighted 12-Month Rolling Average Total Uranium Concentrations at GS10:
Post-Closure Period Ending Second Quarter CY 2011

Table 1. CY 2011 Composite Sampling Results for Uranium at GS10

Date—Time Start	Date—Time End	Uranium Result (µg/L)
1/3/2011 10:25	2/16/2011 9:47	21.8
2/16/2011 9:47	4/11/2011 10:50	89.2
4/11/2011 10:50	5/4/2011 11:39	71.0
5/4/2011 11:39	5/13/2011 12:25	46.5
5/13/2011 12:25	5/20/2011 12:03	18.6
5/20/2011 12:03	6/3/2011 10:56	35.8
6/3/2011 10:56	6/13/2011 10:22	20.1
6/13/2011 10:22	7/1/2011 9:00	10.6
7/1/2011 9:00	7/8/2011 11:08	7.75
7/8/2011 11:08	7/10/2011 11:05	4.36
7/10/2011 11:05	7/11/2011 10:59	6.06
7/11/2011 10:59	7/21/2011 8:56	NA
7/21/2011 8:56	8/24/2011 9:40	NA
8/24/2011 9:40	in progress	NA

NA = data not available

The GS10 evaluation was performed in accordance with RFLMA Attachment 2, Figure 6, "Points of Evaluation," which resulted in a calculated 12-month rolling average concentration for uranium on April 30, 2011, of 18.8 μg/L. This amount exceeds the RFLMA applicable Table 1 standard of 16.8 μg/L. Validated results were received on June 14, 2011, and notification to the regulatory agencies and the public, in accordance with RFLMA Attachment 2, Figure 6, was made by e-mail on June 16, 2011. RFLMA Contact Record 2011-04, "Reportable Condition for Uranium at Point of Evaluation GS10," provides a discussion of the monitoring results and recaps the outcome of the RFLMA Parties consultation regarding the evaluation steps to be taken. Contact Record 2011-04 is available on the Rocky Flats website, http://www.lm.doe.gov/Rocky Flats/ContactRecords.aspx.

The RFLMA Parties agreed that no mitigating actions are necessary while the condition is being evaluated, for the following reasons:

- Downstream monitoring indicates that the remedy remains protective. The current 12-month rolling-average uranium concentration at the Pond B-5 outlet, POC GS08, is 7.8 μg/L and includes the sample results through the last Pond B-5 discharge from March 24 to 30, 2011. Uranium results from the non-RFLMA monitoring project location B5INFLOW, which is upstream of GS08, have been reviewed, and concentrations are also below the RFLMA standard. B5INFLOW is also a flow-paced sampling station.
- The groundwater in the GS10 area has high concentrations of naturally occurring uranium as well as lower concentrations of anthropogenic uranium. Measured concentrations of uranium at GS10 include both naturally occurring as well as anthropogenic uranium. Historically, naturally occurring uranium has made up a much greater proportion of the concentration at GS10—generally about 70 percent.
- In recent years, the elevated uranium concentrations at GS10 are a result of proportionally increased groundwater contribution to surface water baseflow due to reduced surface runoff resulting from the removal of impervious surfaces (e.g., pavement, buildings) during site closure. In addition to the general increase in groundwater contribution to the stream, the

- below-normal precipitation from the late fall of 2010 until mid-May 2011 resulted in a further proportional increase in groundwater contribution.
- The uranium concentrations are expected to vary due to the natural variability in environmental conditions such as the amounts of precipitation over time. Elevated uranium concentrations at GS10 above the then-effective 10 pCi/L RFLMA standard previously occurred for the period from April 30, 2006, to March 31, 2009, with the 12-month rolling averages in the range of 10.2 to 15.8 pCi/L. The RFLMA uranium standard was subsequently revised from an activity-based radionuclide parameter of 10 pCi/L to a concentration based metal parameter of 16.8 µg/L, which equates to approximately 11.3 pCi/L. Thus, the ranges in activity summarized above for 2006 to 2009 equate to approximately 15.2 to 23.5 µg/L. Levels returned to below the RFLMA standard after March 31, 2009, when precipitation increased.

However, the RFLMA Parties agreed that further evaluation should be done to help confirm the foregoing conclusions and aid in developing mitigating actions in the future if they become necessary.

As agreed by the RFLMA Parties, the following preliminary steps are being or have been taken and will inform the evaluation:

- The following samples have been sent to Los Alamos National Laboratory (LANL) for isotopic analysis to determine the percentages of natural and anthropogenic uranium to compare with percentages in pre-closure and post-closure samples previously analyzed by LANL:
 - Flow-paced surface water sample from GS10 for the period June 13 to July 1, 2011. (Historically, this location has had approximately 70 percent natural uranium.)
 - Groundwater sample from upgradient well 99405. (Historically, this location has reported uranium concentrations that typically exceed 100 μg/L and have been 99.9 to 100 percent natural uranium.)
- Non-RFLMA sampling and analysis of uranium downstream of GS10 at B5INFLOW will continue. Contact Record 2010-03 describes the non-RFLMA sampling project.

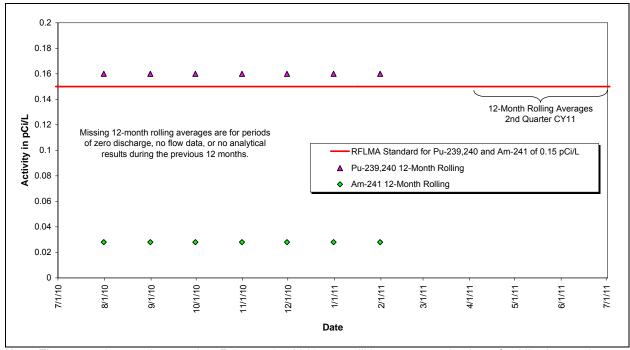
In addition to this sampling, two temporary surface water sample locations upstream of GS10 have been established for biweekly uranium grab sampling (FC4991 and FC4750). The RFLMA Parties will determine the duration of the grab sampling for these upstream locations, based on an evaluation of the results. Biweekly sampling at these locations was initiated on June 30, 2011.

LANL results will be included in the 3rd Quarter CY 2011 report as an appendix. Routine non-RFLMA sampling results will be included in the quarterly Adaptive Management Plan data reports.

3.1.3.2 Monitoring Location SW027

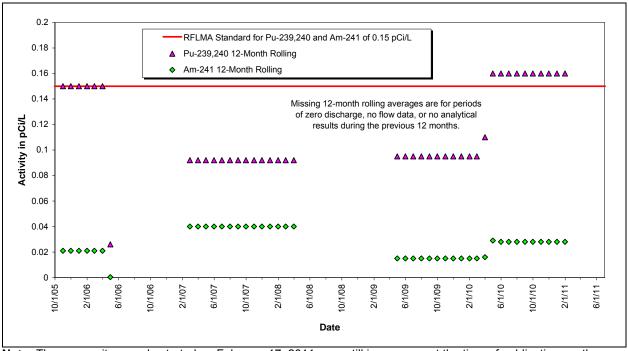
Monitoring location SW027 is at the end of the South Interceptor Ditch (SID) at the inlet to Pond C-2. Figure 32 and Figure 34 show the 12-month rolling averages for plutonium, americium, and total uranium during the quarter. Figure 33 and Figure 35 show sampling data from 2005 through the second quarter of CY 2011.

Figure 32 shows that the 12-month rolling average for plutonium exceeds the RFLMA standard of 0.15 picocuries per liter (pCi/L). The composite sampling results for plutonium at SW027 collected during 2010 and 2011 are given in Table 2. All other analytes were not reportable during the second quarter of CY 2011.



Note: The composite sample started on February 17, 2011, was still in progress at the time of publication, so those results for this composite sample were not available for this report. pCi/L = picocuries per liter

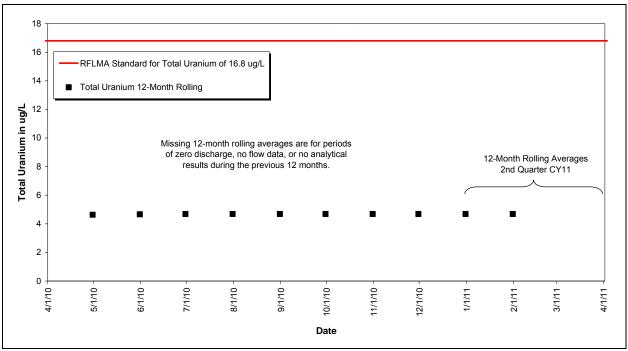
Figure 32. Volume-Weighted 12-Month Rolling Average Plutonium and Americium Activities at SW027: Calendar Year Ending Second Quarter CY 2011



Note: The composite sample started on February 17, 2011, was still in progress at the time of publication, so those results for this composite sample were not available for this report. pCi/L = picocuries per liter

Figure 33. Volume-Weighted 12-Month Rolling Average Plutonium and Americium Activities at SW027:

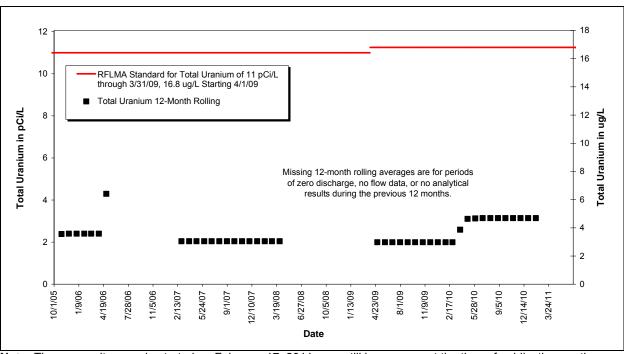
Post-Closure Period Ending Second Quarter CY 2011



Note: The composite sample started on February 17, 2011, was still in progress at the time of publication, so those results for this composite sample were not available for this report.

µg/L = micrograms per liter

Figure 34. Volume-Weighted 12-Month Rolling Average Total Uranium Concentrations at SW027: Calendar Year Ending Second Quarter CY 2011



Note: The composite sample started on February 17, 2011, was still in progress at the time of publication, so those results for this composite sample were not available for this report.

µg/L = micrograms per liter; pCi/L = picocuries per liter

Figure 35. Volume-Weighted 12-Month Rolling Average Total Uranium Concentrations at SW027:
Post-Closure Period Ending Second Quarter CY 2011

Table 2. CY 2010–2011 Composite Sampling Results for Plutonium at SW027

Date—Time Start	Date—Time End	Plutonium Result (pCi/L)
1/13/10—11:11	3/29/10—11:55	0.122
3/29/10—11:55	4/23/10—11:11	0.300
4/23/10—11:11	4/23/10—19:12	0.294
4/23/10—19:12	4/27/10—12:07	0.029
4/27/10—12:07	10/4/10—12:39	0.040
10/4/10—12:39	2/17/11—9:23	NA; No Flow
2/17/11—9:23	Sample in Progress	NA

Even though the 12-month rolling average values could not be formally calculated until complete analytical results were available for the April 27–October 4, 2010, sample, DOE initiated preemptive consultation with CDPHE on June 2, 2010. RFLMA Contact Record 2010-06, "Monitoring Results at Surface Water Point of Evaluation (POE) SW027," provides a discussion of the monitoring results and recaps the outcome of the RFLMA Parties' consultation regarding steps to be taken to evaluate the SW027 drainage area. Contact Record 2010-06 is available on the Rocky Flats website, http://www.lm.doe.gov/Rocky Flats/ContactRecords.aspx.

Subsequent to Contact Record 2010-06, the *Report of Steps Taken Regarding Monitoring Results at Surface Water Point of Evaluation (POE) SW027* (DOE 2010a) was completed on

August 31, 2010. This report provides data evaluation and an update on the steps taken in accordance with Contact Record 2010-06. Recommendations beyond the actions already taken and discussed in the Contact Record are also provided. The August 31, 2010, report on the status of actions related to evaluation of the conditions is also available on the Rocky Flats website, http://www.lm.doe.gov/Rocky_Flats/ContactRecords.aspx.

The recommendations in the evaluation included installing additional erosion control wattles in locations along the hillside north of the SID, installing permanent erosion blankets, and reseeding three areas in the SID. This work was successfully completed on December 20, 2010. Approximately 2,560 linear feet of Filtrexx wattles and 8,452 square feet of permanent erosion matting were installed.

SW027 has seen very little flow since April 2010, so no additional composite samples have been collected. Thus, no new analytical data are available to include in the 12-month rolling average.

3.1.3.3 Monitoring Location SW093

Monitoring location SW093 is on North Walnut Creek 1,300 feet upstream of the A-Series ponds. Figure 36 and Figure 38 show no reportable plutonium, americium, or total uranium values during the quarter. Figure 37 and Figure 39 show sampling data from 2005 through the second quarter of CY 2011. None of the 85th-percentile 30-day average metals concentrations were reportable for the quarter.

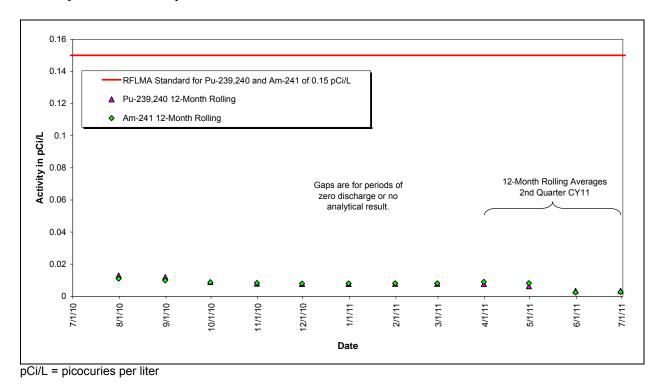


Figure 36. Volume-Weighted 12-Month Rolling Average Plutonium and Americium Activities at SW093: Calendar Year Ending Second Quarter CY 2011

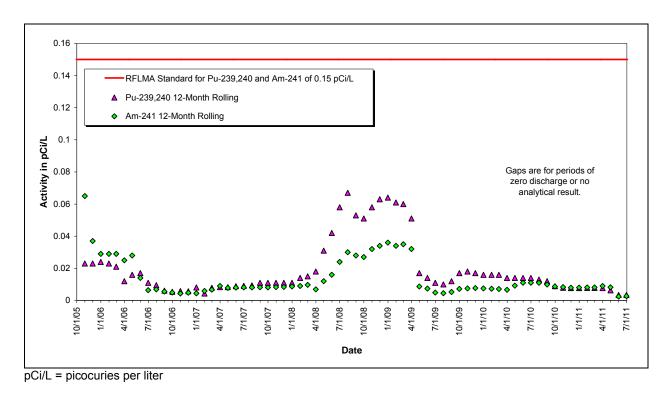


Figure 37. Volume-Weighted 12-Month Rolling Average Plutonium and Americium Activities at SW093: Post-Closure Period Ending Second Quarter CY 2011

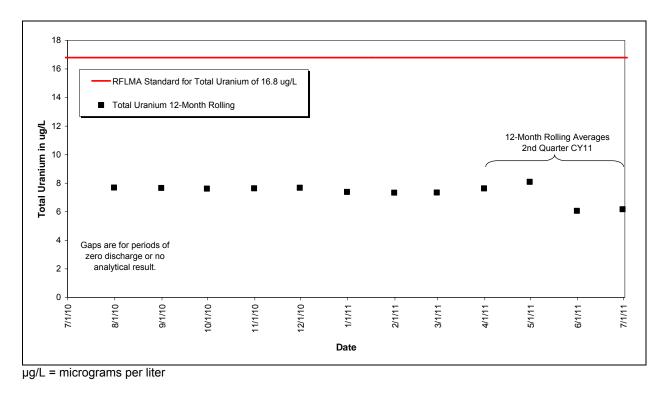
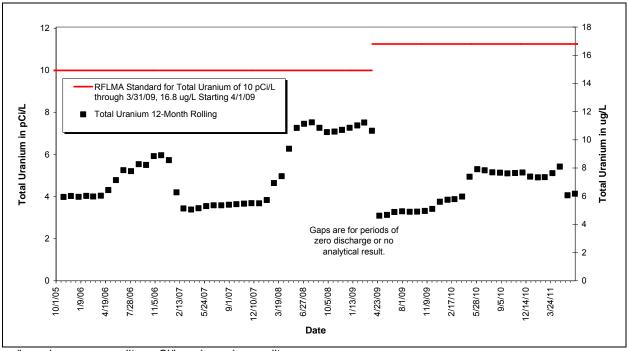


Figure 38. Volume-Weighted 12-Month Rolling Average Total Uranium Concentrations at SW093: Calendar Year Ending Second Quarter CY 2011



μg/L = micrograms per liter; pCi/L = picocuries per liter

Figure 39. Volume-Weighted 12-Month Rolling Average Total Uranium Concentrations at SW093: Post-Closure Period Ending Second Quarter CY 2011

3.1.4 AOC Wells and Surface Water Location SW018

All AOC wells and SW018 were scheduled for RFLMA monitoring in the second quarter of CY 2011. No reportable conditions were indicated. Nitrate concentrations in groundwater samples from well B206989 continue to exceed the applicable standard (DOE 2007c). Analytical results (Appendix B) will be discussed and statistically evaluated as part of the 2011 Annual Report.

3.1.5 Boundary Wells

Both Boundary wells were scheduled for RFLMA monitoring in the second quarter of CY 2011. On May 2, shortly after these wells were sampled, they were removed from the RFLMA monitoring network as reported in Section 1.1. In the interest of completeness, analytical results are provided in Appendix B.

3.1.6 Sentinel Wells

All Sentinel wells were scheduled for RFLMA monitoring in the second quarter of CY 2011. Analytical results (Appendix B) will be discussed and statistically evaluated as part of the 2011 Annual Report.

3.1.7 Evaluation Wells

No Evaluation wells were scheduled for RFLMA monitoring in the second quarter of CY 2011. Non-RFLMA samples were collected from Evaluation wells 00191, 07391, 18199, 21505, 33502, 33604, and 91105. Analytical results (Appendix B) will be discussed and evaluated as part of the 2011 Annual Report.

3.1.8 PLF Monitoring

All RCRA groundwater monitoring wells at the PLF were sampled during the second quarter of CY 2011. Analytical results (Appendix B) were generally consistent with past samples and will be discussed and statistically evaluated as part of the annual report for CY 2011. Section 3.1.10.4 discusses surface water monitoring at the PLF.

3.1.9 **OLF Monitoring**

All RCRA groundwater monitoring wells at the OLF were sampled during the second quarter of CY 2011. Analytical results (Appendix B) were generally consistent with past samples and will be discussed and statistically evaluated as part of the annual report for CY 2011.

During the second quarter of CY 2011, when routine surface water sampling was performed in Woman Creek downstream of the OLF (GS59), all available analytical results were less than the applicable surface water standards. The composite sample started on June 14, 2011, is still in progress. Therefore, metals and uranium data for this sample were not available for this report.

3.1.10 Groundwater Treatment System Monitoring

As described in Section 2.2, contaminated groundwater is intercepted and treated in four areas of the Site. The MSPTS, ETPTS, and SPPTS include a groundwater intercept trench. Groundwater entering the trenches is routed through a drain pipe into one or more treatment cells, where it is treated and then discharged to surface water. The PLFTS treats water from the northern and southern components of the Groundwater Intercept System and flow from the PLF seep.

3.1.10.1 Mound Site Plume Treatment System

All MSPTS monitoring locations were scheduled for RFLMA sampling in the second quarter of CY 2011. In addition, non-RFLMA samples of the influent and effluent locations associated with the air stripper were collected. Analytical results (Appendix B) will be discussed and evaluated as part of the 2011 Annual Report.

3.1.10.2 East Trenches Plume Treatment System

All ETPTS monitoring locations were scheduled for RFLMA sampling in the second quarter of CY 2011. Analytical results (Appendix B) will be discussed and evaluated as part of the 2011 Annual Report.

3.1.10.3 Solar Ponds Plume Treatment System

All SPPTS monitoring locations were scheduled for RFLMA sampling in the second quarter of CY 2011 (Appendix B). Non-RFLMA samples were also collected at several monitoring locations (e.g., SPILCA, SPCAE, SPZE, and others) to support continuing evaluation and optimization of the Phase II and Phase III upgrades (see also Section 2.2.3). Most of these screening/optimization samples were analyzed by the in-house Environmental Sciences Laboratory in Grand Junction, Colorado, rather than by an EPA-certified contract laboratory, and cannot be validated. All SPPTS data will be discussed in the 2011 Annual Report.

3.1.10.4 PLF Treatment System

During collection of the April 19, 2011, sample at the system influent (monitoring location PLFSEEPINF), the flow rate was 1.18 gallons per minute As of June 30, 2011, the PLF Pond outlet remained in an open configuration.

During the second quarter of CY 2011, routine sampling of the treated effluent exiting the system (monitoring location PLFSYSEFF) showed that no analyte concentrations were greater than the applicable surface water standards.

3.1.11 Pre-Discharge Monitoring

Pre-discharge samples are collected prior to discharge at Ponds A-4, B-5, and C-2 on North Walnut Creek, South Walnut Creek, and Woman Creek, respectively.

No pre-discharge samples were collected at Ponds A-4, B-5, or C-2 during the second quarter of CY 2011.

3.1.12 Non-RFLMA Monitoring

In addition to the RFLMA-required monitoring discussed in the previous sections, nonregulatory monitoring is performed at the Site to further describe the fate and transport of selected constituents at the Site. Data in this section are not limited to the current quarter but include all available data.

3.1.12.1 High-Resolution Inductively Coupled Plasma/Mass Spectrometry and Thermal Ionization Mass Spectrometry Analyses

Prior to and after Site closure, groundwater and surface water samples from select locations were sent to LANL for high-resolution inductively coupled plasma/mass spectrometry (HR ICP/MS) and/or thermal ionization mass spectrometry analyses. These analytical methods measure mass ratios of four U isotopes (masses 234, 235, 236, and 238). Isotopic ratios provide a signature that indicates whether and to what extent the uranium content is natural or anthropogenic (manmade).

In April 2011, additional samples were collected and submitted to LANL for high-resolution isotopic analyses (Table 3). Results will be evaluated in the 2011 Annual Report.

Table 3. Locations Sampled During Second Quarter 2011 for High-Resolution Uranium Analysis

Sample Location	General Area
Well 51605	Downgradient of SPPTS, adjacent to GS13
Well 70099	Northwest of SPPTS
Well 99405	South Walnut Creek near former B991
Well B210489	Downgradient of SPPTS
Well P210089	SPPTS area
SPIN	SPPTS influent
SPOUT	SPPTS effluent
SW093	Upgradient of SPPTS
GS10	South Walnut Creek upstream of B-series ponds
GS13	Downgradient of SPPTS
A1EFF	Farther downstream of SPPTS
A2EFF	Farther downstream of SPPTS
A3EFF	Farther downstream of SPPTS
A4 Pond	Farther downstream of SPPTS

4.0 Adverse Biological Conditions

No evidence of adverse biological conditions (e.g., unexpected mortality or morbidity) was observed during monitoring and maintenance activities in the second quarter of CY 2011.

5.0 References

- DOE (U.S. Department of Energy), 2007a. *Rocky Flats Legacy Management Agreement*, Rocky Flats Environmental Technology Site, Golden, Colorado, March 14.
- DOE (U.S. Department of Energy), 2007b. Second Five-Year Review Report for the Rocky Flats Site, Jefferson and Boulder Counties, Colorado, Rocky Flats Environmental Technology Site, Golden, Colorado September.
- DOE (U.S. Department of Energy), 2007c. *Rocky Flats Site Regulatory Contact Record* 2007-06: Evaluation of Elevated Nitrate in Ground Water Samples from AOC Well B206989, Office of Legacy Management, Westminster, Colorado, October 12.
- DOE (U.S. Department of Energy), 2008a. *Present Landfill Monitoring and Maintenance Plan and Post-Closure Plan*, Rocky Flats Environmental Technology Site, Golden, Colorado, March.
- DOE (U.S. Department of Energy), 2008b. Rocky Flats Site Quarterly Report of Site Surveillance and Maintenance Activities, First Quarter Calendar Year 2008, Office of Legacy Management, Westminster, Colorado, July.
- DOE (U.S. Department of Energy), 2009a. *Original Landfill Monitoring and Maintenance Plan, Rocky Flats Site*, Office of Legacy Management, Westminster, Colorado, September.

- DOE (U.S. Department of Energy), 2009b. Rocky Flats Site Quarterly Report of Site Surveillance and Maintenance Activities, Second Quarter Calendar Year 2009, Office of Legacy Management, Westminster, Colorado, October.
- DOE (U.S. Department of Energy), 2010a. Report of Steps Taken Regarding Monitoring Results at Surface Water Point of Evaluation (POE) SW027, Office of Legacy Management, Westminster, Colorado, August 31.
- DOE (U.S. Department of Energy), 2010b. Rocky Flats Site Annual Report of Site Surveillance and Maintenance Activities, Calendar Year 2009, Office of Legacy Management, Westminster, Colorado, April.
- DOE (U.S. Department of Energy), 2010c. Rocky Flats Site Quarterly Report of Site Surveillance and Maintenance Activities, First Quarter Calendar Year 2010, Office of Legacy Management, Westminster, Colorado, July.
- DOE (U.S. Department of Energy), 2011a. *Rocky Flats Site Operations Guide*, Revision 4.0, LMS/RFS/S03037-4.0, Office of Legacy Management, Westminster, Colorado, September.
- DOE (U.S. Department of Energy), 2011b. *Rocky Flats Site Annual Report of Site Surveillance and Maintenance Activities, Calendar Year 2010*, Office of Legacy Management, Westminster, Colorado, April.
- DOE, EPA, and CDPHE (U.S. Department of Energy, U.S. Environmental Protection Agency, and Colorado Department of Public Health and Environment), 2006. *Corrective Action Decision/Record of Decision for Rocky Flats Plant (USDOE) Peripheral Operable Unit and Central Operable Unit*, EPA/541/R-06/197, September 29.
- DOE, EPA, and CDPHE (U.S. Department of Energy, U.S. Environmental Protection Agency, and Colorado Department of Public Health and Environment), 2011. *Proposed Plan for Amendment of the Corrective Action Decision/Record of Decision*, June 1.

2012 Work Plan

- Cover memo
- Draft 2012 plan

Budget Hearings

- Cover memo
- Draft budget
- Budget notice and resolution

Triennial Review/IGA Amendments

- Cover memo
- Triennial review determination
- IGA amendment

ROCKY FLATS STEWARDSHIP COUNCIL

P.O. Box 17670 Boulder, CO 80308-0670 www.rockyflatssc.org (303) 412-1200 (303) 600-7773 (f)

Jefferson County -- Boulder County -- City and County of Broomfield -- City of Arvada -- City of Boulder
City of Golden -- City of Northglenn -- City of Westminster -- Town of Superior
League of Women Voters -- Rocky Flats Cold War Museum -- Rocky Flats Homesteaders
Arthur Widdowfield

MEMORANDUM

TO: Board

FROM: David Abelson

SUBJECT: Approval of 2012 Work Plan

DATE: November 1, 2011

I have scheduled 15 minutes for the board to review and approve the attached draft 2012 work plan. The plan is the same one the board reviewed at the September meeting as no changes were offered at that time. In preparation for the discussion, please review the minutes from the September meeting.

As always, please let me know what questions, if any, you have.

Action Item: Approve 2012 Work Plan

ROCKY FLATS STEWARDSHIP COUNCIL

P.O. Box 17670 Boulder, CO 80308-0670 www.rockyflatssc.org

(303) 412-1200 (303) 600-7773 (f)

Jefferson County -- Boulder County -- City and County of Broomfield -- City of Arvada -- City of Boulder City of Golden -- City of Northglenn -- City of Westminster -- Town of Superior League of Women Voters -- Rocky Flats Cold War Museum -- Rocky Flats Homesteaders Arthur Widdowfield

2012 Work Plan

Draft September 1, 2011

Mission:

The mission of the Rocky Flats Stewardship Council is to provide continuing local oversight of activities at the Rocky Flats site and to ensure local government and community interests are met with regards to long-term stewardship of residual contamination and refuge management. The mission also includes providing a forum to track issues related to former site employees and to provide an ongoing mechanism to maintain public knowledge of Rocky Flats, including educating successive generations of ongoing needs and responsibilities regarding contaminant management and refuge management.

Preface: 2012 Challenges and Opportunities

In 2012, the Stewardship Council will complete its 7th year of operations. At the start of the year, membership will expand to include the City of Thornton.

Some of the challenges and opportunities to address in <u>2012</u> will likely include:

- Incorporating Thornton into the organization.
- Participating in the CERCLA five-year review.
- Addressing growing concerns amongst memebrs and citizens with DOE management decisions.
- Developing and circulating accurate information about protectiveness of Rocky Flats cleanup.
- Maintaining public awareness and interest in the ongoing management needs at Rocky Flats.
- Reviewing and modifying as necessary organizational systems to ensure members remain engaged and the Stewardship Council functions efficiently.

Background:

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Deleted: <#>Building relationships with the new members of the Colorado Congressional delegation (as needed).¶

The Stewardship Council occupies two roles: (1) serving as the Local Stakeholder Organization (LSO) for Rocky Flats, and (2) engaging USFWS on the management of the Rocky Flats National Wildlife Refuge.

Local Stakeholder Organization (LSO)

Legacy Management approved the LSO Plan for Rocky Flats on December 21, 2005. That Plan identifies how the main responsibilities Congress identified in the legislation authorizing the creation of LSO (Section 3120 of the Fiscal Year 2005 Defense Authorization bill) are to be carried out at Rocky Flats. These responsibilities are summarized as follows:

- Solicit and encourage public participation in appropriate activities relating to the closure and post-closure operations of the site.
- Disseminate information on the closure and post-closure operations of the site to the State and local and Tribal governments in the vicinity of the site, and persons and entities having a stake in the closure or post-closure operations of the site.
- Transmit to appropriate officers and employees of DOE questions and concerns of governments, persons, and entities referred to in the preceding bullet.

In fulfilling these responsibilities, the Stewardship Council has been tasked with helping DOE meet its public involvement obligations identified in the Post-Closure Public Involvement Plan (PCPIP) for Rocky Flats.

Rocky Flats National Wildlife Refuge

"The Rocky Flats National Wildlife Refuge Act of 2001" established that Rocky Flats shall become a national wildlife refuge following EPA certification that the site has been cleaned to the agreed-upon regulatory standards. In July 2007 DOE conveyed jurisdictional responsibility over nearly 4000 acres to the Department of the Interior for the Rocky Flats National Wildlife Refuge.

In April 2005, USFWS published the Rocky Flats Comprehensive Conservation Plan (CCP), the conservation plan for the Rocky Flats National Wildlife Refuge. The CCP describes the desired future conditions of the Refuge and provides long-range guidance and management direction. Per the CCP, in the coming years USFWS anticipates developing the following "step-down" management plans, which provide specific guidance for achieving the objectives established in the CCP:

- 1. Vegetation and Wildlife Management Plan
- 2. Integrated Pest Management Plan
- 3. Fire Management Plan
- 4. Visitors Services Plan
- 5. Health and Safety Plan
- 6. Historic Preservation Plan

Due to funding restrictions, USFWS has delayed implementation of the CCP, including delaying the timeline for opening the Refuge for public access. Should USFWS take steps to open the

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Refuge, the Stewardship Council would work with USFWS and DOE to ensure the current access restrictions to DOE-retained lands remain effective and to address issues as needed.

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Work Plan Elements

The Work Plan is divided into the following five sections:

- 1. DOE Management Responsibilities
- 2. Former Rocky Flats Workforce
- 3. Outreach
- 4. Rocky Flats National Wildlife Refuge
- 5. Business Operations

DOE Management Responsibilities

Overview:

One of the key roles of the Stewardship Council continues to be to understand and engage the various issues regarding the cleanup and post-closure management of Rocky Flats, and to provide a forum to foster discussions among DOE, the regulatory agencies, and community members.

2012 Activities: Deleted: 2011

- 1. Review information regarding the long-term stewardship and management of the Rocky Flats site, including but not limited to the results of the operational and performance monitoring data of site operations and DOE status reports.
- Work with DOE on implementing its Post-Closure Public Involvement Plan (PCPIP), including the meetings DOE identified in the PCPIP.
- 3. Review DOE budgets for implementation of DOE responsibilities.
- 4. Participate in DOE, CDPHE and/or EPA assessment(s) of remedy operations and effectiveness.
- 5. As needed, evaluate legal and regulatory issues regarding implementation of RFLMA and related site documents, and provide information to the Stewardship Council and to the community.
- Work with DOE and the regulators to understand technical data regarding implementation and effectiveness of cleanup remedies and long-term controls, and provide information to the Stewardship Council and to the community.
- Transmit to appropriate officers and employees of the DOE questions and concerns of governments, persons and entities regarding Rocky Flats.
- Participate in the CERCLA five-year review. 8.
- Continue to participate in Adaptive Management Plan meetings, including technical evaluations of data.
- 10. Support the Rocky Flats Cold War Museum efforts to establish a museum and on mechanisms for educating successive generations about the history of Rocky Flats, particularly about residual contamination and continued need for long-term stewardship.

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Deleted: Continue evaluating DOE's proposal to breach terminal ponds A-4, B-5, and C-2, and to move the points of compliance from Indiana Street to the eastern edge of the Central Operating Unit (COU).¶

Deleted: <#>Work with USEWS and DOE on interpretative signage on refuge lands that includes history of Rocky Flats and cleanup, and ongoing DOE monitoring and surveillance program.

- Track issues related to transfer of administrative jurisdiction over former mineral parcels from DOE to Department of the Interior for inclusion in the Rocky Flats National Wildlife Refuge.
- 12. Track the development of Jefferson County Parkway as it relates to Rocky Flats.

Former Rocky Flats Workforce

Overview:

One of DOE's primary post-closure responsibilities is to manage the health and pension benefits of former site workers. Many of these workers are the constituents of the Stewardship Council governments. Further, the Rocky Flats Homesteaders, which represents more than 1800 former site workers, sits on the Board of the Stewardship Council. For these and other reasons, as noted in the Stewardship Council's IGA, worker issues will continue to be an important focus of the Stewardship Council.

2012 Activities:

- 1. Track issues related to the implementation of the Energy Employee Occupational Illness Program Compensation Act (EEOIPCA). Respond as needed.
- Communicate worker concerns to the Administration and to members of the Colorado Congressional delegation.

Outreach

Overview:

As the LSO for Rocky Flats, a core responsibility for the Stewardship Council is reaching out to the community and providing a mechanism to educate people about Rocky Flats and the ongoing management needs. As part of this mission it remains essential that the Stewardship Council maintain close communications with DOE, EPA, CDPHE, USFWS and Congress.

The local communities have developed over the period of many years a very good working relationship with the two primary regulatory agencies that oversee the site, EPA and CDPHE. It is imperative that the Stewardship Council continue this tradition of partnership with these agencies.

The Colorado congressional delegation likewise played a critical role in addressing Rocky Flats issues. The Stewardship Council shall remain an important vehicle for addressing issues of concern to the delegation and for providing community interface with the delegation on the numerous site-specific issues and concerns.

2012 Activities:

- Hold quarterly Board meetings and provide opportunity for public comment and public dialogue.
- Communicate with other local officials, DOE, state and federal regulators, the Colorado congressional delegation, and other stakeholders about the Stewardship Council's mission and activities, as appropriate.

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- 3. Seek public input and involvement on issues related to DOE and USFWS responsibilities at Rocky Flats.
- 4. Evaluate Congressional action affecting DOE and USFWS and administrative action that could affect Rocky Flats.
- 5. Maintain communication with federal and state legislators, as appropriate, and track federal and state legislation as needed.
- 6. Provide opportunities at meetings and in between meetings for education and feedback.
- Work with DOE to disseminate information on the cleanup and post-closure operations of Rocky Flats.
- 8. Participate in local, regional and national forums.
- 9. Implement mechanisms for the Stewardship Council and the general public to be informed of the results of the monitoring data and other relevant information, recognizing that not all communication between DOE and Rocky Flats constituencies will flow through the Stewardship Council. Options include:
 - o Periodic reports
 - o Email updates
 - o White papers
 - o Letters

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Press releases

Rocky Flats National Wildlife Refuge

Overview:

A core function of the Stewardship Council is to engage on issues related to the development and management of the future Rocky Flats National Wildlife Refuge. This work includes tracking and addressing issues related to the interface of the Refuge to lands that DOE will retain as part of its management responsibilities. Without funding for the Refuge, there will be little management activities for the foreseeable future.

2012 Activities:

- 1. Track agency and Congressional action affecting funding for USFWS.
- 2. Track issues related to the inclusion of Section 16 in the southwest corner of Rocky Flats into the Refuge.

Business Operations

Overview:

Business Operations refers to organizational management responsibilities – conducting the annual audit, submitting financial reports to DOE, adopting annual Work Plan and annual budget, etc.

2012 Activities:

- 1. Conclude the Stewardship Council's triennial review
- 2. Amend bylaws to account for expansion of organizational membership.
- 3. Appoint non-governmental members to the Stewardship Council.

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- 4. Work with DOE to ensure the Stewardship Council continues to meet the needs as the LSO for Rocky Flats.
- 5. Operate Stewardship Council in compliance with state and federal regulations.
- 6. Conduct financial audit.
- 7. Prepare and adopt the annual work plan and the annual budget.
- 8. Submit financial reports to DOE.9. Review and renew as necessary consulting agreements.
- 10. Provide annual report on activities.

Success Measurement Criteria

How the Stewardship Council will measure its success is important. Many organizations use sophisticated techniques to measure success, but these are not necessary for the Stewardship Council. Rather each year the Stewardship Council will pause and reflect on its Work Plan elements to help determine its ability to accomplish the stated mission and objectives. The review shall include an assessment of how the organization can improve in the coming year, focusing on areas of weakness and opportunities for improvement.

ROCKY FLATS STEWARDSHIP COUNCIL

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City of Golden -- City of Northglenn -- City of Westminster -- Town of Superior
League of Women Voters -- Rocky Flats Cold War Museum -- Rocky Flats Homesteaders
Arthur Widdowfield

MEMORANDUM

TO: Board

FROM: David Abelson

SUBJECT: Fiscal Year 2012 Budget Hearings

DATE: November 1, 2011

As we discussed at the September meeting, at this meeting the board will hold budget hearings on the fiscal year 2012 Stewardship Council budget. The board will also approve a budget resolution adopting the budget. As a unit of local government under the Colorado Constitution, the Stewardship Council must hold this hearing prior to adopting a final budget.

The budget I am presenting is the same one the Board reviewed at the September meeting. Per the discussion at the September meeting, the sole change I made was to update local government contributions to include (1) Thornton becoming a member, and (2) Northglenn and Golden becoming permanent members. No other changes were offered at that meeting and none were made.

The actual/projected expenses have also been updated to include actual expenses through September. The initial draft reflected actual expenses through July.

Also attached are the hearing notice and budget resolution that will be submitted to the State of Colorado. The notice will be published in the <u>Denver Post</u>.

Please let me know what questions, if any, you have.

Action Item: Hold fiscal year 2012 budget hearings and approve resolution adopting budget.

ROCKY FLATS STEWARDSHIP COUNCIL

2012 Budget -- DRAFT #2

A.	Personnel				\$ 93,000.00	<u>2(</u> \$	011 Budget 93,000.00	<u>2</u> \$	O11 Actual/ Projected Expenses* 82,200.00
	Executive Director and Technical Advisor (\$7750/month	for 12 months)							
B.	Fringe Benefits				\$ -	\$	-	\$	-
	Benefits Staff are contract employees		\$	-					
C.	Travel				\$ 5,700.00				
	Out of State National DOE-related trips \$1500/trip X 3 trips		\$	4,500.00		\$	4,500.00	\$	2,860.07
	Local Travel \$100/month for 12 months		\$	1,200.00		\$	1,200.00	\$	859.67
D.	Computer Equipment				\$ 500.00				
	Purchase misc. hardware, software		\$	500.00		\$	500.00	\$	-
E.	Supplies				\$ 1,200.00				
	Supplies (\$100/month for 12 months)		\$	1,200.00		\$	1,200.00	\$	816.39
F.	Contractual				\$ 40,100.00				
	Attorney & Accounting Services Legal Services (\$1400/ month for 12 months) Accounting (\$850/month for 12 months) Audit Report	\$ 16,800.0 \$ 10,200.0 \$ 6,500.0	00	33,500.00		\$ \$ \$	16,800.00 10,200.00 6,500.00	\$ \$ \$	13,266.23 5,567.50 4,147.82
	Admin. Services Misc. Services: budget notices, etc. Minutes Preparation (6 meetings)	\$ 1,000.0 \$ 3,600.0		4,600.00		\$ \$	1,000.00 3,600.00	\$ \$	42.00 3,300.00
	Local Government Expenses Miscellaneous expenses not covered by DOE funds (includes meeting expenses)		\$	2,000.00		\$	2,000.00	\$	1,133.00
G.	Construction				\$ -	\$	-	\$	-
	None								
Н.	Other				\$ 14,300.00				
	Printing & Copy		\$	2,000.00		\$	2,000.00	\$	1,077.88
	Postage \$125/month for 12 months		\$	1,500.00		\$	1,500.00	\$	1,011.88
	Liability Insurance Property Contents/General Liability Board Members	\$ 500.0 \$ 3,500.0		4,000.00		\$	4,000.00	\$	3,459.19
	Telephone, email, etc.		\$	2,700.00		\$	3,400.00	\$	1,998.84
	Website		\$	2,000.00		\$	3,000.00	\$	460.00

Page 1 of 2 Printed 10/31/2011

Hosting \$ 500.00 Web master \$ 1,500.00

Subscriptions/Memberships \$ 2,100.00 \$ 2,350.00 \$ 1,650.00

ECA membership\$ 950.00Conference registration fees\$ 500.00Newspapers\$ 650.00

J. Indirect Costs \$ -

N/A

TOTAL PROPOSED BUDGET \$ 154,800.00 \$ 156,750.00 \$ 123,850.47

Net Change from 2011 budget \$ (1,950.00)

REVENUE FOR 2012

Local government contributions\$ 10,000.00Department of Energy grant\$ 125,000.00RFCLOG carry-over\$ 19,800.00

TOTAL \$ 154,800.00

Page 2 of 2 Printed 10/31/2011

^{*2011} Actual/Projected Expenses = actual January through September; projected October through December

STATE OF COLORADO

ROCKY FLATS STEWARDSHIP COUNCIL

The Board of Directors of the Rocky Flats Stewardship Council ("Stewardship Council"), State of Colorado, held a meeting at the Rocky Mountain Metropolitan Airport (formerly Jefferson County Airport), Mt. Evans Room, 11755 Airport Way, in Broomfield, Colorado 80021, on November 14, 2011 at the hour of 8:30 A.M., at which a quorum of the Board of Directors was present.

The Executive Director reported that prior to the meeting he had notified each of the Directors of the date, time and place of this meeting and the purpose for which it was called. He further reported that Notice of the Board Meeting has been posted in accordance with the Bylaws of the Stewardship Council and, to the best of his knowledge, remains posted to the date of this meeting.

Thereupon, Director _	 introduc	ced	and	moved	the	adoption
of the following Resolution:						

RESOLUTION

A RESOLUTION SUMMARIZING EXPENDITURES AND REVENUES FOR THE GENERAL FUND AND ADOPTING A BUDGET AND APPROPRIATING SUMS OF MONEY TO THE GENERAL FUND IN THE AMOUNTS AND FOR THE PURPOSES SET FORTH HEREIN FOR THE ROCKY FLATS STEWARDSHIP COUNCIL, STATE OF COLORADO, FOR THE CALENDAR YEAR BEGINNING ON THE 1ST DAY OF JANUARY, 2012, AND ENDING ON THE LAST DAY OF DECEMBER, 2012.

WHEREAS, the proposed budget has been submitted to the Board of Directors of the Stewardship Council for its consideration; and

WHEREAS, upon due and proper notice, published in accordance with law as attached at Exhibit A, said proposed budget was open for inspection by the public at a designated place, a public hearing was held on November 14, 2011 and interested electors were given the opportunity to file or register any objections to said proposed budget; and

WHEREAS, the budget being adopted by the Board has been prepared based on the best information available to the Board regarding the effects of Article X, Section 20 of the Colorado Constitution; and

WHEREAS, whatever increases may have been made in the expenditures, like increases were added to the revenues so that the budget remains in balance, as required by law.

NOW, THEREFORE, BE IT RESOLVED BY THE BOARD OF DIRECTORS OF THE

ROCKY FLATS STEWARDSHIP COUNCIL, STATE OF COLORADO:

- Section 1. <u>Summary of 2012 Revenues and 2012 Expenditures</u>. That the estimated revenues and expenditures for the general fund for fiscal year 2012, as more specifically set forth in the budget attached hereto, are accepted and approved.
- Section 2. <u>Adoption of Budget</u>. That the budget as submitted, amended, attached hereto and incorporated herein, is approved and adopted as the budget of the Rocky Flats Stewardship Council for fiscal year 2012.
- Section 3. <u>Appropriations</u>. That the amounts set forth as expenditures and balances remaining, as specifically allocated in the budget, attached hereto, are hereby appropriated from the revenue of the general fund, to the general fund, for the purposes stated and no other.
- Section 4. <u>Budget Certification</u>. That the budget shall be certified by Bob Briggs, Chairman of the Board, and made a part of the public records of the Rocky Flats Stewardship Council.

The foregoing Resolution was seconded by Director	The	foregoing	Resolution w	as seconded by D	Director	
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RESOLUTION APPROVED AND ADOPTED THIS 14th DAY OF NOVEMBER, 2011.

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2012 Budget Resolution

ROCKY FLATS STEWARDSHIP COUNCIL

	Ву:
	Bob Briggs, Chairman
ATTEST:	
Secretary	
RFSCo\RESO ST1408 0756.0015(11)	

STATE OF COLORADO ROCKY FLATS STEWARDSHIP COUNCIL

I, Bob Briggs, hereby certify that I am a Director and qualified Chairman of the Rocky Flats Stewardship Council, and that the foregoing constitutes a true and correct copy of the record of proceedings of the Board of Directors of said Stewardship Council, adopted at a meeting of the Board of Directors of the Rocky Flats Stewardship Council held on November 14, 2011 at the Rocky Mountain Metropolitan Airport (formerly Jefferson County Airport), Mt. Evans Room, 11755 Airport Way, in Broomfield, Colorado, as recorded in the official record of the proceedings of the Stewardship Council, insofar as said proceedings relate to the budget hearing for fiscal year 2012; that said proceedings were duly had and taken; that the meeting was duly held; and that the persons were present at the meeting as therein shown.

IN WITNESS WHEREOF, I have hereunto subscribed my name and affixed the official seal of the Stewardship Council this 14th day of November, 2011.

Bob Briggs, Chairman

EXHIBIT A

NOTICE AS TO PROPOSED 2012 BUDGET

NOTICE IS HEREBY GIVEN that a proposed budget has been submitted to the ROCKY

FLATS STEWARDSHIP COUNCIL for the fiscal year 2012. A copy of such proposed budget

has been filed in the office Seter & Vander Wall, P.C. 7400 East Orchard Road, Suite 3300,

Greenwood Village, Colorado, where same is open for public inspection. Such proposed budget

will be considered at a meeting of the Rocky Flats Stewardship Council to be held at 8:30 A.M. on

Monday, November 14, 2011. The meeting will be held at 11755 Airport Way, Mt. Evans Room,

in Broomfield, Colorado. Any interested party may inspect the proposed budget and file or register

any objections at any time prior to the final adoption of the 2012 budget.

BY ORDER OF THE EXECUTIVE COMMITTEE: ROCKY FLATS STEWARDSHIP COUNCIL

By: /s/ SETER & VANDER WALL, P.C.

Attorneys for the District

Publish in: The Denver Post

Publish on: November 7, 2011

ROCKY FLATS STEWARDSHIP COUNCIL 2012 BUDGET MESSAGE

SUMMARY OF SIGNIFICANT ASSUMPTIONS

Services Provided

The purpose of the Rocky Flats Stewardship Council, consistent with public health, safety and welfare, is to provide an effective mechanism for local governments in the vicinity of Rocky Flats and their citizens to work together on issues of mutual concern relating to the future use and long-term protection of Rocky Flats, and to serve as a focal point for local government communication and advocacy with state and federal agencies regarding Rocky Flats issues.

Revenue

The Stewardship Council receives its revenues from the Department of Energy; Rocky Flats Coalition of Local Governments; and Local Government contributions (Boulder County, Jefferson County, City and County of Broomfield, Cities of Arvada, Boulder, Golden, Northglenn, and Westminster and Town of Superior).

Expenditures

The funds are used for G&A, overhead expenses, as well as costs incurred with buffer zone and stewardship planning processes.

The Stewardship Council prepares its budget on the modified accrual basis of accounting.

ROCKY FLATS STEWARDSHIP COUNCIL

P.O. Box 17670 Boulder, CO 80308-0670 www.rockyflatssc.org (303) 412-1200 (303) 600-7773 (f)

Jefferson County -- Boulder County -- City and County of Broomfield -- City of Arvada -- City of Boulder
City of Golden -- City of Northglenn -- City of Westminster -- Town of Superior
League of Women Voters -- Rocky Flats Cold War Museum -- Rocky Flats Homesteaders
Arthur Widdowfield

MEMORANDUM

TO: Board

FROM: David Abelson

SUBJECT: Intergovernmental Agreement Triennial Review/IGA Amendment

DATE: November 1, 2011

At this meeting we will continue the triennial review of the Stewardship Council's Intergovernmental Agreement (IGA). Attached to this memo are two documents -- (1) the form of resolution for the triennial review determination, and (2) a proposed First Amendment to the IGA. Both documents have been vetted with the city and county staff and reflect their input. Each government will need to approve both documents prior to February 12, 2012. The one exception is that the City of Thornton who, as a new member to the IGA, will not need to approve the triennial review determination.

At this meeting we will discuss any questions you have and next steps. In the interim, please let me know what questions you have.

RESOLUTION of [COUNTY/CITY/TOWN of _____] Regarding

Triennial Determination for the Continuation of The Rocky Flats Stewardship Council

WHEREAS, effective as of February 13, 2006, the City and County of BROOMFIELD, the Counties of BOULDER and JEFFERSON, the Cities of ARVADA, BOULDER, GOLDEN, NORTHGLENN and WESTMINSTER, and the Town of SUPERIOR (collectively, the "Parties"), entered into an intergovernmental agreement ("IGA") establishing the Rocky Flats Stewardship Council, a separate legal public entity created by such IGA as permitted by Colorado Constitution Article XIV and section 18(2), part 2 of article 1, title 29, C.R.S. ("Stewardship Council"); and

WHEREAS, the Stewardship Council was established to allow local governments to continue working together on issues related to the long-term protection of Rocky Flats, as described in the IGA; and

WHEREAS, pursuant to the terms of the IGA, the Stewardship Council shall terminate absent, *inter alia*, the unanimous triennial determination by all Parties that the Stewardship Council should continue for another three years; and

WHEREAS, effective February 13, 2009, the Parties approved the continuation of the Stewardship Council for three years; and

WHEREAS, the [BOCC/COUNCIL] of the [COUNTY/CITY/TOWN] now desires to consider and make a determination concerning the continuation of the Stewardship Council for another three years;

NOW,	THEREFO	RE, BE	IT	RESOLVED	BY	THE	[BOARD	OF	COUNTY
COMMISSIO	NERS/COU	NCIL] (OF [COUNTY/CIT	Y/T(OWN (OF		
AS FOLLOWS	S:								

That the [BOCC/COUNCIL] of the [COUNTY/CITY/TOWN of _____] does hereby find and determine that,

- a. It is not desirable for the Stewardship Council to terminate at this time; and
- b. The Stewardship Council should continue for an additional three (3) years from the date of February 13, 2012, pursuant to paragraph 10 of the IGA.

Resolution re: Triennial Determination of the Co Page 2 of 2	ontinuation of the Rocky	Flats Stewardship Council
APPROVED AND ADOPTED this	day of	, 20
	[BOCC/COUNCIL]	
	By: Chair	
ATTEST:		
By:		
First Reading: Second Reading:		

RFSC/RESO BTVW1038 0756.0007

FIRST AMENDMENT TO

INTERGOVERNMENTAL AGREEMENT ESTABLISHING THE ROCKY FLATS STEWARDSHIP COUNCIL

This First Amendment to Intergovernmental Agreement establishing the Rocky Flats Stewardship Council ("First Amendment to IGA") is made and entered into as of this _____ day , 2012, pursuant to Colo. Const. Art. XIV, Section 18(2), part 2 of article 1, title 29, C.R.S., by and among the following parties who have executed this IGA: BOULDER COUNTY, a body politic and corporate and political subdivision of the State of Colorado, JEFFERSON COUNTY, a body politic and corporate and political subdivision of the State of Colorado, the CITY OF ARVADA, a home-rule municipal corporation and political subdivision of the State of Colorado, the CITY OF BOULDER, a home-rule municipal corporation and political subdivision of the State of Colorado, the CITY AND COUNTY OF BROOMFIELD, a Colorado municipality and county, the CITY OF WESTMINSTER, a homerule municipal corporation and political subdivision of the State of Colorado, the TOWN OF SUPERIOR, a municipal corporation, the CITY OF GOLDEN, a home rule municipal corporation and political subdivision of the State of Colorado, and the CITY OF NORTHGLENN, a home-rule municipal corporation and political subdivision of the State of Colorado, and the CITY OF THORNTON, a home-rule municipal corporation and political subdivision of the State of Colorado (singularly and/or collectively, "Party/Parties").

RECITALS

WHEREAS, the Rocky Flats Stewardship Council ("Stewardship Council") was established by intergovernmental agreement ("IGA") effective February 13, 2006, and was created to allow local governments to work together on issues related to the long-term protection of Rocky Flats; and

WHEREAS, the Stewardship Council is currently governed by a Board of Directors made up of public official representatives of nine Colorado local governments with borders which lie adjacent to or near the Rocky Flats site, including Boulder County, Jefferson County, the City of Arvada, the City of Boulder, the City and County of Broomfield, the City of Golden, the City of Northglenn, the City of Westminster, and the Town of Superior; and community stakeholder representatives including the League of Women Voters, the Rocky Flats Cold War Museum, the Rocky Flats Homesteaders and Arthur Widdowfield; and

WHEREAS, the City of Thornton also lies near the Rocky Flats site and has requested to become a party to the Stewardship Council; and

WHEREAS, the Stewardship Council, at a meeting held September 12, 2011, approved the request by Thornton to become a Party to the IGA and a member of the Stewardship Council, subject to the terms and conditions of the IGA; and

WHEREAS, the Stewardship Council has further determined to make the Cities of Northglenn and Golden "permanent" rather than "rotating" parties to the Stewardship Council; and

WHEREAS, the addition of any local government to the Stewardship Council or other modification to the IGA requires a written amendment, executed by all Parties to be valid and binding; and

WHEREAS, the Constitution and the laws of the State of Colorado permit and encourage local governmental entities to cooperate with each other to make the most efficient and effective use of their powers and responsibilities; and

WHEREAS, the execution of this First Amendment to IGA by the existing Parties to the IGA and by the City of Thornton implements Colo. Const. Art. XIV, Sec. 18(2), and part 2 of article 1, title 29, C.R.S., and is in the best interest of the Parties, the region and the people of the State of Colorado;

THEREFORE, the Parties to this First Amendment to IGA hereby covenant and agree as follows:

COVENANTS AND AGREEMENTS

- 1. Addition of the City of Thornton. The IGA is hereby amended to add the City of Thornton as a local government member and Party to the IGA, with all the rights, privileges and duties associated therewith, and the initial paragraph, the recitals, the body and the signature pages of the IGA shall be deemed amended to reflect this action.
- 2. <u>Amendments to Remove Designation of "Permanent" and "Rotating" Parties.</u> There shall no longer be a distinction between "Permanent Party" and "Rotating Party." Accordingly, the IGA is hereby modified as follows:
 - a. <u>Definitions</u>: The following terms as provided under the heading "Definitions" in the IGA shall be amended as follows:
 - i. "Party" shall mean "a unit of local government who is a signatory to this IGA, as amended, including the City and County of Broomfield, the Counties of Boulder and Jefferson, the Cities of Arvada, Boulder, Golden, Northglenn, Thornton and Westminster, and the Town of Superior.
 - ii. "Permanent Party" and "Rotating Party" are hereby deleted from the IGA in their entirety.
 - b. <u>Board of Directors</u>. The first sentence of Paragraph 7 of the IGA regarding the Board of Directors shall be amended to read as follows:

The legislative and administrative power of the Stewardship Council shall be vested with a Board of Directors not to exceed fourteen (14) in number, one representing each of the ten Parties, and one representing each of the Members (not to exceed four); each with one equal vote.

- c. <u>References</u>. All other references to "Permanent" and "Rotating" Parties in the IGA shall be read to be interpreted with the Parties' intention to remove the distinction in designations, and refer only to "Parties."
- 3. <u>Amendment to Paragraph 7 regarding Actions of the Board</u>: Paragraph 7.j. titled "Actions of Board" is hereby amended to change the minimum voting requirement for Board action from nine to eleven, as follows:
 - j. Actions of Board. Actions of the Board require an affirmative vote of at least eleven (11) Directors. In the event a decision is made with less than a unanimous vote, Director(s) in the minority may include a statement in the record reflecting its or their views.
- 4. <u>Prior Provisions Effective</u>. Except as specifically amended hereby, all the terms and provisions of the IGA shall remain in full force and effect.
- 5. <u>Counterpart Execution</u>. This First Amendment to IGA may be executed in several counterparts, each of which shall be deemed an original, and all of which together shall constitute one and the same instrument.

IN WITNESS WHEREOF, the Parties have executed this First Amendment to IGA effective as of the date first written above.

COUNTY OF BOULDER

Date:	 	
	By:	
ATTEST:		
ATTEST:		

COUNTY OF JEFFERSON

Date:	<u> </u>	
	By:	
A TTEOT.		
ATTEST:		

CITY OF ARVADA

Date:	<u>_</u>	
	Ву:	
ATTEST:		
MITLSI.		

CITY OF BOULDER

Date:		
	By:	
ATTEST:		
ATTEST.		

CITY AND COUNTY OF BROOMFIELD

Date:	<u> </u>	
	By:	
ATTEST:		
ATTEST.		

CITY OF WESTMINSTER

Date:		
	By:	
ATTEST:		
TILDI.		

TOWN OF SUPERIOR

Date:	<u></u>	
	By:	
ATTEST:		

CITY OF GOLDEN

Date:	By:
	- y ·
ATTEST:	

CITY OF NORTHGLENN

Date:		
	By:	
ATTEST:		

CITY OF THORNTON

Date:	<u> </u>	
	By:	
ATTEST:		
ATTEST.		

LSO Applications

- Cover memo
- Rocky Flats Homesteaders
- League of Women Voters
- Arthur "Murph" Widdowfield
- Rocky Flats Cold War Museum

ROCKY FLATS STEWARDSHIP COUNCIL

P.O. Box 17670 Boulder, CO 80308-0670 www.rockyflatssc.org (303) 412-1200 (303) 600-7773 (f)

Jefferson County -- Boulder County -- City and County of Broomfield -- City of Arvada -- City of Boulder
City of Golden -- City of Northglenn -- City of Westminster -- Town of Superior
League of Women Voters -- Rocky Flats Cold War Museum -- Rocky Flats Homesteaders
Arthur Widdowfield

MEMORANDUM

TO: Board

FROM: David Abelson

SUBJECT: Rocky Flats Stewardship Council Membership Applications

DATE: October 31, 2011

I have scheduled 10 minutes for the governments to interview candidates for the four community representative seats on the Board of Directors and to make appointments. The terms start at the February 2012 meeting and run two years.

The four groups/individuals that submitted applications are current members on the board of directors.

Arthur "Murph" Widdowfield League of Women Voters Rocky Flats Cold War Museum Rocky Flats Homesteaders

While the board has worked extensively with these members and the executive committee and staff trust that all will be reappointed, we've scheduled time for the governments to engage in any dialogue they so wish, including questioning these members regarding their interest in continuing on the board of directors. Their applications are attached.

Please let me know what questions you have.

Action Item: Meet with candidates and make appointments

Rocky Flats Homesteaders

In 2005 following the passage of federal legislation that enabled the establishment of the Stewardship Council, DOE identified the following characteristics that could serve to guide membership of the non-governmental members:

- 1. Impacted by and interested in a majority of the scope topic areas of the Stewardship Council
- 2. Willingness to invest time and energy on all of the topic areas
- 3. Some familiarity with Rocky Flats history, the cleanup process, etc.
- 4. Represent a broad constituency with a wide diversity of viewpoints
- 5. Bring new ideas to the table

In developing a broad constituency, there are various potential membership categories:

- 1. Academic institution
- 2. Business
- 3. Former Rocky Flats worker
- 4. Historic preservation
- 5. Landowner/asset holder
- 6. Public interest/environmental group
- 7. Student
- 8. Technical expertise
- 9. Other

Application Deadline: Wednesday, October 19, 2011 (fax, email and mail only)

Applicant Information

Name: Roman KohLer

Name of organization represented (if applicable):

Rocky Flats Homesteaders

Address: 9295 w. 90th eir, westminster, co 80021-4413

Telephone: 303-420-7442

Fax:

Email: rfKohler@yahoo.com

Title (if applicable):

Membership category: Director

Number of individuals/groups your organization represents:

1,600 former Rocky Flats workers

In 2005 following the passage of federal legislation that enabled the establishment of the Stewardship Council, DOE identified the following characteristics that could serve to guide membership of the non-governmental members:

- 1. Impacted by and interested in a majority of the scope topic areas of the Stewardship
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- 5. Landowner/asset holder
- 6. Public interest/environmental group
- 7. Student
- 8. Technical expertise
- 9. Other

Application Deadline: Wednesday, October 19, 2011 (fax, email and mail only)

Applicant Information

Kathleen Bacheller Name:

Name of organization represented (if applicable):

Rocky Flats Homesterders

Address:

Telephone: Denver, co 80237-1169

303-759-0836

Fax:

Email: PKBach Qcom cast net

Title (if applicable):

Membership category: Alternate Director

Number of individuals/groups your organization represents:

1,600 former Rocky Fhats workers

Conflict of Interest Statement

In the interest of maintaining public trust and accountability, organizations and individuals who have a conflict of interest or a potential conflict of interest must identify any such conflicts. "Conflict of interest" is broadly defined as (1) having a direct financial interest in any issue related to the management of Rocky Flats and/or (2) currently being engaged in a lawsuit against the Department of Energy, the Department of the Interior, Jefferson County, Boulder County, the City and County of Broomfield, the cities of Arvada, Boulder, Golden, Northglenn, Thornton, and Westminster, and the Town of Superior. Any such conflicts must be listed below.

Roman Kohler 9/14/,

Print name/date

Signature*

Kathleen Bacheller

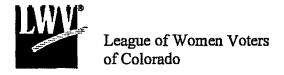
Print name/date 9/14/

*If you are submitting the application on behalf of an organization, both the Director and one Alternate Director must sign the application.

If you have any questions, please contact: David Abelson Executive Director, Rocky Flats Stewardship Council (303) 412-1200

dabelson@rockyflatssc.org

League of Women Voters



October 6, 2011

David Abelson, Executive Director Rocky Flats Stewardship Council PO Box 17670 Boulder, CO 80308-0670

Dear David,

The League of Women Voters of Colorado is pleased to request continuance on the Rocky Flats Stewardship Council. Through our representatives, Jeanette Hillery and Sue Vaughan, we hope to have provided cogent discussions, meaningful inquiries and vigilance on the continuing over site of this facility.

As you know the League of Women Voters has a long history in dealing with public process, nuclear weapon forum and concern for the environment. The past five years on the Council has increased our awareness and we wish to continue this membership. We would like our representative to be Jeanette Hillery, 999 Meadow Glen Drive, Boulder, CO 80303, 303-474-7718, jmhillery915@comcast.net. The alternate will continue to be Sue Vaughan, 16449 West 55th Drive, Golden, CO 80403, 303-277-0145, suev53@aol.com.

Thank you for your attention and we look forward to hearing from you.

Sincerely,

Catherine Perrone, President

League of Women Voters of Colorado

1410 Grant St., Denver, CO 80203

303-863-0437

Email: info@lwvcolorado.org

Rocky Flats Stewardship Council Membership Application

Submitted by: League of Women Voters of Colorado

Representative Name: Jeanette Hillery

Alternate: Sue Vaughan

Organization: League of Women Voters of Colorado

1410 Grant St., B204, Denver, CO 80203

#303-863-0437

info@lwvcolorado.org

Jeanette Hillery, 999 Meadow Glen Drive, Boulder CO 80303, 303-494-7718,

Email jmhillery915@comcast.net

Sue Vaughan, 16449 West 55th Drive, Golden CO 80402, 303-277-0145,

Email suev53@aol.com

Membership category: Non-governmental

Number of individuals/groups represented: 19 local leagues statewide with, over 1500 members

The League of Women Voters has a long history of promoting public process and education of the public in all areas of governmental interest. We have been active participants with Rocky Flats for years and been members of the Stewardship Council since 2005. We feel that we provide a public perspective to the ongoing process of the closed Rocky Flats facility.

We wish to see that there is ongoing monitoring at the site and that the land surrounding it be preserved. We promote public dialogue on any subject that might arise. By asking questions and joining the dialogue, we feel we have added to the ongoing issues of the Council. Continued membership will add to the continuity of the Council which is always beneficial to new members.

Conflict of Interest Statement

In the interest of maintaining public trust and accountability, organizations and individuals who have a conflict of interest or a potential conflict of interest must identify any such conflicts. "Conflict of interest" is broadly defined as (1) having a direct financial interest in any issue related to the management of Rocky Flats and/or (2) currently being engaged in a lawsuit against the Department of Energy, the Department of the Interior, Jefferson County, Boulder County, the City and County of Broomfield, the cities of Arvada, Boulder, Golden, Northglenn and Westminster, and the Town of Superior. Any such conflicts must be listed below.

NO CONFLICTS

Catherine Perrone, LWVCO President

10/06/11

Julie Leonard, LWVCO Executive Director

10/06/11

Arthur "Murph" Widdowfield

In 2005 following the passage of federal legislation that enabled the establishment of the Stewardship Council, DOE identified the following characteristics that could serve to guide membership of the non-governmental members:

- 1. Impacted by and interested in a majority of the scope topic areas of the Stewardship Council
- 2. Willingness to invest time and energy on all of the topic areas
- 3. Some familiarity with Rocky Flats history, the cleanup process, etc.
- 4. Represent a broad constituency with a wide diversity of viewpoints
- 5. Bring new ideas to the table

In developing a broad constituency, there are various potential membership categories:

- 1. Academic institution
- 2. Business
- 3. Former Rocky Flats worker
- 4. Historic preservation
- 5. Landowner/asset holder
- 6. Public interest/environmental group
- 7. Student
- 8. Technical expertise
- 9. Other

Application Deadline: Wednesday, October 19, 2011 (fax, email and mail only)

Applicant Information

Name: Arthur S. (Murph) Widdowsield
Name of organization represented (if applicable): Individual Community Wember
Address: 7385 Quantz Street
Telephone: 303-904-4094 (home)
Fax: 303-910-3104 ([ell)
Email: Murph @ mho. com
Title (if applicable): None
Membership category: Individual or Citizen
Number of individuals/groups your organization represents:

1 + all my Neighbors and evenyone I meet.

Time Commitment

Members can be expected to spend 5-10 hours per month working on Stewardship Council issues including participating in 5-6 Board meetings per year. Members who lack a solid foundation on Rocky Flats issues will likely need to spend time developing a strong foundation on the history of the site and the cleanup, and long-term goals for the site. How much time will you/your organization be able to commit towards this effort? Are there any time constraints you/your organization will/may face? Please explain.

Please see attached

Assignment of Director and Alternate Director(s)

Meeting attendance is vitally important so each organization must be able to appoint a Director and up to two Alternate Directors to serve in the absence of the Director. If you are applying on behalf of an organization, who will serve as the designated Director and the designated Alternate Director(s)? Please attach a short bio for the Director and Alternate Director(s). (Persons applying for membership as individuals, not representing a category or organization, are not permitted to appoint Alternate Directors to serve on their behalf, but please attach a short bio.)

Please see attached

Statement of Interest

Please write a statement explaining your organization's interest (or personal interest if you are applying as an individual) in serving on the Stewardship Council. Please discuss any relevant experience, education, expertise, or special skills you or your organization has that would serve the Stewardship Council's mission, including any work experience on Rocky Flats issues. If you are an individual please list any relevant experience you have in serving on boards or commissions, and if you represent an organization or category of interest, please include a short explanation of what your organization hopes to accomplish in serving on the Stewardship Council. Please also explain your membership category.

Please see attached

Conflict of Interest Statement

In the interest of maintaining public trust and accountability, organizations and individuals who have a conflict of interest or a potential conflict of interest must identify any such conflicts. "Conflict of interest" is broadly defined as (1) having a direct financial interest in any issue related to the management of Rocky Flats and/or (2) currently being engaged in a lawsuit against the Department of Energy, the Department of the Interior, Jefferson County, Boulder County, the City and County of Broomfield, the cities of Arvada, Boulder, Golden, Northglenn, Thornton, and Westminster, and the Town of Superior. Any such conflicts must be listed below.

I have No conflicts of interest.

Signature

Signature*

Signature*

Print name/date

Print name/date

If you have any questions, please contact:

David Abelson

Executive Director, Rocky Flats Stewardship Council (303) 412-1200

dabelson@rockyflatssc.org

^{*}If you are submitting the application on behalf of an organization, both the Director and one Alternate Director must sign the application.

Affachments don 11.5. Widdowfield

Time Commitment

I have no time constraints as I am retired. During this last almost two years, I have taken the time to be involved with all of the council meetings as well as some of the special meetings held by DOE and the City and County of Broomfield. I have also been reading all of the reports and papers regarding the proposed changes to the Central Operating Unit and the arguments against those changes. I have also spent time with my neighbors and other acquaintances and business people that I deal with most every day. As I talk with these people I try to explain what has happened with Rocky Flats during the years of closure, cleanup and where it stands now. I also ask them if they have any concerns about the plant closure, contamination or how it should be operated. Most of them do not have enough information or knowledge of the plant to understand it. So I try to explain it to them in laymen words to help them become familiar with its status. Or sometimes I confirm what they know or correct their misconceptions.

Assignment of Director and Alternate Director(s)

I will be the Director as an individual. I will not have an Alternate Director.

A short bio:

Born in Chicago, Illinois

Lived in twelve cities East of the Mississippi before I was 12 years old (due to WWII) and move to Wheat Ridge, CO in 1948

Graduated from Wheat Ridge High School 1955

I do not have a college degree but have enough hours for one, however, they range from engineering (mostly), estimating, construction management to construction law. I do not have the English credits or other such basic requirements for a degree.

I have three years of military service and have worked many different jobs, especially construction until I began my own Engineering/Construction company in 1968.

Statement of Interest

I've lived in Jefferson County since 1948. My father, an Electrical Engineer, worked as a consultant for Rocky Flats during initial planning and construction as he already had a clearance for the Navy. He could never tell me what he was doing and that tweaked my interest. I worked on some non-classified areas of the plant as a construction worker and then as a contractor. I have enjoyed learning a lot more about the Rocky Flats Nuclear Weapons Plant during this past two years and wish to continue to serve with the Stewardship Council.

I was in the Rotary Club of Lakewood for 31 years and served as secretary, vice president and president. I also served on the Board of Directors for a few years. I was also on the Rotary District Board of Directors for Colorado, Wyoming and part of Nebraska for a period 4 years.

Page One

Statement of Interest - continued

I was a member of the Rotary International Youth Exchange Committee for seven years and was the Chairman for four of those years. I was one of three founders of the Rotary Youth Leadership Award Conference which celebrated its twenty fifth year about a month ago. I have been a volunteer for National Western Stock Show (18 years), Red Cross (4 years) and many other smaller organizations.

I have not missed any of the council meetings and have attended a few of DOE meetings during the last two years. I will continue to help educate the people that I know and meet about the Rocky Flats Facility, its cleanup and its future. I would like very much to continue to serve.

Page Two

Rocky Flats Cold War Museum

ROCKY FLATS STEWARDSHIP COUNCIL

P.O. Box 17670 Boulder, CO 80308-0670 www.rockyflatssc.org (303) 412-1200 (303) 600-7773 (f)

Jefferson County -- Boulder County -- City and County of Broomfield -- City of Arvada -- City of Boulder
City of Golden -- City of Northglenn -- City of Westminster -- Town of Superior
League of Women Voters -- Rocky Flats Cold War Museum -- Rocky Flats Homesteaders
Arthur Widdowfield

Rocky Flats Stewardship Council Membership Application

Background

The Rocky Flats Stewardship Council formed in February 2006 to provide ongoing local government and community oversight of the post-closure management of Rocky Flats, the former nuclear weapons plant northwest of Denver.

The nearly \$7 billion cleanup project was completed in October 2005 and represents an important legacy for our communities. Cleanup significantly reduced the many risks posed by the former weapons site. There are, however, ongoing management needs that remain vital to ensuring long-term protection of human health and the environment. Those responsibilities lie with the Department of Energy (DOE). In June 2007, DOE transferred 3953 acres of the former site buffer zone to the Department of the Interior to manage as the Rocky Flats National Wildlife Refuge.

The Stewardship Council's mandate is found in federal law. In late 2004, the United States Congress, working with the Department of Energy and our predecessor organization, the Rocky Flats Coalition of Local Governments, approved legislation creating a new organization to focus on the post-closure care and management of Rocky Flats. This organization, the Rocky Flats Stewardship Council, includes elected officials from nine municipal governments neighboring Rocky Flats, three community organizations and one individual.

In addition to working with DOE, the Environmental Protection Agency and the Colorado Department of Public Health and Environment, the Stewardship Council will also work with the United States Fish and Wildlife Service on issues related to the management of the Rocky Flats National Wildlife Refuge.

Membership

There is no single formula for determining which non-elected officials should serve on the Stewardship Council. In determining membership, the Stewardship Council and DOE have committed to balancing those with knowledge of Rocky Flats with adding new perspectives and engaging constituencies not traditionally engaged on Rocky Flats issues, including non-elected

officials who represent organizations or individuals who have experience or skills that would benefit the Stewardship Council.

In 2005 following the passage of federal legislation that enabled the establishment of the Stewardship Council, DOE identified the following characteristics that could serve to guide membership:

- 1. Impacted by and interested in a majority of the scope topic areas of the Stewardship Council
- 2. Willingness to invest time and energy on all of the topic areas
- 3. Some familiarity with Rocky Flats history, the cleanup process, etc.
- 4. Represent a broad constituency with a wide diversity of viewpoints
- 5. Bring new ideas to the table

In developing a broad constituency, there are various potential membership categories:

- 1. Academic institution
- 2. Business
- 3. Former Rocky Flats worker
- 4. Historic preservation
- 5. Landowner/asset holder
- 6. Public interest/environmental group
- 7. Student
- 8. Technical expertise
- 9. Other

Application Deadline: Tuesday October 18, 2011 (fax, email and mail only)

Applicant Information

Name: Shirley Garcia

Name of organization represented (if applicable): Rocky Flats Cold War Museum

Address: 5612 Yukon St, Arvada Colorado 80002

Telephone: 303.438.6329 for Director, 720.287.1717 for RFCWM office

Fax: 303.438.6234

Email: sgarcia@broomfield.org

Title (if applicable): Rocky Flats Cold War Museum

Membership category: Historical preservation

Number of individuals/groups your organization represents:

The Rocky flats Cold War Museum board consists of 10 board members who include former Rocky Flats workers, former Colorado Department of Public Health and Environment staff, Rocky Flats activist, environmental scientist and approximately twenty-five volunteers.

Time Commitment

Members can be expected to spend 5-10 hours per month working on Stewardship Council issues including participating in 5-6 Board meetings per year. Members who lack a solid foundation on Rocky Flats issues will likely need to spend time developing a strong foundation on the history of the site and the cleanup, and long-term goals for the site. How much time will you/your organization be able to commit towards this effort? Are there any time constraints you/your organization will/may face? Please explain.

There will be no issues associated with time commitments. The Director will be available during day or evening meetings.

Assignment of Director and Alternate Director(s)

Meeting attendance is vitally important so each organization must be able to appoint a Director and up to two Alternate Directors to serve in the absence of the Director. If you are applying on behalf of an organization, who will serve as the designated Director and the designated Alternate Director(s)? Please attach a short bio for the Director and Alternate Director(s). (Persons applying for membership as individuals, not representing a category or organization, are not permitted to appoint Alternate Directors to serve on their behalf, but please attach a short bio.)

Shirley Garcia, Director Ann Lockhart, Alternate Director

Shirley Garcia, Director

Shirley Garcia is the Environmental Services Coordinator for the City & County of Broomfield. Shirley is responsible for reviewing and commenting on reports and/or documents generated by DOE. She evaluates DOE's operations at the Rocky Flats site. She has almost fifteen years of experience working at the Rocky Flats site and almost three years experience working at a DOE CERCLA remediation site as the Compliance Contact in Utah. Shirley has served as the Vice-President of the Rocky Flats Cold War Museum (RFCWM) for two years and as President for the last two years for the RFCWM. She has taught Environmental Science, college Algebra, Speech, and Strategies for Success classes at a local college. Shirley is responsible for solid waste management and compliance activities for the City and County of Broomfield. She also oversees the environmental education program for Broomfield. She is the current Vice-chair of the Recourse Conservation Advisory Board, serves on the Governor's Pollution Prevention Advisory Board Assistance Committee and is a Certified Hazardous Material Manager. Shirley works with inner city youth and teaches ESL children's classes on the weekend. Shirley has a B.S. in Environmental Science and a M.S. in Environmental Management and Regulatory Compliance.

Ann J. Lockhart, Alternate Director

Ann Lockhart was the public relations director of the Colorado Department of Public Health and Environment in the 1980's. Ann was on the department's Rocky Flats Historical Public Exposure Studies team in the 1990s, where she focused on communicating the potential off-site health impacts from the former nuclear weapons plant's toxic emissions via a newsletter, technical topic papers, fact sheets, talking to concerned citizens and sponsoring a speaker's bureau. After early retirement, she started Eagle Eye Edition to do part-time writing and editing. She is a founding member of the Rocky Flats Cold War Museum Board. She is the current President, was a previous President and Secretary of the organization. She currently is the chair of the Oral History committee and Communication committee. Ann is responsible for starting and drafting an outline museum newsletter and also serves on the Education Committee. She has taught high school English and journalism and later taught University of Phoenix classes: Writing for the Professions, Public Relation an Environmental Issue and Public Relations. She worked for the Sentinel suburban newspapers in Arvada and Wheat Ridge and edited the University of Colorado Health Sciences Center newspaper. Ann has a B.A. in English from the University of Iowa and an M.S.S. in Applied Communication form the University of Denver. A long-time Toastmaster, she's also been active in the National Federation of Press Women.

Statement of Interest

Please write a statement explaining your organization's interest (or personal interest if you are applying as an individual) in serving on the Stewardship Council. Please discuss any relevant experience, education, expertise, or special skills you or your organization has that would serve the Stewardship Council's mission, including any work experience on Rocky Flats issues. If you are an individual please list any relevant experience you have in serving on boards or commissions, and if you represent an organization or category of interest, please include a short explanation of what your organization hopes to accomplish in serving on the Stewardship Council. Please also explain your membership category.

- 1. Historic Preservation: The RFCWM has a focused interest in preserving the history of the former Rocky Flats Nuclear Weapons Plant. The board has saved thousands of artifacts as well as oral histories of more than 100 former workers, activists, government regulators and political leaders. The artifacts will be utilized for exhibits and education material in our facility, which is scheduled for opening in the summer/fall of 2012.
- 2. Our vision is to preserve the historic impact of Rocky Flats at the local, state, regional, national and world-wide level.
- 3. The Rocky Flats Cold War Museum is focused towards looking towards the future to preserve the historical aspect of the Rocky Flats Plant and reflect the views of the plant in context of today's views and era.
- 4. The museum board received funding by the DOE to design and convey an exhibit reflecting historical activities of the Rocky Flats Site. The funding has allowed us to lease a facility and hire an exhibit designer to prepare for our opening in summer/fall of 2012.
- 5. The Federal government, which owned and operated the Rock Flats Nuclear Weapons Plant for more than 50 years, has a significant reasonability in preserving the unique

- history of the plant. Rocky Flats plays an integral role in the Cold War and also had a significant effect on nearby suburbs and the entire Denver metropolitan area. The story still continues with activities at Rocky Flats and at other DOE facilities. Our experience will be used to facilitate preserving the history of the DOE facilities that have gone through closure or played a part in the Cold War era.
- 6. The organization has compiled over 100 Oral Histories of Rocky Flats participants to preserve their personnel stories of activities at the site. The RFCWM will strive to preserve additional Oral Histories as additional funding is available.
- 7. The Rocky Flats Cold War Museum has been identified in the Fish and Wildlife Services' Comprehensive Conservation Plan (CCP) as the entity the service will work with to identify language to reflect the historical aspect of the site on signage to be placed at the Rock Flats Refuge. With the scope of the RFCWM biding to preserve the history of Rocky Flats at all levels, we are charged to reflect the historical views of the workers, communities, regulators, government, activists and other impacted members.
- 8. The Rocky Flats Cold War Museum board includes members with extensive and diverse knowledge of the Rock Flats Plant operations and closure operations. The museum board includes former Rocky Flats workers, former activists, scientist, consultants, community members, former government workers involved with Rocky Flats and staff from nearby government communities.
- 9. The organization has compiled an extensive list of various contacts and volunteers. The RFCWM has partnered with other organizations that have extensive knowledge of the various aspects of the site and plant history.
- 10. The Board's desire is to also partner with the surrounding governments of the Rocky Flats site to preserve their historic role, their current role and future role of the impact Rocky Flats had on their community.

Conflict of Interest Statement

In the interest of maintaining public trust and accountability, organizations and individuals who have a conflict of interest or a potential conflict of interest must identify any such conflicts. "Conflict of interest" is broadly defined as (1) having a direct financial interest in any issue related to the management of Rocky Flats and/or (2) currently being engaged in a lawsuit against the Department of Energy, the Department of the Interior, Jefferson County, Boulder County, the City and County of Broomfield, the cities of Arvada, Boulder, Golden, Northglenn and Westminster, and the Town of Superior. Any such conflicts must be listed below.

There are no conflicts.

Signature, Director

Ann J. Lockhart
Signature, Alternate Director

Ann T. Lockhart 9-26-11 Print name/date

*If you are submitting the application on behalf of an organization, both the Director and one Alternate Director must sign the application.

If you have any questions, please contact: David Abelson Executive Director, Rocky Flats Stewardship Council (303) 412-1200 dabelson@rockyflatssc.org