
Pacific Northwest National Laboratory

Operated by Battelle for the
U.S. Department of Energy

July 12, 2002

*No Affect to Historic Properties
30 Day SHPO Concurrence Required*

Chris Wright
Fluor Hanford
E6-35
Richland, Washington 99352

Subject: Groundwater well installation (HCRC #2002-200-054)

Dear Mr. Wright,

In response to your request received July 11, 2002, staff of the Hanford Cultural Resources Laboratory (HCRL) conducted a cultural resources review of the subject project. This project is located in the 200 West Area of the Hanford Site. Four groundwater wells will be installed in several locations within the 200 West Area (see attached maps). Well C3955 will require a 75 by 75 foot gravel pad and an existing 850 foot dirt road will be graveled over for access. Wells C3956 and C3957 will require only 75 by 75 foot gravel pads. Well C3958 will not require any gravel development areas.

Notifications and Public Involvement

On July 12, 2002:

- Per 36 CFR 800, the State Historic Preservation Officer (SHPO) and Tribes were notified of this cultural resources review request and the Area of Potential Effect (APE). The APE is defined as the project area delineated in the attached map.
- Per 34 Stat. 225, 16 U.S.C. 431, the United States Fish and Wildlife Service (USFWS) were notified of this request for cultural resource review.

Results of the Identification of Historic Properties Survey (Literature and Records Review)

A preliminary records and literature review revealed that the C3958 well location area has been surveyed in the past (HCRC#87-200-032) and no cultural resources were identified. Well C3958 is located in the vicinity of a waste site (216-U-17), the construction of which most likely caused the disturbance visible in aerial photos. The areas around the other three well locations, gravel pads and access road have not been surveyed for cultural resources. However, wells C3955, the proposed access road, and well C3956 are all located in close proximity to a waste site, roads, and tank farm 241-TX. Well C3957 is also located close to a road and in a disturbed area, possibly due to road construction or construction of tank farm 241-TX.

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Chris Wright
July 12, 2002
Page 2

archaeological potential. Examination of aerial photographs taken in 1987 shows that all of the well location areas are highly disturbed. Construction of waste sites, tank farm 241-TX, and access roads most likely caused the disturbance visible on the aerial photos (see attached photos).

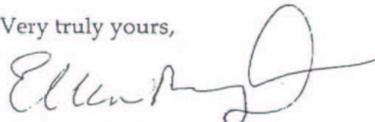
Findings and Actions Required

It is the finding of HCRL that this project will not affect historic properties, as no cultural resources are known to be located within the APE.

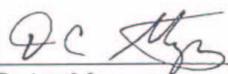
RL's Hanford Cultural Resources Program will submit an official letter of documentation to the SHPO, Tribes and interested parties of our findings. Pursuant to 36CFR Section 800, SHPO and tribes have 30 days to respond in receipt of this letter. No project activities can begin until the SHPO has concurred with our findings stated above.

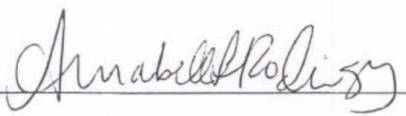
All workers should be directed to watch for cultural materials (e.g. bones, artifacts) during all work activities. If any are encountered, work in the vicinity of the discovery must stop until an HCRL archaeologist has been notified, assessed the significance of the find, and, if necessary arranged for mitigation of the impacts to the find. The HCRL must be notified if any changes to project location or scope are anticipated. This project is a Class 3 case involving new construction in a disturbed, low sensitivity area. If you have any questions, please call me at 376-4626. Please use the HCRC# above for any future correspondence concerning this project.

Very truly yours,



Ellen Prendergast, M. A.
Research Scientist/ Anthropologist
Cultural Resources Project

Concurrence: 
D. C. Stapp, Project Manager
Cultural Resources Project

Review and Concurrence: 

A. L. Rodriguez
DOE, Richland Operations Office, Hanford Cultural Resources Program

cc: A. L. Rodriguez, A5-58 (2)
Environmental Portal, A3-01
K.R. Welsch, N1-25
File/LB

RL-655	REQUEST FOR CULTURAL AND/OR ECOLOGICAL RESOURCES REVIEW FOR THE HANFORD SITE		Review Tracking Number 2002-200-054
ERC Projects (BHI, CH2M Hill)		All Other Hanford Projects (PHMC, PNNL, Other)	
Direct Form and Cultural Resource Questions To: Tom Marceau Phone 372-9289 Fax 372-8654 MSIN H0-23		Direct All Forms and Cultural Resource Questions To: Ellen Prendergast Phone 376-4826 Fax 373-2958 MSIN K6-75	
Direct Form and Ecological Resource Questions To: Ken Gano Phone 372-9316 Fax 372-9654 MSIN H0-23		Direct Ecological Resource Questions To: Mike Sackschewsky Phone 376-2664 Fax 372-3615 MSIN K6-85	
Date Sent: 7/10/02		Date Findings Requested By: 7/23/02	
Primary Contact: Chris Wright		Company/Organization: FH	
E-mail:			
Telephone: 373-3994	Fax:	MSIN E6-35	
Secondary Contact: Chris Webb		Company/Organization: FH	
Telephone: 373-5573	Fax: 373-5871	MSIN: A0-21	
Project Name: Groundwater/Vadose			
Project Number/COA: 117599			
RL Project Manager: KM Thompson			
REQUESTOR SHOULD SUBMIT A COPY OF THIS REQUEST TO THE RL PROJECT MANAGER UNDER WHOM THEIR PROJECT FALLS WITHIN 5 DAYS.			
Project Description, including Time Period over which proposed action will occur:			
Four groundwater wells will be installed in 200 West Area (see attached location sketches). Well C3955 will require a 75 by 75 foot gravel pad and a gravel access road measuring approximately 850 feet long. Wells C3956 and C3957 will require only 75 by 75 foot gravel pads. Well C3958 will not require any gravel development areas.			
Project Dimensions:			
Depth of Excavation(s): Well depth = Approx. 370 feet deep			
Project Location:			
<input type="checkbox"/> 100 Area	<input checked="" type="checkbox"/> 200 West Area	<input type="checkbox"/> 400 Area	<input type="checkbox"/> 700 Area
<input type="checkbox"/> 200 East Area	<input type="checkbox"/> 300 Area	<input type="checkbox"/> 600 Area	<input type="checkbox"/> Other:
Township 12 N	Range 25 & 26 E	UTM: Easting _____	Northing: _____
Please also provide the following:			
1. Overview map showing project location (or other suitable map to assist in finding the project site)			
2. Map or scale drawing showing all excavation areas (including water, sewer, and power lines, etc.), parking, topsoil storage areas, equipment staging areas, access roads, and utility corridors.			
Submitted By: CR Webb			Telephone: 373-5573

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(10/00)

(FRI) JUL 12 2002 3:36/ST. 3:36/NO. 6326709012 P 2

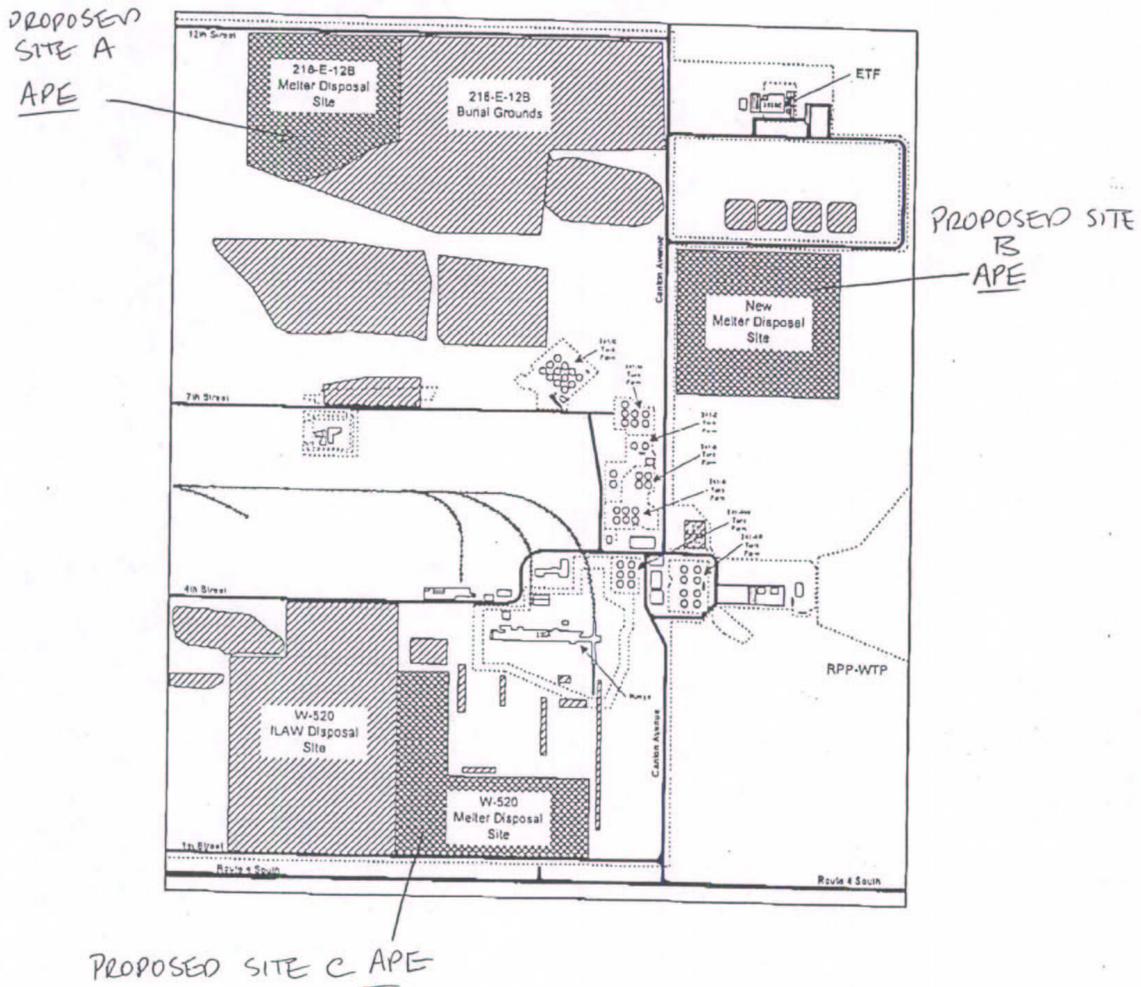
FROM

RPP-XXXX REV G

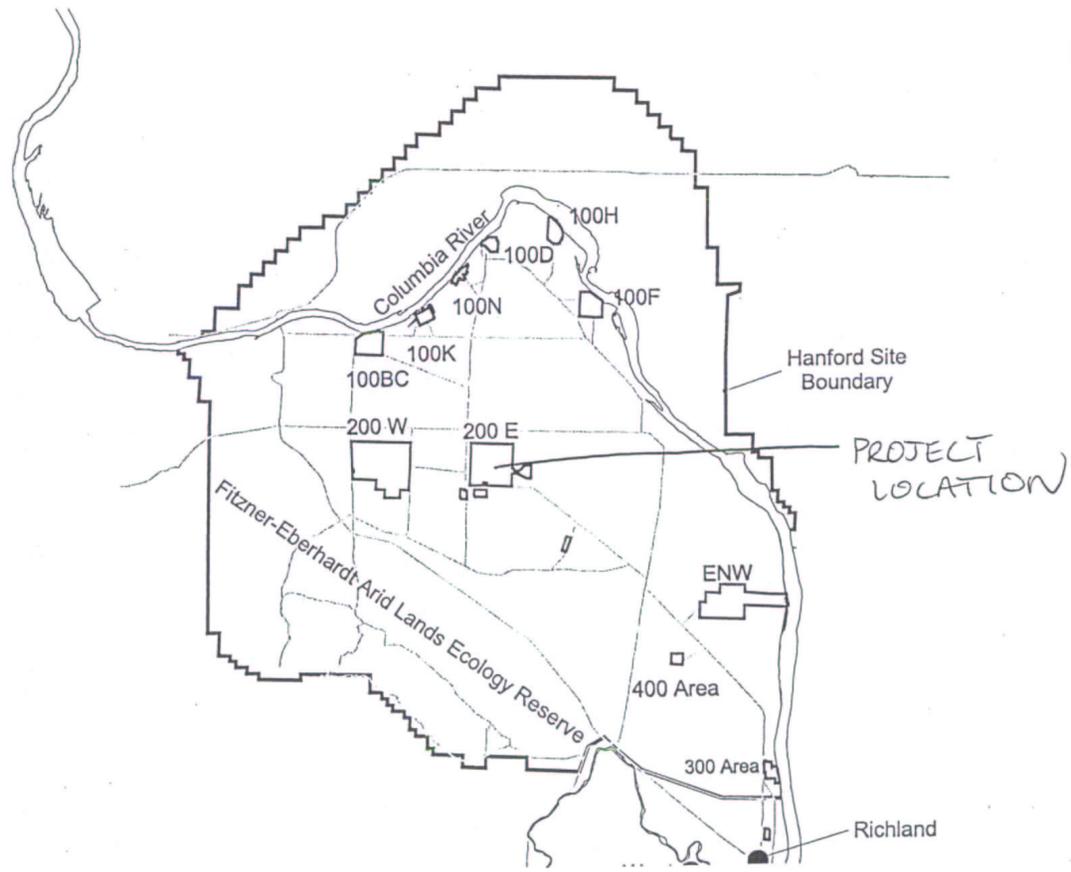
4.1.1 Alternative Description

The following describes each disposal site alternative. Figure 4-3 presents the general location of disposal site alternatives, excluding the multiuse burial trench site (Alternative 1C). As discussed in the Alternative 1C description, the multiuse burial trench program is at such an early stage of development that a site has not been selected.

Figure 4-3. Potential Failed Melter Disposal Sites.



Hanford Site



Pacific Northwest National Laboratory

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July 9, 2002

*No Affect to Historic Properties
30-Day SHPO Review Required*

Ted Wooley
CH2M Hill Hanford Group
R1-51
Richland, Washington 99352

Subject: Cultural Resources Review of Melter Trench (HCRC #2002-200-051)

Dear Mr. Wooley,

In response to your request received July 8, 2002, staff of the Hanford Cultural Resources Laboratory (HCRL) conducted a cultural resources review of the subject project. The Vitrification Plant currently under construction in the 200 East Area of the Hanford area will use melters that liquefy the waste and glass material. It has been proposed that these melters be disposed of after their estimated five-year lifespan into a specially designed trench, located in the 200 East area of the Hanford Site, Richland, Washington. This trench will accommodate an estimated volume of 6,825 cubic meters of failed melters and must be operational before 2008. Three alternative locations for the melter trenches are designated on the attached map. The melter trench itself will have a length of 270 meters, a width of 120 meters, and a depth of 21 meters.

Notifications and Public Involvement

On July 9, 2002:

- Per 36 CFR 800, the State Historic Preservation Officer (SHPO) and Tribes were notified of this cultural resources review request and the Area of Project Effect (APE). The Area of Potential Effect is defined as the project area delineated in the attached map.
- Per 34 Stat. 225, 16 U.S.C. 431, the United States Fish and Wildlife Service (USFWS) were notified of this request for cultural resource review.

Results of the Identification of Historic Properties Survey (Literature and Records Review)

A preliminary records and literature review revealed that only one of the three proposed melter trench locations has been surveyed for cultural resources in the past. Melter trench location C (W-520) was surveyed (HCRC #88-200-038) and two historic isolates recorded (HI-88-024 and HI-88-025). Aerial photographs indicate that melter trench location C is undisturbed. Proposed melter location A (218-E-12B) has not been surveyed. However, a survey conducted to the southeast of proposed melter site A (HCRC #88-200-038) located no

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Tced Wooley
July 9, 2002
Page 2

cultural resources. Aerial photographs indicate that melter site A has been disturbed by grubbing and excavation for the 218-E12B Waste Burial ground which lies east of the melter site A. Melter site location B has not been surveyed but cultural resource surveys conducted to the north (HCRC# 89-200-023) and to the west (HCRC #88-200-038) of this proposed melter disposal area did not locate cultural resources. Aerial photographs indicate that melter location B is disturbed by existing water and utility lines.

Findings and Actions Required

Melter Location A and B:

It is the finding of HCRL that this project will not affect historic properties, as the project areas are located in highly disturbed areas and cultural resource surveys conducted in the vicinity of these project areas indicates that the project area is also located in an area where the potential for subsurface archaeological resources is low.

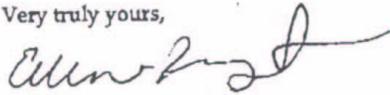
Melter Location C

It is the finding of HCRL that this project will not affect historic properties, as no cultural resources are known to be located within the APE.

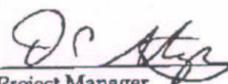
RL's Hanford Cultural Resources Program will submit official documentation to the SHPO, Tribes and interested parties of our findings. Pursuant to 36CFR Section 800 affording SHPO, ACHP, and tribes 30 days to comment, these parties have 30 days to respond in receipt of this letter. No project activities can begin until the SHPO has concurred with our findings stated above.

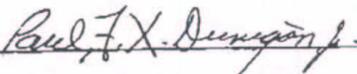
The workers must be directed to watch for cultural materials (e.g., historic artifacts) during all work activities. If any are encountered, work in the vicinity of the discovery must stop until an HCRL historian has been notified to assess the significance of the find, and, if necessary, arrange for mitigation of the impacts to the find. HCRL must be notified if any changes to project location or scope are anticipated. This project is a Class 3 and Class 5 case involving construction in both a disturbed low sensitivity area and construction in an undisturbed area. If you have any questions, please call me at 376-4626. Please use the HCRC# above for any future correspondence concerning this project.

Very truly yours,



Ellen Prendergast, M. A.
Research Scientist/Anthropologist
Cultural Resources Project

Concurrence: 
D. C. Stapp, Project Manager
Cultural Resources Project

Review and Concurrence: 
A. L. Rodriguez
DOE, Richland Operations Office, Hanford Cultural Resources Program



STATE OF WASHINGTON
OFFICE OF COMMUNITY DEVELOPMENT
Office of Archaeology and Historic Preservation
1063 S. Capitol Way, Suite 106 • PO Box 48343 • Olympia, Washington 98504-8343 • (360) 586-3064
Fax Number (360) 586-3067 • <http://www.oahp.wa.gov>

July 9, 2002

Ms. Annabelle Rodriguez
Cultural and Historic Resources Program
Richland Operations Office
PO Box 550
Richland, WA 99352

Log No.: 070902-11-DOE
Re: Melter Trench
HCRC # 2002-200-051

Dear Ms. Rodriguez;

We have reviewed the materials forwarded to our office for the above referenced project concerning the proposed construction of trenches for failed melters in the 200 East Area of the Hanford Site. We concur with your determination of the Area of Potential Effect as illustrated in the attached figure. We look forward to receiving the results of your review and on-site surveys.

These comments are based on the information available at the time of this review and on behalf of the State Historic Preservation Officer in compliance with the Section 106 of the National Historic Preservation Act, as amended, and its implementing regulations 36CFR800.4. Should additional information become available, our assessment may be revised, including information regarding historic properties that have not yet been identified. We would also appreciate receiving any correspondence or comments from concerned tribes or other parties that you receive as you consult under the requirements of 36CFR800.4(a)(4).

These comments are based on the information available at the time of this review and on behalf of the State Historic Preservation Officer. Should additional information become available, our assessment may be revised. Thank you for the opportunity to comment and we look forward to receiving the reports on the results of your investigations.

Sincerely,

Robert G. Whitlam, Ph.D.
State Archaeologist
(360) 586-3080
email: robw@cted.wa.gov

RECEIVED
JUL 15 2002
DOE-RL/RLCC



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OFFICE OF COMMUNITY DEVELOPMENT
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July 15, 2002

Ms. Annabelle Rodriguez
Cultural and Historic Resources Program
Richland Operations Office
PO Box 550
Richland, WA 99352

Log No.: 071202-10-DOE
Re: Groundwater Well Installation
HCRC # 2002-200-054

Dear Ms. Rodriguez;

We have reviewed the materials forwarded to our office for the above referenced project concerning the proposed installation of a groundwater well in the 200 Area of the Hanford Site. We concur with your determination of the Area of Potential Effect as illustrated in the attached figure. We look forward to receiving the results of your review and on-site surveys.

These comments are based on the information available at the time of this review and on behalf of the State Historic Preservation Officer in compliance with the Section 106 of the National Historic Preservation Act, as amended, and its implementing regulations 36CFR800.4. Should additional information become available, our assessment may be revised, including information regarding historic properties that have not yet been identified. We would also appreciate receiving any correspondence or comments from concerned tribes or other parties that you receive as you consult under the requirements of 36CFR800.4(a)(4).

These comments are based on the information available at the time of this review and on behalf of the State Historic Preservation Officer. Should additional information become available, our assessment may be revised. Thank you for the opportunity to comment and we look forward to receiving the reports on the results of your investigations.

Sincerely,

Robert G. Whitlam, Ph.D.
State Archaeologist
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email: robw@cted.wa.gov

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JUL 18 2002
DOE-RL/RLCC

K.3 References

36 CFR 800. *Protection of Historic Properties.* Code of Federal Regulations. Online at: http://www.access.gpo.gov/nara/cfr/waisidx_01/36cfr800_01.html

16 USC 470 et seq. National Historic Preservation Act (NHPA) of 1966. Online at: <http://www4.law.cornell.edu>

DOE-RL. 1995. *Ordnance and Explosive Waste Records Search Report*. DOE/RL-94-07, U.S. Department of Energy, Richland Operations Office, Richland, Washington.

Duranceau, D. A. 1995. *Site Evaluation Report for Candidate Basalt Quarry Sites*. BHI-00005, Rev. 00, Bechtel Hanford, Inc., Richland, Washington.

Hinds, N. R. and L. E. Rodgers. 1991. *Ecological Perspectives of Land Use History: The Arid Lands Ecology (ALE) Reserve*. PNL-7750, UC-702, prepared for the U.S. Department of Energy, Pacific Northwest Laboratory, Richland, Washington.

Rice, D. G. 1968. *Archaeological Reconnaissance: Hanford Atomic Works*. U.S. Atomic Energy Commission, National Park Service, and Washington State University, Pullman, Washington.

Van Arsdol, T. 1972. *Desert Boom and Bust – The Story of Irrigation Efforts and Town-Building in Benton County, Washington, 1888-1904*. Vancouver, Washington.