



Colorado Department
of Public Health
and Environment

OPERATION AND MAINTENANCE INSPECTION

Conducted by
Colorado Department of Public Health & Environment
June 22, 2010

Rocky Flats Site
EPA I.D. No. CO7890010526

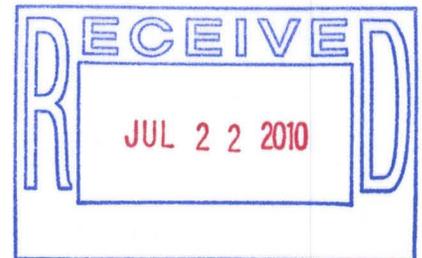
Background

The purpose of this inspection was to observe the methods and procedures for sampling groundwater wells at the Rocky Flats Site. Inspections are conducted on a triennial schedule as required by RCRA inspection national core program requirements for Land Disposal Facilities, which the Colorado Department of Public Health and Environment has agreed to implement in a CDPHE/EPA RCRA Hazardous Waste Program Memorandum of Agreement (September 11, 2000). Groundwater sampling is conducted at Rocky Flats according to the general monitoring requirements in Attachment 2 of the *Rocky Flats Legacy Management Agreement* and to the specific sampling criteria in the *Rocky Flats Site Operations Guide*.

During this inspection, sampling was observed at Well 00193, an Area of Concern (AOC) well upgradient of Pond C-2 in the Woman Creek drainage. Carl Spreng was the inspector for the Colorado Department of Public Health & Environment; John Boylan of S.M. Stoller was site representative; Chaz Gunning, Michelle Hanson, and Casey Michalski of S.M. Stoller were the samplers. The weather was clear and sunny with an air temperature about 75° F.

Well No. 00193 (AOC well)

- Monitoring/sampling began at about 10:30 AM using a dedicated peristaltic pump and tubing.
- The following field parameters were measured and recorded:
 - Water level (feet)
 - Water temperature (°C)
 - Turbidity (NTU)
 - Specific conductivity ($\mu\text{mhos/cm}$)
 - pH (s.u.)
 - Total alkalinity (mg/L CaCO_3)
- Observed water samples being collected for laboratory analyses of VOCs and uranium.



ADMIN RECORD

- Special protocols for low-volume wells were followed. Typically wells are pumped and up to 3 well volumes purged (or until parameters and well volume stabilized). In the case of low-volume wells, initial samples are taken from the water first pumped to the surface. If the well recovers enough to be purged, then post-purge samples are taken and the initial samples are discarded. Purge water is collected and disposed of at one of the Site's water treatment systems designed to treat the well-specific contaminants of concern. Due to lack of volume, initial samples were retained for analysis at this well.

Summary of Findings

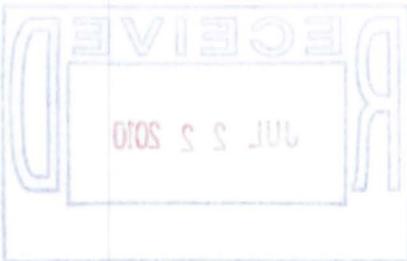
All field measurement and sample handling procedures were conducted in accordance with approved monitoring requirements in the *Rocky Flats Legacy Management Agreement*, and with the quality assurance and quality control requirements in the *Legacy Management CERCLA Sites Quality Assurance Project Plan* and in current EPA guidance.

Carl Spreng

CDPHE Inspector [Carl Spreng]

6/28/10

Date [June 28, 2010]



ADMIN RECORD

Colorado Department of Public Health and Environment
Hazardous Materials and Waste Management Division
 4300 Cherry Creek Drive South, Mail Code: HMWMD-CP-B2, Denver, Co 80246-1530
 (303) 692-3300

Notice of Inspection

Facility Name <i>Rocky Flats Site</i>		EPA I.D.# <i>CO 7890010526</i>	Date <i>6/22/10</i>
Street <i>11025 Dover St., Ste. 1000</i>		Inspection Arranged Prior to Inspection <input checked="" type="checkbox"/> YES <input type="checkbox"/> NO	Hour In: <i>8:30 AM</i>
City <i>Westminster</i>	County <i>Jefferson</i>	Zip <i>80021</i>	Hour Out: <i>11:45 AM</i>
Facility Representatives <i>John Boylan, S.M. Stoller</i>		Titles	Telephone # <i>720-377-9678</i>
			Agency: <input checked="" type="checkbox"/> State <input type="checkbox"/> Oversight <input type="checkbox"/> Joint

CURRENT NOTIFICATION(S) LQG, SQG, Exempt, LDF, TSF, Transporter, Non-Notifier, Transfer facility or
 Other *Consent Order* **To Change Status; Facility must send Letter or Revised Notification.**

Comments:

Inspection conducted to fulfill the triennial requirement for an Operation and Maintenance Inspection at this facility. A summary of the inspection is attached.

Assistance Delivered During Inspection (for internal use - check ALL that apply):

Compliance Assistance:

Generator Handbook Field Assistance
 Other guidance documents Referral to another program
 Change in generator status downward upward

Pollution Prevention:

Guidance/Referral
 Field Assistance

Current Waste Minimization:

Product Substitution
 Distillation of solvents on site
 Elementary Neutralization
 Other

Samples, Documents, Plans, and / or Photos Collected	3
1.	
2.	4.

State personnel will review the facts established by this inspection. A final determination of your facility's compliance with State Regulations will be made as a result of this review. The review may reveal additional violations.

Receipt of this Notice of Inspection Form is Acknowledged	Lead Inspector: <i>Carl Spreng</i>
	Assisting Inspector(s) and Multimedia Participant(s)
Signature of Facility Representative	

6/27/10

Part 3
State Hazardous Waste Management Program

Colorado Department of Health
Authority to Conduct Inspections
25-15-301(3) C.R.S.

The Department, by its duly authorized representatives, shall have the power to enter and inspect any property, premises, or place in which hazardous waste is reasonably believed to be located or in which relevant records may be located for the purpose of determining the compliance or noncompliance with any provision of this part 3 [the State Hazardous Waste Management Program], any rules and regulations promulgated pursuant to this part 3, or term or condition thereof, issued pursuant to this part 3. Unless an emergency exists or the Department has reason to believe that any unlawful activity is being conducted or will be conducted, the Department shall provide prior notification of such inspection, which inspection shall be during normal business hours. If such entry or inspection is denied or not consented to and no emergency exists, the Department is empowered to and shall obtain from the district court for the judicial district in which such property, premises, or place is located a warrant to enter and inspect any such property, premises, or place prior to entry and inspection. The district courts of this state are empowered to issue such warrants upon a showing that such entry and inspection is required to verify that the purposes of this part 3 are being carried out. Any information relating to proprietary processes or methods of manufacture or production obtained in the course of the inspection shall be kept confidential in accordance with section 24-72-204(3)(a)(IV), C.R.S., of the open records law. If samples are taken, the permittee shall be entitled to a receipt for such sample and, upon request, a sufficient portion to perform an analysis equivalent to that which the Department may perform.