EG&G ROCKY FLATS
Rocky Flats Plant
P O Box 464
Golden CO 80402 0464

BULK RATE
U S POSTAGE
PAID
GOLDEN CO
Permit No 198

UPDATE

Environmental Management

December/January 93 94

EG&G ROCKY FLATS

WASTE MANAGEMENT Planning for Tomorrow

Waste Management Planning Program Formed

The Comprehensive Waste Management Planning Program has been formed to address existing waste management concerns and ensure that adequate facilities are available to support the new site mission well into the future The primary objective of this program is to develop the *Comprehensive Waste Management Plan*

This plan will address existing treatment storage and disposal requirements for wastes generated at Rocky Flats and develop alternative strategies for managing these wastes in compliance with applicable requirements It will also project storage and disposal capabilities and requirements for future waste generation

In addition this plan marks the first attempt to bring together waste management needs for all plant programs and to work together in identifying priorities extending out over the next twenty years

As part of the change in mission buildings containing gloveboxes such as those shown here will need to be treated as waste

Transition and Waste Management

Rocky Flats has been in transition for more than a year now with a mission focusing on environmental

Continued on page 2

515 BARRIERS RECENTLY IDENTIFIED

Rocky Flats was once again the subject of an extensive review only this time in conjunction with the entire Department of Energy complex The Department of Energy Office of Environmental Restoration and Waste Management recently conducted a study of Environmental Management project performance across the complex focusing on environmental remediation and waste management projects This comprehensive study was intended to measure the current status of the Environmental Management project system and to provide a baseline for measuring improvement

Room For Improvement

The scope of the study covered project development and execution from project definition through the completion of construction These

Continued on page 6

in this issue

Waste Management ... 1
Barriers Identified ... 1
What is InfoSource? ... 2
Waste Ships to Nevada ... [illegible]
[illegible]
[illegible]
[illegible]

ADMIN RECORD

P A-SW 000304

DOCUMENT CLASSIFICATION
REVIEW WAIVER PER
CLASSIFICATION OFFICE

Waste Management *Continued from page 1*

restoration waste management and planning for alternate uses Although the site is no longer a production facility the new mission has some ambitious goals and will continue well into the next century

As a result of production activities over the past forty years Rocky Flats currently manages the largest number of regulated waste storage units in all of Colorado This includes radioactive hazardous mixed (those containing both radioactive and hazardous constituents) and sanitary wastes Each waste category carries its own set of storage treatment and disposal requirements

In addition to the current inventory wastes will be generated in the future as a result of building surveillance and maintenance cleanup activities building deactivation and residue treatment These too must be managed according to regulations established by the Atomic Energy Act the Resource Conservation and Recovery Act and the Solid Waste Disposal Act

Developing A Plan

Developing a comprehensive waste plan is no easy task since a number of other major efforts must be involved in the planning process For example Special Nuclear Material consolidation is an ongoing process and until a final decision is made regarding ultimate disposition of these materials facilities must be identified and set aside at the plant to effectively manage and store these materials

As part of this effort technology development is moving along at a rapid pace in an effort to identify develop and test technologies for both cleanup and waste management Projects like polymer encapsulation or microwave solidification require state of the art laboratory space and analytical support to continue their research efforts

Economic conversion is yet another option in the site s future Which facilities have potential for commercialization and should it occur? A pilot project is just beginning at Rocky Flats to determine the feasibility of commercialization of several buildings

Good Management

Addressing all these issues is an essential part of good management for today and tomorrow The Comprehensive Waste Management Planning Program has established a team to bring together representatives of major site programs The team is working together to develop a number of waste management options which will then be evaluated against criteria such as cost schedule risk analysis and regulatory requirements The end result will be a plan with a recommended course of action to address all competing interests

Future Direction

The initial *Comprehensive Waste Management Plan* will be delivered to the Colorado Department of Health on October 1 1994 and will focus on waste storage needs However this will be an evolving document that will be regularly updated to address the changing face of Rocky Flats

EG&G Community Relations and technical managers will be providing information to the community as the plan develops and opportunities will be announced for public participation in this effort In the meantime if you would like additional details please contact Carla Sanda

EG&G Community Relations
PO Box 464 Bldg T30F
Golden CO 80402 0464
Phone (303) 966 2011
Fax (303) 966 6153

Environmental Management

Published by EG&G Rocky Flats Inc
Community Relations
P O Box 464 Golden CO 80402 0464
Writer/Editor Toni Moore 966 6616
Graphics and Layout Carol Robinson

InfoSource

What is InfoSource?

Rocky Flats Public InfoSource is a pilot project set up by EG&G Environmental Restoration Management Program Integration and Reporting and EG&G Community Relations at the request of the Department of Energy Rocky Flats Office This system allows you to electronically connect to a variety of information sources The current contents include

- Index of documents in the Rocky Flats Reading Room located in the Front Range Community College Library
- Listing of Community Relations personnel and their telephone numbers
- Listing of metro area information repositories and reading rooms
- Listing of other government bulletin board systems
- Listing of upcoming public meetings and various documents concerning the environmental restoration of Rocky Flats Plant

How Do I Connect?

If you already access other computers calling and connecting to InfoSource is easy To connect all you need is a personal computer and a modem Use your communications software package to dial InfoSource at (303) 966 9103 then set your system to the following

Parity = NONE
Data Bits = 8
Stop Bit = 1 or N 8 1

Next set your terminal emulation to ANSI and VT 100 and set the modem speed at 300 to 9600 baud You can

Continued on page 5

UPCOMING PUBLIC MEETINGS

March 15 Health Advisory Panel Technical Work Session Contact Ann Lockhart 692 2640
8 30 a m 4 00 p m location to be determined

March 16 Health Advisory Panel Technical Work Session Contact Ann Lockhart 692 2640
8 30 a m 3 15 p m location to be determined

March 16 Health Advisory Panel Technical Work Session Contact Ann Lockhart 692 2640
7 00 p m Ramada Hotel (tentative)

March 17 Health Advisory Panel Technical Work Session Contact Ann Lockhart 692 2640
8 30 a m noon location to be determined

March 23 Quarterly Environmental Restoration Meeting Contact Toni Moore 966 6616
7 00 p m 9 00 p m Denver Marriott West 1717 Denver West Marriott Blvd Golden

March 29 Environmental Surveillance Exchange of Information Meeting Contact Pat Etchart 966 6428
1 30 p m Broomfield City Council Chamber No 6 Garden Office Center Broomfield

Public Invited to Use Reading Rooms

The following reading rooms contain current information technical reports and reference documents on environmental restoration at the Rocky Flats Plant

Rocky Flats Plant Reading Room
Front Range Community College Library
3645 West 112th Avenue
Level B Center of Building
Westminster Colorado 80030
(303) 469 4435
Hours
Monday Tuesday 10 30 am 6 30 pm
Wednesday 10 30 am 4 00 pm
Thursday Friday 8 00 am 4 00 pm

Citizen s Advisory Board
1536 Cole Boulevard Suite 325
Denver West Office Park Building 4
Golden Colorado 80401
(303) 232 1966
Hours
Monday Friday 8 30 am 5 00 pm

EPA Superfund Records Center
999 18th Street Suite 500
Denver Colorado 80202 2405
(303) 293 1807
Hours
Monday Friday 8 00 am 4 30 pm

Colorado Department of Health
Hazardous Materials and Waste Management Division
4300 Cherry Creek Drive South
Bldg A
Denver Colorado 80222 1530
(303) 692 3312
Hours
Monday Friday 8 00 am 5 00 pm

Standley Lake Library
8485 Kipling Street
Arvada Colorado 80005
(303) 423 4600
Hours
Monday Friday 10 00 am 9 00 pm
Friday Saturday 10 00 am 5 00 pm
Sunday 12 00 pm 5 00 pm

United States Department of Energy
Freedom of Information and Privacy Branch Office
1000 Independence Avenue S W
Washington D C 20585
(202) 586 6025
Hours
Monday Friday 9 00 am 4 00 pm
(Eastern Time Zone)

Information Repository

arriers Continued from page 1

ıeasurements were then compared to ımılar projects from other government gencies and the private sector The esult an overall determination that on he average DOE EM projects ncluding the 881 Hillside at Rocky Flats have experienced poorer performance than remediatı on projects ın other government and commercial sectors The analysis presented on November 30 1993 ıdentifie l the following

- DOE costs for equivalent work ıs higher than ındustry norms
- DOE · higher costs are a function of high project management costs and project system practices
- Cost growth ın DOE projects ıs a result of poor project definition and obt ınıng r gulatory agreement

Stand Down Ordered

As a result of this study Thomas Grumbly Assistant Secretary of Environmental Management at the Department of Energy ınıtıated a complex wide stand down January 26 27 1994 The purpose of this stand down was to ıdentıfy way to ımprove the environmental project management system by finding solutions to performance barriers ın the current syst m The primary t arget area for ımpr ovement are

- Cost effectivene
- Efficiency
- Framew ork for measuring monitoring and controlling Environmental Management project
- Identification of appropriate contracting mechanı ms
- Improved Department of En ergy ability to carry out project management functions
- Communication ınd stakeholder ınvolvement ın the Environmental Management project process

Phase I of this ınıtıative was a brainstorming session January 18 1994 with employees from the Department of Energy Rocky Flats Office Rocky Flats site the Env r onmental Protection Agency the Colorado Department of Health and community stakeholders to ıdentıfy barriers to successful environmental project management The brainstorming e sion resulted ın the ıdentification of 515 barriers to project success

Phase II was the January 26 27 1994 stand down ın which participants analyzed the b arriers ıdentified during the brainstorming session proposed solutions ınd created proposed action plans

Real Work to Begin

The major challenge facing R ocky Flats will be to effectively ımplement the action plans established during the st ınd down Activitie included are

- Establishing specific perform ance measurements to ensure that we are on track to success ınd that we meet the goals of the Assistant Secretary
- Developing a validation system to ensure that the action plans adequately address and resolve the performance ıssue
- Transferring the techniques and lessons learned from construction projects to address broader program activities

In the end the techniques that lead to project success at Rocky Flats will be transferable to the operation and closure of operable units dec ommissioning activities and determination and resolution of site release level ıssues

For more ınformation regarding the Department of Energy stand down please contact Toni Moore of EG&G Community Relations 966 6616

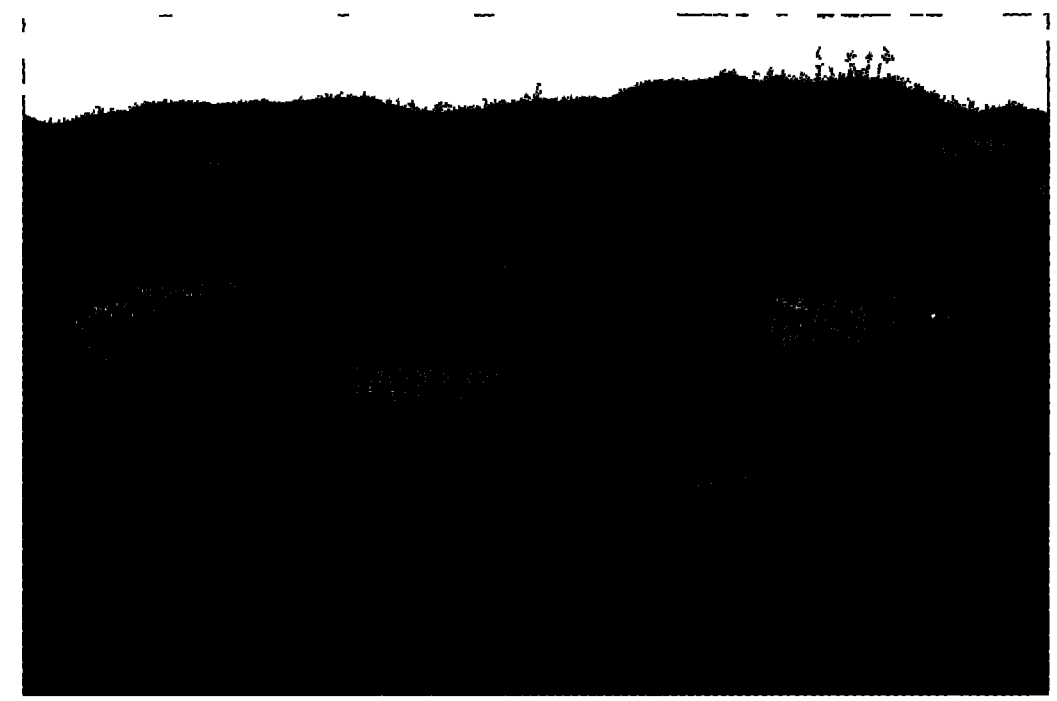
Coming Next Issue:

Status on Operable Unit 4 Solar Evaporator Ponds Where are we now? Status of sludge removal from the ponds and the upcoming public comment period

- Update on Operable Unit 16 Low Priority Sites Proposed Plan Public comment period has ended The next step Record of Decision
- Mixed Waste Symposium to be held ın Denver Colorado Ever wonder what various ıncıneratıon and thermal treatment options are being considered for clean up and waste management at not only Rocky Flats but throughout the Department of Energy complex?
- Regular features ıncludıng the Interagency Agreement Update and Upcoming Public Meetings

Waste Shipments to Nevada Test Site Resume

U S Dep artment of Energy Rocky Flat ite began hipping low level radioactive waste to the Nevada Test Site the week of February 14 1994 for disposal (see August/ September 1993 ıssue for previ ous report) These shipments are expected to occur monthly and last for several year



Nevada Test Site storage area Shipments of straight low level radioactive waste from Rocky Flats begins February 1994

What ıs Low Level Waste?

Low level waste ıs defined a containıng up to 100 nanocurıes (bıllıonths of a curıe) of radıoactıvıty per gram of waste The total radıoactıvıty for the first shipment to the Nevada Test Site will reach ab ut 10 n anocurie This low level waste could ınclude paper clothıng tools and glassware th at ha been contaminated throughout buildıng operations and processes

Th is an ımportant mılestone for the site Offsite di posal of the e low level waste is vital to the site s ongoıng environmental cleanup efforts aıd Tım Hedahl EG&G Rocky Flats Associate General Man ıger for Environmental and Waste Management Permission to re ume shipments of low level waste follows an extensıve succe sful review of our procedures waste characterization activities and management ystems

First Shipment

The first shipment of waste was sent ın two trucks containıng a total of 104 drums of waste from Buildıng 707 Subsequent shipments may pos ıbly ınvolve waste from ome 20 different buildings on site Rocky Flats has been authorized to ship ten categories of low level waste which ınclude dry combustıbles lıght metal wet combustıbles ınsulatıon plastic glass prefilters benelex and plexıgla

Low level waste m akes up more than half of the radıoactıve wa te generated at Rocky Flat Waste shipments to Nevada were uspended after a July 1990 audit Low level waste shipments from Buildıng 559 resumed ın June 1992 Last fall the site passed a ubsequent audit ındıcatıng that the site had met the strıct requirement to re ume shipments to the disposal ite Final authorızatıon for the e shipment wa received ın late J ınuary

Evaluation Certification Accountability

The Nevada Te t Site audit ev aluated several are ıs of the site s comprehen ive waste certification and ch aracterization program ınclude ın pection and calibration procedures and the pr ocess for handlıng trackıng and preparation of the waste packages for hipment

An accou ıtab l ty y tem is ın place that holds Rocky Fl ıts and the c ommercial carrier tran porting the waste re ponsible until the shipment reache Nevada The shipments are che ked prior to departure from Rocky Flats and once again upon arrival at the Nevad a Te t Site

FEEDBACK

Let us know what you think about this Update

Fax or mail your comments questions or suggestions to

FAX (303) 966 6153

Toni Moore
EG&G Rocky Flats
Community Relations
P O Box 464
Building T130F
Golden Colorado
80402-0464

IA Update

Step 1 Completed: Development of 22 Draft Principles

On February 2 1994 the Department of Energy the Colorado Department of Health and the Environmental Protection Agency came together at a public meeting to present discuss and accept comments from the general public on the 22 draft principles affecting the re-evaluation of the Interagency Agreement at the Rocky Flats site

The current Interagency Agreement was signed in January 1991 under the old plant mission of production and with scarce environmental data Since that time the mission of the plant has drastically changed and more environmental information is readily available It is for these reasons that the Department of Energy requested a review of the Interagency Agreement

Throughout the re-evaluation of the agreement there will be various opportunities for the public to become involved in the process Information will be made available through the newsletter and advertisements of public meetings in the *Rocky Mountain News* the *Denver Post* and the *Boulder Daily Camera*

For more information regarding the Interagency Agreement re-evaluation please contact Toni Moore of EG&G Community Relations 966 6616

Draft Principles

1 Negotiations will work toward an IA that considers the mission of Rocky Flats which is Manage waste and materials clean up and convert the Rocky Flats site to beneficial use in a manner that is safe environmentally and socially responsible physically secure and cost effective

2 Within the scope of the agreement control of higher risks will be given priority emphasizing and ensuring public and worker health and safety and environmental protection

3 The IA will remain essentially a remediation document However any issues that have the potential to impede the cleanup of the plant will be subject to negotiations

4 A revised agreement must define and reflect a firm commitment by DOE to implement the agreement a firm fiscal commitment direct and meaningful CDH and EPA involvement in the budget development process and specified management improvements Any revised or new schedule must be coordinated with firm DOE fiscal commitments

5 The three principals (EPA Regional Administrator Director for the Office of Environmental Colorado Department of Health and Rocky Flats Manager) enter IA negotiations with the same level of authority that binds their respective agencies

6 The public will be involved in identifying areas within the present agreement in need of improvement and in setting goals for a revised cleanup approach at Rocky Flats Increased stakeholder involvement in the work scope development prioritization schedule and budget process is required to develop an understanding of the public's desires The Citizens Advisory Board should be utilized to coordinate stakeholder involvement such as creation of a focus group encompassing all interested community groups

7 Planning assumptions must be agreed upon by all parties Comprehensive work scope schedule and cost estimates will be the basis for schedule discussions and milestone establishment in the IA Regulators will be meaningfully involved in the development of the scope schedules and costs associated with IA implementation

8 The agreement should allow flexibility to accomplish efficient cleanup at Rocky Flats It must remain an effective enforcement vehicle Negotiations should accommodate flexibility while retaining some milestone schedule framework

9 The issues identified by the Quality Action Team (QAT) must have action plans and schedules for resolution prior to negotiations All parties recognize that early efforts on these issues will facilitate effective and efficient negotiations

10 The agreement should allow the opportunity for involvement by CDH and EPA in formal controls including formal baseline change control processes

11 Recognizing that future site use and cleanup are closely intertwined risk assessment and risk management will be appropriately considered during negotiations

12 A revised agreement should define an improved and accelerated cleanup program at Rocky Flats New streamlined processes should be used wherever possible

13 The Rocky Flats Plant is a National Priority List site subject to CERCLA and RCRA and

Continued on page 5

IA Update Continued from page 4

therefore it is recognized that the scope of this agreement will increase The degree and extent of how the RCRA and CERCLA processes are applied to specific buildings structures materials and equipment will be subject to negotiations

14 Prior to negotiation of revised schedules and milestones procedures and regulations applicable to the activities covered by the agreement will be reviewed by DOE with the ultimate goal of achieving consensus among the parties regarding the elimination of those that add no value or unnecessarily delay the clean up process This review process will be conducted with participation of regulatory agencies and stakeholders

15 The goal for the IA negotiations is not to exceed 4 months However it will allow adequate time for public involvement and all three agencies are committed to taking enough time to negotiate an effective IA

16 Waste storage issues including a schedule for expansion of permitted interim waste storage must be resolved prior to negotiating revised schedules and milestones

17 EG&G or current contractors must be held accountable to all parties for implementing the revised agreement

18 Long term storage of off site waste will not be allowed at the Rocky Flats Plant except as specifically approved by CDH and EPA through orders permits or agreements such as those pursuant to Federal Facility Compliance Act requirements The use of limited quantities of wastes from other sites for technology development will be subject to CDH and EPA approval

19 The existing IAG will remain in effect including all procedural and penalty components until specifically superseded by a revised and executed final IA During the negotiation period EPA and CDH may continue to assess stipulated penalties within terms of the present agreement and DOE may dispute such assessment pursuant to the IA

20 DOE must continue to conduct necessary inspections of all radioactive hazardous and mixed waste stored at Rocky Flats Plant to assure safety and proper management Any issues regarding the proper management of mixed residues will be addressed in accordance with the appropriate provisions of the Residue Agreements

21 D&D transition economic development and waste management all potentially impact successful implementation of the IA A common understanding of the concepts and impacts must be established at the beginning of negotiations

22 Interim relief for DOE on milestone schedules and other compliance issues related to the IA must be accompanied by DOE schedule commitments on short and long term issues such as full compliance with RCRA and CHWA cleanup removal of stored waste from Rocky Flats site decommissioning completion etc DOE must affirm the Administration's commitment to requesting full funding for the IA requirements after the interim relief period (2 3 years) *

* NOTE DOE Rocky Flats Office must discuss this principle with DOE headquarters before agreement can be attained

InfoSource Tech Continued from page 2

use whichever communications software you prefer as long as it allows N 8 1 line settings If you are unsure about your software compatibility consult your computer and communications software manuals

After you have connected to InfoSource the first screen will ask new users to sign in InfoSource will ask a few questions and optional information If you are using a Macintosh computer answer NO to ANSI graphics and for MS DOS users answer NO to color menus This will allow the screens to scroll faster Whether using a Macintosh or MS DOS system you will receive the same quality of service

Taking Part

After you have had an opportunity to explore InfoSource please send comments questions problems or suggestions about InfoSource via E Mail to the Project Administrator Sivia Rosenberg We are especially interested in hearing what additional features you would like to see on InfoSource To request specific documents or information a request form is available on the Bulletin Board System for download

If you have technical problems or questions please leave an E Mail message on InfoSource to the System Operator (SYSOP) Calvin Cline If you have questions about Rocky Flats please call Community Relations at (303) 966 5754

We hope that you find InfoSource useful and look forward to your input