

MEETING MINUTES

Subject: Expedited Response Action Weekly Interface

TO: Distribution

BUILDING: 740 Stevens Building

FROM: W. L. Johnson

CHAIRMAN: G. C. Henckel *GH*

Dept-Operation-Component	Area	Shift	Meeting Dates	Number Attending
Environmental Engineering	3000	Day	November 25, 1992	13

M. V. Berriochoa	B3-30	EPA	B5-01
H. D. Downey*	H6-27	P. Beaver	
J. K. Erickson	A5-19	P. T. Day	
E. D. Goller*	A5-19	D. R. Einan	
W. F. Heine	B2-35	D. A. Faulk*	
G. C. Henckel*	H6-04	L. Gadbois*	
J. M. Jiminez	N3-05	P. S. Innis	
A. D. Krug*	H6-02	D. R. Sherwood	
R. G. McLeod	A5-19		
P. M. Pak*	A5-19	Ecology	fax
J. K. Patterson	H6-27	J. Donnelly*	
D. L. Sickle	H6-27	L. Goldstein	
J. T. Stewart*	A5-20	D. Goswami*	
R. K. Stewart*	A5-19	R. L. Hibbard	
T. M. Wintczak	H6-27	J. Phillips*	
EDMC	H4-22	D. D. Teel	
Field File Custodian	H6-04	N. Uziemblo*	
ERAG Route		J. Yoke1	
WLJ File/LB			



*Attendees

The weekly interface meetings on the expedited response actions (ERAs) was held to status the ERAs for the U.S. Department of Energy, Richland Field Office and the regulators. The meeting was conducted in accordance with the attached agenda. Actions were formally reviewed and the attached action item list was updated. The weekly report is also attached.

All eight ERAs were discussed and their status summarized. Disposition of comments on the Pickling Acid Crib Sampling Plan were approved, and a agreement form was signed stipulating sampling could begin November 30, 1992. Ecology provided a draft schedule for the Sodium Dichromate Proposal for public review. Ecology and EPA's comments on the N-Springs Project Plan were discussed. Copies of the CCl₄ waste inspection logs were provided to the regulators as well as data for the 316-5 closure report.

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The U.S. Army Corps of Engineers offered assistance for N-Springs groundwater modeling. They also will be providing a letter concerning estimated costs for ordinance limited field investigations for the Hanford site.

Attachments:

1. Agenda
2. Action Item List
3. Decisions, Agreements & Commitments
4. Expedited Response Action Weekly Report, 11/20/92
5. Draft schedule for Sodium Dichromate review
6. CCl₄ Waste Inspection Logs
7. Data for 316-5 Closure Report

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WEEKLY ERA INTERFACE AGENDA

SUBJECT: STATUS OF THE EXPEDITED RESPONSE ACTIONS

DATE: November 23, 1992

- GENERAL ISSUES
 - ERA Interface Action Item review
- INDIVIDUAL PROJECT STATUS
 - 200-W Carbon Tetrachloride
 - o Site characterization (WAC variance)
 - o Well field design
 - o Operations
 - N-Springs
 - o EE/CA has been initiated, new schedule
 - Sodium Dichromate
 - o EE/CA review ongoing
 - o Public review status?
 - North Slope
 - o Second phase sampling plan under development
 - o ERA proposal under development
 - Pickling Acid Crib
 - o SAP approval
 - Riverland
 - o Soil gas results
 - 618-11
 - o Document work continues
 - 618-9 & 316-5
 - o Closure reports?
- OTHER ISSUE
- SUMMARY OF ACTION ITEMS
- SIGN-OFF ON ANY DECISIONS, AGREEMENTS, OR COMMITMENTS

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EXPEDITED RESPONSE ACTION INTERFACE MEETING

-ACTION ITEMS-
November 23, 1992

ORGANIZATION

ACTION ITEM

WHC	WHC will provide RL, EPA, and Ecology copies of the GPR reports for the Riverland ERA site when it becomes available. (open) North Slope, Sodium Dichromate, and Pickling Acid reports have been provided.
WHC	Provide description of the best method to incorporate 618-10 into 618-11 ERA. (open)
WHC	Nuclear Safety briefing on the approach to be used for 618-11 ERA when determined. (open)
WHC	WHC will set up a meeting to preview the video tapes taken at the Sodium Dichromate, Riverland, and North Slope ERA Sites. (closed) <i>Videos will be review on December 7, 1992, at the ERA Weekly Interface Meeting.</i>
WHC (revised)	WHC will prepare draft fact sheets on the new ERAs for review. (open)
WHC	WHC will prepare a draft response for RL's and Ecology's use in responding to the Oregon Hanford Nuclear Waste board letter. (open)

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Weekly Report, Week Ending November 20, 1992
EXPEDITED RESPONSE ACTIONS
Technical and Management Contact - Wayne L. Johnson, 376-1721
Environmental Division

North Slope Expedited Response Action - Preparation of the sampling plan for the military sites and cisterns continues. Activities are tentatively scheduled to begin in early December pending approval of the sampling plan. Preparation of the Expedited Response Action (ERA) proposal was also initiated. Awaiting arrival of analytical data from the first phase of sampling.

N-Springs Expedited Response Action - The statement of work for preparing the N-Spring ERA Proposal was issued to IT Corporation. IT stated an additional four weeks was needed in preparing the proposal. WHC was also asked to provide modeling support to IT Corporation in preparing the proposal.

Pickling Acid Crib Expedited Response Action - Geophysical Survey Report and Project Plan were delivered to EPA, Ecology and RL.

Riverland Railroad Site Expedited Response Action - Installed eleven gas probes at the Riverland underground tank site. Initial VOC results are negative. Dennis Faulk was informed of the results.

Sodium Dichromate Expedited Response Action - Procurement activities to rent 30 to 40 yard hauling equipment for January 25, 1993, were initiated.

Carbon Tetrachloride Expedited Response Action -

Site Characterization (ERA and Arid ID) - The draft fiscal year (FY) 93 Site Characterization Workplan is being revised and will be finalized by November 30, 1992.

Phase 1 of the pipeline assessment work will probably be initiated the week of November 30, 1992. The work requires support for Plutonium Finishing Plant (PFP) personnel, and the Job Control System package is number sixteen on the priority list at PFP. The Radiation Work Permit for work on lines 840/840D (to the 216-Z-9 Trench) has been approved. Phase 1 involves camera inspection of the 216-Z-9 lines, which can be accessed from within PFP.

Baseline Monitoring - High pressure (29.59 in Hg) on November 12, 1992, yielded only one wellhead detection of Volatile Organic Compound (VOC) (1.3 ppm). Soil gas probes were active with six probes having detectable volatiles, with a high of 3 ppm.

High pressure (29.3 in Hg) on November 16, 1992, yielded detections unusually higher than expected. Only five stations did not have detectable volatiles. Wellhead concentrations were very high with well 299-W18-248 reaching 1532 ppm. The high levels caused two Organic Vapor Monitors (OVMs) to lose calibration. Because no additional OVMs were available, no stations in the 216-Z-9 area were monitored. The cause of these high readings on a high pressure day is unknown but may be tied to the high humidity.

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Work continues on a report of FY 92 baseline monitoring activities. A draft is due November 20, 1992.

Well Field Design - The Letter of Instruction (LOI) LOI-EFSG-FY-93-002, Rev. 1 (includes NEPA determination, Cultural Resources Review, Excavation Permits, etc.) for deepening of the two crib wells and drilling the first vapor extraction well was submitted to Kaiser on November 17, 1992. We have provided information to the regulators regarding requested variances from the WAC and expect to have signed agreement on November 23, 1992; no problems are anticipated. Site preparation is expected to start December 15, 1992, and drilling is expected to start January 2, 1993.

Environmental Field Services is working to release 216-Z-1A from a surface contamination zone to an underground contamination zone (which translates from wearing whites to wearing blues). Currently the site survey is being conducted.

A second attempt to sample well 299-W15-5 with a bailer through the piezometers was unsuccessful. (Well 299-W15-5 is south-southwest of the 216-Z-9 Trench and was drilled into the basalt, possibly into the Rattlesnake Ridge interbed, in 1957). If the third time is unsuccessful, a new strategy will be worked out for sampling this well.

A draft of the wellfield design Workplan will be available on November 16, 1992.

Vapor Extraction System Operations - The draft letter request to RL for waiver of the moratorium for shipping loaded GAC canisters to Envirotrol for regeneration is out for review. The response addresses both actinides and radon. A continuous air sampler will be located downstream of the HEPA filters to verify that no actinides have reached the GAC canisters. On-line radon monitors will be used to measure the radon concentrations in and out of the GAC canisters to provide a mass balance and enable quantifying the amount of radon in the canisters.

Leased 500 cfm Vapor Extraction System (VES) - The Request for Proposal for leasing a 500 cfm VES unit has been released.

Fabrication of Support Equipment - WHC Fabrication Services in 200 West has started fabrication and assembly of equipment on the trailers containing the HEPA filters and Process Control System. This part of the system is being constructed to support the leased 500 cfm VES unit to be set up at the Z-9 Crib.

VES operations were shut down Friday, November 13, 1992, to purge the system of carbon tetrachloride in preparation for maintenance activities this week. The production table provides data for the period November 9, 1992, through November 12, 1992.

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The Process Control System is being debugged, after which the controller will be configured. After it is configured the input and output devices will be removed from the existing controller and relocated to the new controller. This is being done to minimize the number of changes to a manageable level, i.e. get the new process controller working before adding the input-outputs. Parts for installing the 20 horsepower motor for the vacuum blower will arrive early next week. Winterization activities are in progress.

Radiological Engineering has prepared operational and maintenance procedures for the radon monitors used on the VES. These procedures will be attached as an appendix to the operational document for the VES.

A Statement of Work was prepared for a Task Order for Ebasco to support some of the activities at the ERA site.

200 West Area CCl₄ Production Information

Operational Date	Disposal Facility	CCl ₄ Removed (lb)	Inlet CCl ₄ Conc.	Effluent CCl ₄ , ppm	Total Hours Operation	Average Flow (CFM)
8/13 - 8/19	216-Z-1A	65.0	420		42.0	160
8/19 - 8/25	216-Z-1A	125.0	583		47.0	190
8/26 - 9/03	216-Z-1A	79.34	459		32.0	210
9/03 - 9/09	216-Z-1A	21.3	580		9.0	175
9/10 - 9/16	216-Z-1A	73.82	560		36.5	175
9/17 - 9/23	216-Z-1A	66.0	500		36.3	150
9/24 - 9/30	216-Z-1A	77.3	661		30.0	158
10/1 - 10/7	216-Z-1A	132.9	858		38.3	166
10/7- 10/13	216-Z-1A	138.63	1019		44.75	136
10/15-10/21	216-Z-1A	140.7	924		45.5	138
10/21-10/27	216-Z-1A	63.0	765		24.0	144
10/28-11/04	216-Z-1A	108.00	1000		24.75	175
11/05-11/10	216-Z-1A	79.76	726		38.0	124
11/11-11/12	216-Z-1A	52.6	850	0.3	21	124
Totals		*1884.39	750		469.1	150

* Includes carbon tetrachloride extracted prior to 8/13

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Carbon Tetrachloride in Groundwater ERA - A planning proposal has been prepared to initiate an ERA on dissolved CCl_4 contamination in the unconfined aquifer underlying the 200 West Area. The document (WHC-SD-EN-PD-012) is undergoing peer review, and will be formally released November 30, 1992.

The CERCLA Geohydrology and 200 Area Remediation groups are evaluating various groundwater sparging technologies for the preferential treatment of volatile organics in groundwater. If the CCl_4 Groundwater ERA is approved, it is likely that one of these sparging technologies will be utilized in the CCl_4 Groundwater ERA.

Outreach - A tour of the ERA/VOC Arid ID site was given to Leo Duffy. Posters of the ERA/VOCs ID were also presented at his afternoon speech.

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DRAFT

SODIUM DICHROMATE ERA

PUBLIC COMMENT PERIOD TIME LINE

November 17, 1992

Nov	13	Draft advertisement	USDOE
Nov	17	Draft public comment period ^{workplan} workplan EE/CA	Ecology
		Draft public notice, news release, and focus sheet	Ecology
		Distribute public comment period ^{workplan} workplan EE/CA	Ecology
		Review public notice	All
Nov	19	Provide comments on public comment period time line to Ecology	All
Nov	23	Review public notice, news release, and focus sheet	All
		Copy ERA document	USDOE
		Provide comments on advertisement to USDOE	All
		Place advertisements	USDOE
Nov	25	Provide comments on public notice, news release, and focus sheet to Ecology	All
		Finalize advertisement	USDOE
Nov	30	Finalize public notice, news release, and focus sheet	Ecology
Dec	1	Send public notice, news release, and focus sheet to USDOE for copying and distribution	Ecology
Dec	2	Copy public notice, news release, and focus sheet to	USDOE

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		Send documents to EPA and Ecology	USDOE
Dec	4	Distribute public notice and focus sheet to TPA mailing list	USDOE
Dec	6	Run advertisement Tri-City Herald Spokesman Review/Chronicle Seattle Times/Post-Intelligencer The Oregonian	
Dec	7	Begin 30-day public comment period	
Dec	20	Run advertisement Tri-City Herald Spokesman Review/Chronicle Seattle Times/Post-Intelligencer The Oregonian	
Jan	5	End 30-day public comment period	
Jan	6	Respond to public comments	Ecology
		Begin finalizing documents	USDOE
Jan	13	Distribute draft responses to public comments to EPA and USDOE	Ecology
Jan	27	Provide comments on responses to public comments to Ecology	All
Jan	28	Finalize responses to public comments	Ecology
		Complete finalizing documents	USDOE
Jan	31	Distribute responses to public comments and to commentors, public information repositories, administrative records, EPA, and USDOE	Ecology
		Distribute finalized documents to public information repositories, administrative records, Ecology, and EPA	USDOE
April		Provide results of public comment period in the "Hanford Update", April 1992 issue	Ecology

WASTE INSPECTION LOG

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Project/Location: <u>CERCLA CCLY ERA 299-WIS-217</u>	No Problems Noted	See Observations
1. SAFETY/EMERGENCY EQUIPMENT		
Signs posted	/	
Communication equipment	/	
Portable eyewash/shower	/	
Fire extinguisher	/	
First aid kit	/	
2. PERSONNEL PROTECTIVE EQUIPMENT		
Coveralls	/	
Gloves	/	
Safety goggles	/	
3. SPILLS CONTROL EQUIPMENT		
Shovels		
Absorbent	/	
Salvage drum		
Spare drum	/	
Drum liners	/	
Adhesive tape	/	
Bung/Crescent Wrench	/	
4. FACILITY		
Doors secured (locked)	NA	
Aisle space/clear of debris	/	
Incompatible waste separated	NA	
Signs of leaks/spills/damage	/	
5. DRUMS		
Inventory accurate	/	
Signs of structural damage	/	
Closed	/	
Markings/labels/forms	/	
Accumulation date	/	

Unique Drum Nos.			
<u>EP56-92-0904</u>			
<u>→ 0909</u>			
<u>0911</u>			(Attach additional sheets as needed)

Observations:

OK

Date and Nature of Repairs/Remedial Actions Taken:

Inspector:

FRAN C. NELSON

Print/Sign Name 10-28-92

Date

WASTE INSPECTION LOG

Project/Location: <u>CERCLA CCLH ERA 299-WIS-216</u>	No Problems Noted	See Observations
1. SAFETY/EMERGENCY EQUIPMENT		
Signs posted	/	
Communication equipment	/	
Portable eyewash/shower	/	
Fire extinguisher	/	
First aid kit	/	
2. PERSONNEL PROTECTIVE EQUIPMENT		
Coveralls	/	
Gloves	/	
Safety goggles	/	
3. SPILLS CONTROL EQUIPMENT		
Shovels	/	
Absorbent	/	
Salvage drum	/	
Spare drum	/	
Drum liners	/	
Adhesive tape	/	
Bung/Crescent Wrench	/	
4. FACILITY		
Doors secured (locked)	NA	
Aisle space/clear of debris	/	
Incompatible waste separated	NA	
Signs of leaks/spills/damage	/	
5. DRUMS		
Inventory accurate	/	
Signs of structural damage	/	
Closed	/	
Markings/labels/forms	/	
Accumulation date	/	

Unique Drum Nos.

0910

EF56-92-0753

0919 → 0922

→ 0757

0871 → 0885

(Attach additional sheets as needed)

Observations:

OK

Date and Nature of Repairs/Remedial Actions Taken:

Inspector:

IRAL C. NELSON
Print/Sign Name

J.R. [Signature]

10-28-92
Date

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WASTE INSPECTION LOG

Project/Location: <i>LERCLA CCL4 ERA DSA</i>	No Problems Noted	See Observations
1. SAFETY/EMERGENCY EQUIPMENT		
Signs posted	/	
Communication equipment	/	
Portable eyewash/shower	/	
Fire extinguisher	/	
First aid kit	/	
2. PERSONNEL PROTECTIVE EQUIPMENT		
Coveralls	/	
Gloves	/	
Safety goggles	/	
3. SPILLS CONTROL EQUIPMENT		
Shovels	/	
Absorbent	/	
Salvage drum	/	
Spare drum	/	
Drum liners	/	
Adhesive tape	/	
Bung/Crescent Wrench	/	
4. FACILITY		
Doors secured (locked)	NA	
Aisle space/clear of debris	/	
Incompatible waste separated	NA	
Signs of leaks/spills/damage	/	
5. DRUMS		
Inventory accurate	/	
Signs of structural damage	/	
Closed	/	
Markings/labels/forms	/	
Accumulation date	/	

Unique Drum Nos.	<i>0749 → 0752</i>	<i>0912</i>	
<i>EF56-92-0154</i>	<i>0913</i>		
<i>→ 0163</i>	<i>0652</i>		
<i>0653 → 0659</i>	<i>0758</i>		(Attach additional sheets as needed)

Observations:

OK

Date and Nature of Repairs/Remedial Actions Taken:

Inspector:

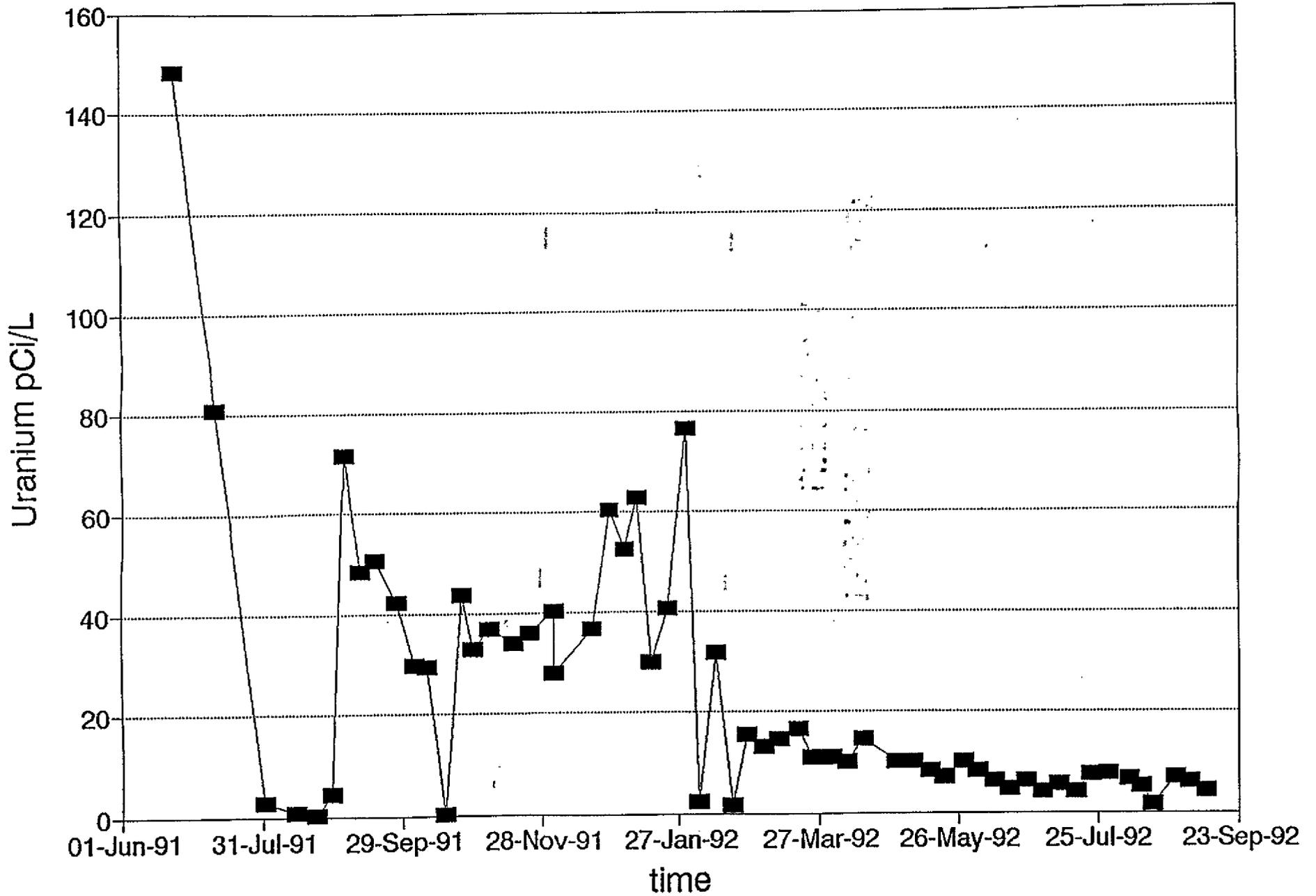
IRAZ C. NELSON

Print/Sign Name Date *10-28-92*

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