

**ERROL L. MONTGOMERY & ASSOCIATES, INC.**



**CONSULTANTS IN HYDROGEOLOGY**

1075 EAST FORT LOWELL ROAD, SUITE B  
TUCSON, ARIZONA 85719 (602)881-4912  
TELEX: 165597 MONTE TUC  
FAX: (602)881-1609

SFUND RECORDS CTR  
0222-91226

**SFUND RECORDS CTR  
88016949**

ERROL L. MONTGOMERY, P.G.  
J. W. HARSHBARGER, P.G., P.E.  
DONALD K. GREENE, P.E.  
WILLIAM R. VICTOR, P.G.  
EDWARD W. PEACOCK, P.G.  
RONALD H. DEWITT, P.G.  
MARK M. CROSS, P.G.  
DENNIS G. HALL, P.G.  
ANDREW A. MESSER, P.G.  
TODD KEAY, P.G.  
JAMES S. DAVIS, P.G.  
MICHAEL J. ROSKO, P.G.  
LAURA J. STRAUSS, P.G.

—  
**ARO739**

May 15, 1991

Thomas J. Dunkelman (H-7-2)  
Remedial Project Manager  
U. S. ENVIRONMENTAL PROTECTION AGENCY  
75 Hawthorne Street  
San Francisco, California 94105

**RE: MONTHLY PROGRESS REPORT NO. 39 - APRIL 1991**

Dear Mr. Dunkelman:

In accordance with Section VII.B.1 of the Administrative Consent Order (EPA Docket No. 88-08) for the Hassayampa Landfill Remedial Investigation / Feasibility Study (RI/FS), this Monthly Progress Report has been prepared for the reporting period from April 1-30, 1991. Two additional copies of Progress Report No. 39 are enclosed herewith.

**PROGRESS DURING REPORTING PERIOD**

Progress made during April 1991 chiefly included meetings regarding the draft Baseline Risk Assessment and field work at the landfill, and is summarized as follows:

1. Meetings of the Hassayampa Technical Work Group (TWG) were held on April 3 and 9 to discuss comments on the draft Risk Assessment submitted by the U. S. Environmental Protection Agency (EPA) for the hazardous waste area at the Hassayampa Landfill. The meetings were held in San Francisco at the offices of EPA Region 9.
2. On April 4, you telefaxed two letters to me. One letter documented EPA acceptance and approval of the final Remedial Investigation Report, dated February 7, 1991. The other letter documented EPA acceptance and approval for the scope of work given in my letter to you dated January 25, 1991.
3. On April 5, I sent you a tentative schedule for the field program for the Hassayampa project and additional telephone conversations have been held with you and Jackie Maye, of Arizona Department of Environmental Quality (ADEQ), to provide updated information on the field schedule.



4. On April 8, I sent you a letter summarizing the discussions held at the April 3 meeting regarding groundwater flow and transport modeling for the draft Risk Assessment.
5. On April 22, I sent you a letter giving the proposed scope for the additional soil borings and pesticide sampling requested by EPA for the hazardous waste area. This letter also contained a status report for the ongoing field program.
6. On April 23, you sent me a letter documenting EPA acceptance and approval of the scope of work given in my April 22 letter to you.
7. The field program for the landfill began on April 9. Unit B monitor well MW-6UB was constructed about 30 feet south from Unit A monitor well MW-6UA from April 9 through 13. Well MW-6UB was developed on April 13 and April 16, and a pumping test was conducted on April 23. Groundwater samples for laboratory chemical analyses were obtained from well MW-6UB during development operations and during the pumping test. In addition, a sample of the water used to drill well MW-6UB was obtained from the driller's water truck on April 15. Jackie Maye and Mike Leach, of ADEQ, observed construction operations for well MW-6UB on April 12. Jackie Maye also observed field operations on April 23.
8. Unit B monitor well MW-9UB was constructed about 118 feet southeast from well HS-2 from April 13 through 17. Well MW-9UB was developed on April 17, and a pumping test was conducted in May. Groundwater samples for laboratory chemical analyses were obtained from well MW-9UB during development operations.
9. Unit A monitor well MW-9UA was constructed about 87 feet southeast from well HS-2 from April 18 through April 25. Well MW-9UA was developed on April 25, and a pumping test was conducted in May. Groundwater samples for laboratory chemical analyses were obtained from well MW-9UA during development operations.
10. Unit A monitor well MW-10UA was constructed about 17 feet southwest from well HS-3 from April 25 through 29. Well MW-10UA was developed on April 28 and 29. Groundwater samples for laboratory chemical analyses were obtained from well MW-10UA during development operations.
11. Unit B monitor well MW-10UB was constructed about 16 feet southeast from well HS-3 from April 29 through May 2. Well MW-10UB was developed in May. No groundwater samples were obtained from well MW-10UB during April.
12. Soil boring SB-17 was drilled through Pit 3c on April 30 and May 1, and samples of the pit contents and underlying soils were obtained for laboratory chemical analyses. Soil boring SB-18 was drilled through



Pit 3b on May 1, and samples of the pit contents and underlying soils were obtained for laboratory chemical analyses. Soil boring SB-18 was drilled to a few feet below the base of Pit 3b. Jackie Maye and you observed soil boring operations on May 1.

13. Progress continued on the FS.

#### **NOTABLE RESULTS/EVENTS DURING REPORTING PERIOD**

The following revisions have been made to the distribution list for project deliverables: the address for Terry A. Thompson, the representative for AT&T, has changed; the law firm and address for G. Van Velsor Wolf has changed; and Elizabeth M. Powell has replaced Kevin Milliken. A revised distribution list is enclosed herewith.

#### **SUMMARY OF DELIVERABLES SUBMITTED DURING REPORTING PERIOD**

Deliverables scheduled to be submitted by Respondents under the Consent Order during April 1991 included: Progress Report No. 38, dated April 15; and the Data Submittal for March, dated April 30.

#### **WORK SCHEDULE DURING NEXT REPORTING PERIOD**

Work scheduled for May 1991 consists chiefly of:

1. A meeting will be scheduled between Jim Mathieu, of Montgomery & Associates, and Gordon Ballentine, of PRC Environmental Management, Inc., to discuss an analytical modeling approach for the second draft of the EPA Risk Assessment.
2. Montgomery & Associates will submit to EPA a draft summary of the results of the April 3 and 9 meetings of the TWG.
3. Work will continue for the field program. The soil gas survey is tentatively scheduled to begin on May 28. EPA and ADEQ have indicated that they have no interest in obtaining groundwater samples at the landfill until the next sampling round for well MW-6UB.
4. Continued work for the FS by the consultant team.
5. Preparation of the second draft of the EPA Risk Assessment by PRC.



**DELIVERABLES TO BE SUBMITTED DURING NEXT REPORTING PERIOD**

Deliverables scheduled to be submitted by the Respondents under the Consent Order during May 1991 include: Progress Report No. 39; and pertinent data obtained or received during April 1991. EPA comments, if necessary, on Progress Report No. 39 are due within 15 days after EPA receives the Progress Report.

If you have questions or require further discussion, please contact us.

Very truly yours,  
ERROL L. MONTGOMERY & ASSOCIATES, INC.

*William R. Victor*

William R. Victor

**SENT VIA FEDERAL EXPRESS**

Enclosures

cc:	Jackie Maye (3)	Lt. Col. Ray Swensen (1)	Carl C. Meier (1)
	Grant J. Gibson (3)	William J. Cheeseman (1)	Charles O. Geadelmann (1)
	James G. Derouin (2)	Roger K. Ferland (1)	G. S. Hagy (1)
	David Machlowitz (2)	Robert W. Hacker (1)	Cindy Lewis (1)
	David P. Kimball (2)	Alan Abbott (1)	G. Eugene Neil (1)
	Kim E. Williamson (2)	G. Van Velsor Wolf (1)	Stephen M. Quigley (1)
	Charles A. Bischoff (1)	Richard C. Keiffer (1)	Rod Whitten (1)
	Errol L. Montgomery (1)	Robert H. Brauer (1)	Louis C. Thanukos (1)
	Terry A. Thompson (1)	E. Powell / C. Case (1)	

**DISTRIBUTION LIST FOR DELIVERABLES  
HASSAYAMPA ADMINISTRATIVE CONSENT ORDER  
(as of May 9, 1991)**

**3 COPIES**

Thomas J. Dunkelman (H-7-2)  
Remedial Project Manager  
U.S. ENVIRONMENTAL PROTECTION AGENCY  
75 Hawthorne Street  
San Francisco, California 94105

Jackie Maye  
ARIZONA DEPARTMENT OF ENVIRONMENTAL  
QUALITY  
2005 North Central Avenue  
Phoenix, Arizona 85004

Grant J. Gibson  
ARIZONA DEPARTMENT OF WATER  
RESOURCES  
15 South 15th Avenue  
Phoenix, Arizona 85007

**2 COPIES**

James G. Derouin, Esq.  
MEYER, HENDRICKS, VICTOR, OSBORN &  
MALEDON, P.A.  
P.O. Box 33449  
Phoenix, Arizona 85067-3449

Derouin's street address is:  
2929 North Central Avenue  
Phoenix, Arizona 85012-2798

David Machlowitz, Esq.  
GENERAL INSTRUMENTS CORPORATION  
767 Fifth Avenue  
New York, New York 10153

David P. Kimball, Esq.  
KIMBALL & CURRY, P.C.  
2600 North Central Avenue  
Sixth Floor  
Phoenix, Arizona 85004

Kim E. Williamson, Esq.  
BROWN & BAIN  
P. O. Box 400  
Phoenix, Arizona 85001-0400

**1 COPY**

Charles A. Bischoff, Esq.  
GALLAGHER & KENNEDY  
2600 North Central Avenue  
Phoenix, Arizona 85004-3020

Errol L. Montgomery  
ERROL L. MONTGOMERY & ASSOC., INC.  
1075 East Fort Lowell Road, Suite B  
Tucson, Arizona 85719

William R. Victor  
ERROL L. MONTGOMERY & ASSOC., INC.  
1075 East Fort Lowell Road, Suite B  
Tucson, Arizona 85719

Stephen M. Quigley  
CONESTOGA-ROVERS & ASSOCIATES  
651 Colby Drive  
Waterloo, Ontario Canada N2V 1C2

Carl C. Meier, Esq.  
MN12-8251  
HONEYWELL INC.  
2701 - 4th Avenue South  
Minneapolis, Minnesota 55408

Charles O. Geadelmann  
MN12-3175  
HONEYWELL INC.  
2701 - 4th Avenue South  
Minneapolis, Minnesota 55408

Robert W. Hacker  
BULL HN INFORMATION SYSTEMS INC.  
Mail Station B-29  
P. O. Box 8000  
Phoenix, Arizona 85066

Rod Whitten  
Headquarters, U. S. Air Force  
Regional Environmental Office  
630 Sansome Street, Room 1316  
San Francisco, CA 94111-2278

Lt. Col. Ray Swensen  
AFRCE-WR  
630 Sansome Street, Room 1316  
San Francisco, CA 94111-2278

Elizabeth M. Powell, Esq.  
Charles Case, Esq.  
MOORE & VAN ALLEN  
One Hanover Square  
Raleigh, North Carolina 27601

G. S. Hagy, Senior Engineer  
SHELL OIL COMPANY  
777 Walker, Room 1010  
P. O. Box 2099  
Houston, Texas 77252-2099

**1 COPY**

Alan Abbott  
Environmental Engineer  
DIGITAL EQUIPMENT CORPORATION  
1901 West 14th Street  
Tempe, Arizona 85281

Richard C. Keiffer  
SPERRY AEROSPACE GROUP  
21111 North 19th Avenue  
Phoenix, Arizona 85027

William J. Cheeseman, Esq.  
FOLEY, HOAG & ELIOT  
One Post Office Square  
Boston, Massachusetts 02109

Roger K. Ferland, Esq.  
STREICH, LANG, WEEKS & CARDON  
2100 First Interstate Bank Plaza  
Phoenix, Arizona 85003-1897

Terry A. Thompson, Esq.  
AT&T  
Room B2180  
131 Morristown Road  
Basking Ridge, NJ 07920-1650

Cindy Lewis, Esq.  
Environmental Attorney  
DIGITAL EQUIPMENT CORPORATION  
111 Powdermill Road  
Maynard, MA 01754-1418

G. Eugene Neil, Esq.  
MARICOPA COUNTY ATTORNEY'S OFFICE  
111 West Monroe, 16th Floor  
Phoenix, Arizona 85003

Louis C. Thanukos, Ph.D.  
APPLIED ENVIRONMENTAL CONSULTANTS,  
INC.  
P. O. Box 26791  
Tempe, Arizona 85285-6791

**SEND ONLY COVER LETTERS AND FRONT  
PAGES OF LARGE DELIVERABLES**

Robert H. Brauer, Esq.  
RINGIER AMERICA, INC.  
One Pierce Place, Suite 800  
Itasca, Illinois 60143-1272

G. Van Velsor Wolf, Jr., Esq.  
SNELL & WILMER  
3100 Valley Bank Center  
Phoenix, Arizona 85073-3100