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Environmental
Restoration
Contractor**ERC Team****Interoffice Memorandum**Job No. 22192
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OU: 100-HR-3
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ERA: N/A
Subject Code: 640

TO: A. J. Knepp, H0-19

DATE: April 18, 1997

COPIES: See Below

FROM: R. B. Kerkow *R.B. Kerkow*
Onsite Measurement Services
H9-10/372-9282SUBJECT: **100-HR-3 INTERIM ACTION MONITORING, HEXAVALENT CHROMIUM RESULTS, JANUARY THROUGH MARCH 1997, REV 0.**

REFERENCES:

1. BHI, 1997a, *On-Site Measurements Quality Assurance Program Plan*, BHI-QA-03, Plan Number 5.2, REV 0, Bechtel Hanford, Inc., Richland, Washington.
2. BHI, 1997b, *100-HR-3 Onsite Measurement of Hexavalent Chromium Logbook*, EL-1357, Bechtel Hanford, Inc., Richland, Washington.
3. BHI, 1995, *Field Screening Procedures*, BHI-EE-05, Bechtel Hanford, Inc., Richland, Washington.

This data package contains field screening results for groundwater samples analyzed to support the 100-HR-3 Interim Action Monitoring Schedule. The Quality Assurance level for this work corresponds to QC-1 as specified in the reference 1 (BHI 1997a). The samples were managed under SAF P97-012, SAF C97-020, SAF C97-021 and SAF C97-012.

Attachment 1 is a data sheet which summarizes Hexavalent Chromium (Cr^{+6}) results for groundwater samples collected to support the referenced project. The results were obtained using a HACH Company, DR-2000 spectrophotometer, operated in accordance with Field Screening Procedure (FSP) 1.17, *Determination of Hexavalent Chromium in Water and Wastewater by the Hach DR/2000 Spectrophotometer* (BHI 1995). Information concerning instrument performance and quality control is contained in field logbook EL-1357 (BHI-1997b).

Please contact me if you have any questions on this information.

RBK:rbk

Attachments:

- Attachment 1. 100-HR-3 Interim Action Monitoring Results, January through March 1997
- Attachment 2. Chain of Custody / Sample Analysis Request Forms

A. J. Knepp, H0-19
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- D. E. Ayres, B1-35, w/attachment 1 only
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100-HR-3 Interim Action Monitoring Results

January through March 1997

HEIS Number	Date Collected	Time Collected	Sampler (Initials)	SAF Number	Sample Media	Date Analyzed	Time Analyzed	Analyst (Initials)	CrVI (mg/L)
BOJR85	1/21/97	12:04	rts	P97-012	water	1/21/97	13:15	rbk	0.081
BOJR84	1/21/97	12:41	rts	P97-012	water	1/21/97	13:25	rbk	0.027
BOJXW5	1/21/97	12:41	rts	P97-012	water	1/21/97	13:35	rbk	0.022
BOJXW4	1/21/97	12:41	rts	P97-012	water	1/21/97	13:45	rbk	0.021
BOJR86	1/22/97	9:41	rts	P97-012	water	1/22/97	10:15	rbk	0.051
BOJR88	1/22/97	9:41	rts	P97-012	water	1/22/97	10:25	rbk	0.050
BOJR87	1/22/97	10:14	rts	P97-012	water	1/22/97	10:50	rbk	0.030
BOK000	3/19/97	10:22	rrf	C97-020	water	3/19/97	14:45	rbk	0.011
BOJYY8	3/20/97	10:22	agr	C97-020	water	3/20/97	17:45	rbk	0.673
BOJYY9	3/20/97	11:05	agr	C97-020	water	3/20/97	17:55	rbk	0.078
BOK005	3/26/97	9:50	rts	C97-021	water	3/26/97	15:20	ldw	0.062
BOK006	3/26/97	10:43	rts	C97-021	water	3/26/97	15:35	ldw	0.096
BOK3N0	3/26/97	9:50	rts	C97-021	water	3/26/97	15:45	ldw	0.060
BOK008	3/26/97	11:23	rts	C97-021	water	3/27/97	10:25	ldw	0.182
BOK433	3/26/97	11:35	rts	C97-021	water	3/27/97	10:38	ldw	0.166
BOK434	3/26/97	11:45	rts	C97-021	water	3/27/97	10:48	ldw	0.173
BOK6C9	4/2/97	10:06	agr	C97-012	water	4/3/97	9:45	rbk	0.014
BOK6D0	4/2/97	11:42	agr	C97-012	water	4/3/97	10:00	rbk	0.080
BOK6D1	4/7/97	10:08	agr	C97-012	water	4/7/97	12:40	rbk	0.018
BOK6D2	4/7/97	9:30	agr	C97-012	water	4/7/97	12:15	rbk	0.060