

0034106



DEPARTMENT OF THE ARMY  
SEATTLE DISTRICT, CORPS OF ENGINEERS  
P.O. BOX 3755  
SEATTLE, WASHINGTON 98124-2255

Incoming:9400810

REPLY TO  
ATTENTION OF

Regulatory Branch

DEC 29 1993

U.S. Department of Energy  
Richland Field Office  
Post Office Box 550  
Richland, Washington 99352

Reference: 92-2-00961  
U.S. Department of Energy

Gentlemen:

Enclosed is a Department of the Army permit which authorizes performance of the work described in your referenced application.

You are cautioned that any change in the location or plans of the work will require submittal of a revised plan to this office for approval prior to accomplishment. Deviation from approved plans may result in imposition of criminal or civil penalties.

Your attention is drawn to General Condition 1 of the permit which specifies the expiration date for completion of the work. You are requested to notify this office of the date the work is completed.

Sincerely,

Thomas F. Mueller  
Chief, Regulatory Branch

Enclosure

NPS FL 1145-7  
APR 91 (Rev)



RECEIVED  
JAN 5 1994  
DOE-RL/CCC  
194-RPS-156  
40.3.3



**This notice of authorization must be conspicuously displayed at the site of work.**

United States Army Corps of Engineers

DEC 29 1993

19\_\_\_\_\_

INSTALL AN OUTFALL LINE WITH DIFFUSER WITH BACKFILL. EXCAVATED MATERIAL TO BE DISPOSED OF ON THE UPLANDS (PROVIDE OUTFALL FOR NEW TREATMENT PLANT)

A permit to IN THE COLUMBIA RIVER (RM 345.5)

at THE HANFORD 300 AREA NEAR RICHLAND, BENTON COUNTY, WASHINGTON

has been issued to U.S. DEPARTMENT OF ENERGY on DEC 29 1993

Address of Permittee RICHLAND FIELD OFFICE, P.O. BOX 550, RICHLAND, WA 99352

Permit Number

92-2-0961

*Walter J. Cunningham*  
WALTER J. CUNNINGHAM  
**District Commander**  
COLONEL, CORPS OF ENGINEERS

4. If you sell the property associated with this permit, you must obtain the signature of the new owner in the space provided and forward a copy of the permit to this office to validate the transfer of this authorization.
5. If a conditioned water quality certification has been issued for your project, you must comply with the conditions specified in the certification as special conditions to this permit. For your convenience, a copy of the certification is attached if it contains such conditions.
6. You must allow representatives from this office to inspect the authorized activity at any time deemed necessary to ensure that it is being or has been accomplished in accordance with the terms and conditions of your permit.

**Special Conditions:**

- a. You must provide a copy of the permit transmittal letter, the permit form and drawing to all contractors performing any of the authorized work.
- b. You must comply with the provisions of the attached Water Quality Certification.
- c. No inwater work be conducted between 1 April and 31 December to protect outmigrating salmonids. Hanford Reach chinook salmon spawners, and sturgeon spawning.

Special Conditions Continue on page 4.

**Further Information:**

1. Congressional Authorities: You have been authorized to undertake the activity described above pursuant to:

Section 10 of the Rivers and Harbors Act of 1899 (33 U.S.C. 403).

Section 404 of the Clean Water Act (33 U.S.C. 1344).

Section 103 of the Marine Protection, Research and Sanctuaries Act of 1972 (33 U.S.C. 1413).

2. Limits of this authorization.

a. This permit does not obviate the need to obtain other Federal, state, or local authorizations required by law.

b. This permit does not grant any property rights or exclusive privileges.

c. This permit does not authorize any injury to the property or rights of others.

d. This permit does not authorize interference with any existing or proposed Federal project.

3. Limits of Federal Liability. In issuing this permit, the Federal Government does not assume any liability for the following:

a. Damages to the permitted project or uses thereof as a result of other permitted or unpermitted activities or from natural causes.

b. Damages to the permitted project or uses thereof as a result of current or future activities undertaken by or on behalf of the United States in the public interest.

c. Damages to persons, property, or to other permitted or unpermitted activities or structures caused by the activity authorized by this permit.

d. Design or construction deficiencies associated with the permitted work.

DEPARTMENT OF THE ARMY PERMIT

Permittee U.S. Department of Energy

Permit No. 92-2-00961

Issuing Office Seattle District

U.S. Department of Energy  
Richland Field Office  
Post Office Box 550  
Richland, Washington 99352

NOTE: The term "you" and its derivatives, as used in this permit, means the permittee or any future transferee. The term "this office" refers to the appropriate district or division office of the Corps of Engineers having jurisdiction over the permitted activity or the appropriate official of that office acting under the authority of the commanding officer.

You are authorized to perform work in accordance with the terms and conditions specified below.

Project Description: Install an outfall line with diffuser, excavate 500 cubic yards of poorly graded sand and gravel, and river rock. Material will be barged downriver and disposed of on the uplands at Pit-10. Imported fill will be 260 cubic yards of aggregate and 200 cubic yards of armor rock with a top layer of native riverbed material in accordance with the plans and drawings attached hereto which are incorporated in and made a part of this permit. (When operational, the 300 Area Treated Effluent Disposal Facility will provide best available treatment economically achievable.)

Project Location: In the Columbia River (RM 345.5) at the Hanford 300 Area near Richland, Benton County, Washington.

Permit Conditions:

General Conditions:

29 DEC 1996

1. The time limit for completing the work authorized ends on \_\_\_\_\_ . If you find that you need more time to complete the authorized activity, submit your request for a time extension to this office for consideration at least one month before the above date is reached.

2. You must maintain the activity authorized by this permit in good condition and in conformance with the terms and conditions of this permit. You are not relieved of this requirement if you abandon the permitted activity, although you may make a good faith transfer to a third party in compliance with General Condition 4 below. Should you wish to cease to maintain the authorized activity or should you desire to abandon it without a good faith transfer, you must obtain a modification of this permit from this office, which may require restoration of the area.

3. If you discover any previously unknown historic or archeological remains while accomplishing the activity authorized by this permit, you must immediately notify this office of what you have found. We will initiate the Federal and state coordination required to determine if the remains warrant a recovery effort or if the site is eligible for listing in the National Register of Historic Places.

e. Damage claims associated with any future modification, suspension, or revocation of this permit.

4. Reliance on Applicant's Data: The determination of this office that issuance of this permit is not contrary to the public interest was made in reliance on the information you provided.

5. Reevaluation of Permit Decision. This office may reevaluate its decision on this permit at any time the circumstances warrant. Circumstances that could require a reevaluation include, but are not limited to, the following:

a. You fail to comply with the terms and conditions of this permit.

b. The information provided by you in support of your permit application proves to have been false, incomplete, or inaccurate (See 4 above).

c. Significant new information surfaces which this office did not consider in reaching the original public interest decision.

Such a reevaluation may result in a determination that it is appropriate to use the suspension, modification, and revocation procedures contained in 33 CFR 325.7 or enforcement procedures such as those contained in 33 CFR 326.4 and 326.5. The referenced enforcement procedures provide for the issuance of an administrative order requiring you to comply with the terms and conditions of your permit and for the initiation of legal action where appropriate. You will be required to pay for any corrective measures ordered by this office, and if you fail to comply with such directive, this office may in certain situations (such as those specified in 33 CFR 209.170) accomplish the corrective measures by contract or otherwise and bill you for the cost.

6. Extensions. General condition 1 establishes a time limit for the completion of the activity authorized by this permit. Unless there are circumstances requiring either a prompt completion of the authorized activity or a reevaluation of the public interest decision, the Corps will normally give favorable consideration to a request for an extension of this time limit.

Your signature below, as permittee, indicates that you accept and agree to comply with the terms and conditions of this permit.

*James Bauer* *12-28-93*  
(PERMITEE) (DATE)

U.S. Department of Energy

This permit becomes effective when the Federal official, designated to act for the Secretary of the Army, has signed below.

*Walter J. Cunningham* *12-29-1993*  
(DISTRICT ENGINEER) (DATE)  
WALTER J. CUNNINGHAM  
Colonel

When the structures or work authorized by this permit are still in existence at the time the property is transferred, the terms and conditions of this permit will continue to be binding on the new owner(s) of the property. To validate the transfer of this permit and the associated liabilities associated with compliance with its terms and conditions, have the transferee sign and date below.

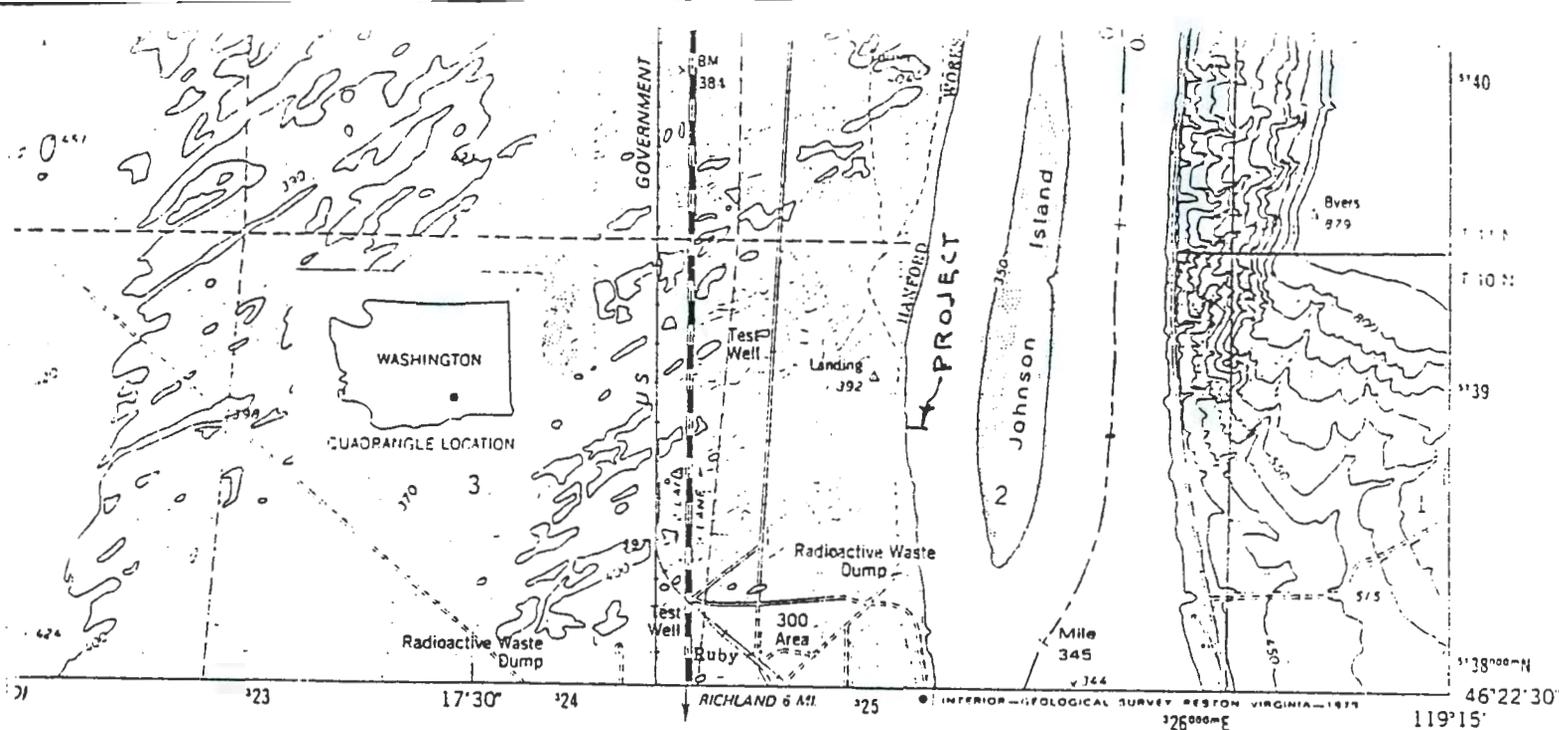
\_\_\_\_\_  
(TRANSFEREE) (DATE)

Special Conditions Continued from page 2.

d. If a hydraulic dredge is used, the dredge shall only be operated with the intake at or below the surface of the material being removed. The intake may be raised a maximum of 3 feet above the bed for brief periods of purging or flushing of the intake system.

e. In the event of an inadvertent discovery of human remains, the permittee/contractor must stop work and notify the U.S. Department of Energy, the U.S. Army Corps of Engineers, Seattle District, and the Yakima Indian Nation. These agencies will make a reasonable effort to protect the items discovered under procedures of the Native American Graves Protection and Repatriation Act of 1991, before the activity may resume.

f. This permit does not exclude the permittee from liability under the Comprehensive Environmental Response, Compensation, and Liability Act of 1980 (CERCLA) as amended (42 U.S.C. 9601 et. seq.) or the 1989 Washington State Model Toxics Control Act (R.C.W. 70.105), nor does the permit waive any liability for response cost, damages, and any other costs that may be assessed under CERCLA. Additionally, the permittee will be financially responsible for any logistic problems associated with the construction and operation of this project and potential cleanup operations in this portion of the Hanford 300 Area.



Extracted materials - Approximately 500 cubic yards of poorly-graded sand, river gravel and river-rock will be excavated. The sand material will be utilized elsewhere on the Hanford Site and the excess river-bottom materials will be barged downriver and disposed of to Pit 10 on the Hanford Site or another approved disposal site.

### ARMOR ROCK

Rock fragments for armor rock shall be hard and durable quarry stone free from fractures, bedding planes, pronounced weathering, and earth or other adherent coatings or other defects that would tend to increase rock disintegration by weathering. The minimum dimension of an individual piece shall be not less than 1/3 the maximum dimension. Contractor shall furnish a list of projects supplied from the quarry. The stones shall have less than 35 percent wear when tested for resistance to abrasion in conformance with ASTM C131. Bulk density of the stone shall be not less than 160 pounds per dry cubic foot.

PURPOSE: PROVIDE OUTFALL FOR NPDES PERMIT WA000374-3

DATUM NGVD of 1929

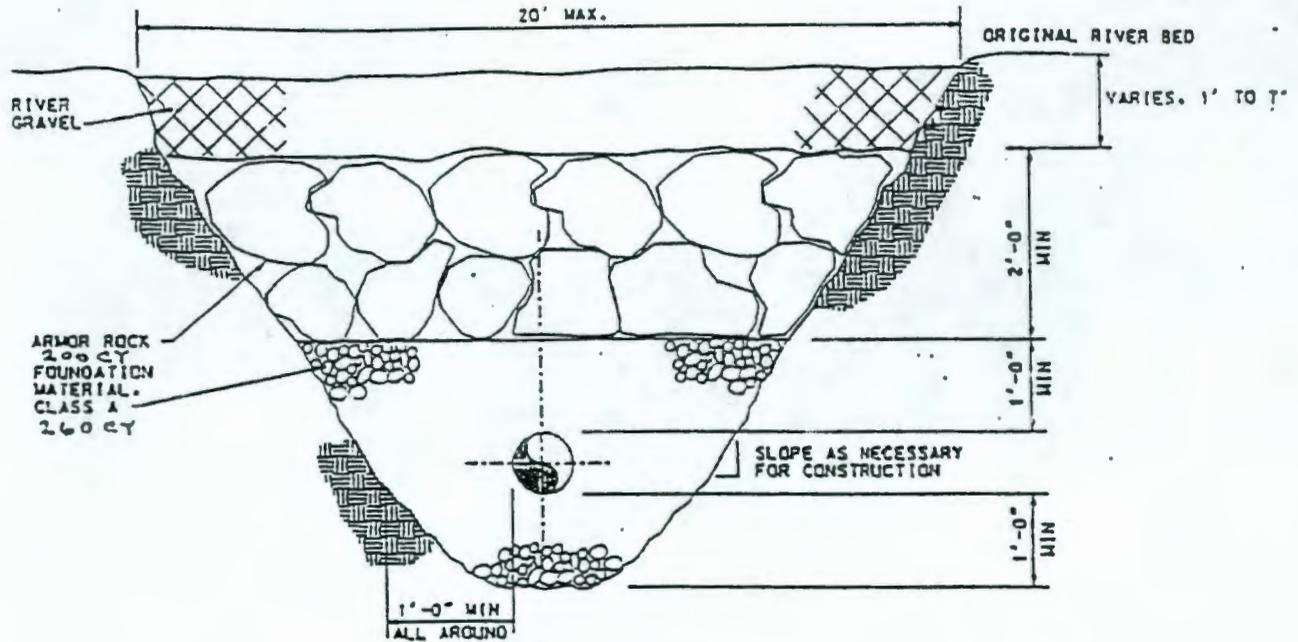
ADJACENT PROPERTY OWNERS:

- ① WASH ST DEPARTMENT OF NAT RESOURCES
- ② FRANKLIN COUNTY

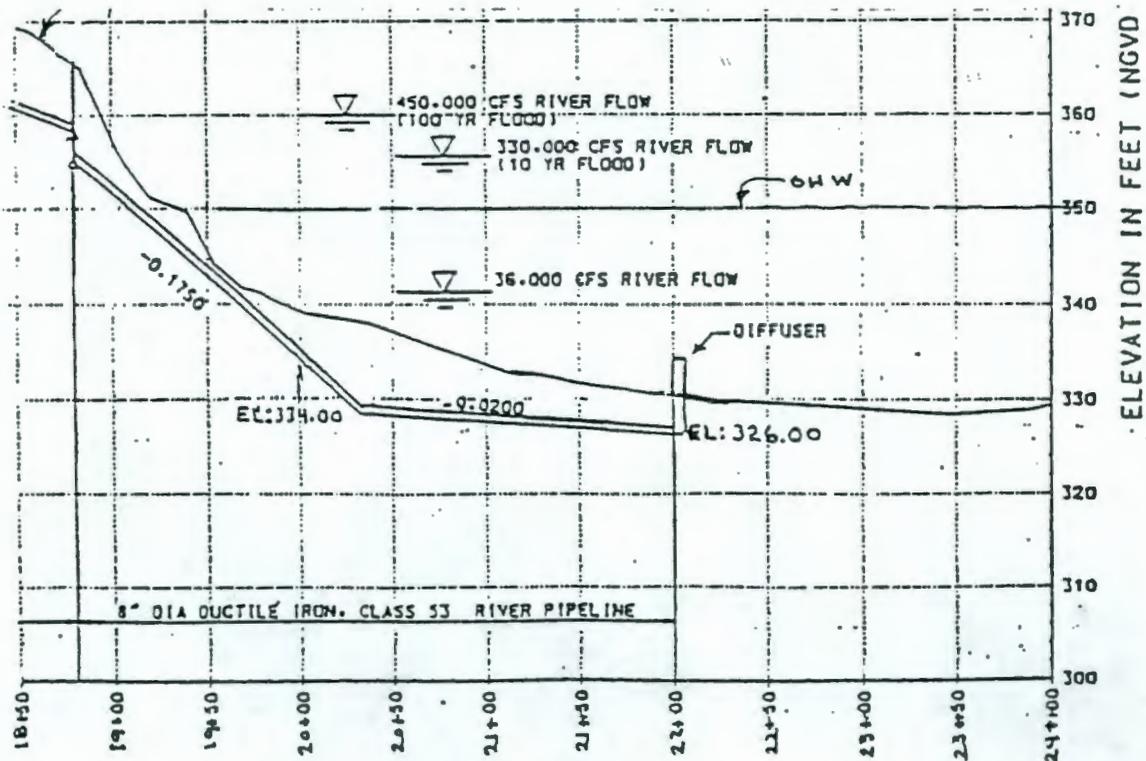
92-2-00961

INSTALL OUTFALL  
 IN COLUMBIARIVER (RM 345.5  
 AS NEAR RICHLAND  
 COUNTY OF BENTON STATE WASH  
 APPLICATION BY US DEPT OF ENERGY  
 SHEET 1 OF 3 DATE 25 MAY 93





TYPICAL TRENCH SECTION-  
 STATION 18+80 TO STATION 22+00  
 NTS



NOTE:

AN AREA ON THE UPLANDS WAS DETERMINED TO BE AN ARCHEOLOGICAL SENSITIVE AREA. THEREFORE THE PIPE WAS NOT TRENCHED IN AT THAT AREA, BUT WAS LAID ON THE GROUND AND MOUNDED OVER TO AVOID POSSIBLE IMPACTS

92-2-00961

INSTALL OUTFALL  
 IN COLUMBIA RIVER (RM 345.5  
 NEAR RICHLAND  
 COUNTY OF BENTON STATE WASH  
 APPLICATION BY US DEPT OF ENERGY



STATE OF WASHINGTON  
DEPARTMENT OF ECOLOGY

P.O. BOX 47600 • Olympia, Washington 98504-7600 • (206) 459-6000

December 14, 1993

U.S. Department of Energy  
Richland Field Office  
P.O. Box 550  
Richland, WA 99352  
ATTN: Mr. S. D. Stites

Re: Water Quality Certification  
Public Notice No. 92-2-00961  
Installation of a buried outfall pipeline with diffuser for the 300 Area Treatment Facility, in the Hanford Reach of the Columbia River (RM 345.5), near Richland, Benton County, Washington.

Dear Mr. Stites:

The public notice for this proposed Corps of Engineers Section 10 and Section 404 permit has been reviewed in accordance with all pertinent rules and regulations. The proposed project entails excavating approximately 500 cubic yards of sediments, gravels, and river rock, installing an outfall pipeline with diffuser for the 300 Area Treated Effluent Disposal Facility (TEDF), and refilling the excavated trench with imported aggregate and armor rock with a top layer of native riverbed material, in the Hanford Reach of the Columbia River (RM 345.5), Benton County, Washington.

The state of Washington certifies that the construction activities described above comply with applicable provisions of sections 301, 302, 303, 306, and 307 of the Federal Clean Water Act as amended, and other appropriate requirements of State law. This certification is subject to compliance with the applicable provisions of the enclosed Hydraulic Project Approval from the Department of Fisheries, a Water Quality Modification issued by the Department of Ecology (Ecology), and the conditions listed below. Additionally, this certification requires the issuance of an aquatic lands site use authorization by the Washington Department of Natural Resources (DNR). Conditions in the DNR authorization related to aquatic protection shall also be considered conditions of this certification.

This certification applies only to the Corps of Engineers (Corps) 404 permit for construction of the outfall and diffuser and the associated excavation and backfilling. The future operation of this facility and associated discharges will be subject to a National Pollutant Discharge Elimination System (NPDES) permit being issued by the U.S. EPA (Application # WA-002591-7), and additional state water quality certification conditions, as appropriate.

Pursuant to Section 401(a)(3) of the Clean Water Act, this document shall also serve as notice to the U.S. EPA that the state will require additional review for certification of the subject NPDES permit. Because the discharge limitations of that permit have not yet been determined, the state has not certified that the operations and discharges of the facility will meet the requirements of applicable provisions of Sections 301, 302, 303, 306, and 307 of this Act. Prior to EPA issuance of the final NPDES permit, the state shall review the proposed permit and establish any additional certification conditions necessary to specifically address the proposed facility discharge.

**Liability:**

- 1.) Certification for the construction of this outfall does not authorize the U.S. Department of Energy (Energy), the Westinghouse Hanford Company, or any party under contract to either Energy or Westinghouse Hanford to exceed any applicable State sediment quality standards (WAC 173-204). Furthermore, nothing in this certification shall absolve Energy, Westinghouse Hanford, or any party under contract to either Energy or Westinghouse Hanford from liability for contamination and any subsequent cleanup of sediments required as a result of discharges from this outfall.

**General:**

- 2.) Work in or near the waterway shall be done so as to minimize turbidity, erosion, and other water quality impacts.
- 3.) Care shall be taken to prevent any petroleum products, chemicals, or other toxic or deleterious materials from entering the water. If an oil sheen or distressed or dying fish are observed in the project vicinity, the operator shall cease immediately and notify the Department of Ecology of such conditions. Contact Ecology's Central Regional Spill Response Office at (509) 575-2490.
- 4.) Water quality standards pertaining to River Mile 309.3 to River Mile 397.1 of the Columbia River (Class A) shall apply to this project (see 173-201A-030(2) and 173-201A-130(21) WAC) except as modified by the short-term water quality modification issued by Ecology.
- 5.) Wash water containing oils, grease, or other hazardous materials resulting from wash down of equipment or working areas shall not be discharged into state waters except as authorized by an NPDES or state waste discharge permit.
- 6.) The Department of Ecology's Tom Luster at (206) 407-6918 and Melodie Selby (509) 736-3021 shall be notified upon start of project construction, and again within 72 hours after completion of the outfall construction.

- 7.) Additional conditions may be added to this certification, or certification may be withdrawn, if the project results in detrimental effects to the waters of the state.
- 8.) Alteration or disturbance of existing bank vegetation shall be held to a minimum, and revegetation shall occur in areas where vegetation was destroyed by river rock placement.
- 9.) Upon reasonable notice, applicant shall allow Ecology personnel access to the site for inspections or to ensure that conditions of this certification are being met.

**Construction, excavation and backfilling:**

- 10.) All construction debris shall be properly disposed of on land so that it cannot enter the waterway or cause water quality degradation to state waters.
- 11.) Dredging shall be done by shore or barge-based clamshell or backhoe only or, and shall be carried out in a manner that minimizes the spillage of excess sediments from the bucket. Large debris shall be removed from dredged material and disposed of in an approved upland site.
- 12.) Dredged material shall be transported in a manner that prevents the dredged material, leachate, or drainage from the material from entering state waters, including wetlands.
- 13.) Barges used to transport the dredged material shall not be filled beyond their capacity to completely contain the dredged material, including all captured water.
- 14.) Excess material will be removed from the site and disposed of upland at the Pit 10 borrow pit site.
- 15.) This certification is contingent upon no additional sources of material or potential contaminants being discharged or affecting the sediments within the dredge limits. If such contaminants are encountered during construction, work shall immediately cease and the Department of Ecology's Tom Luster shall be notified at (206) 407-6918. Work shall not begin again without approval from Ecology.

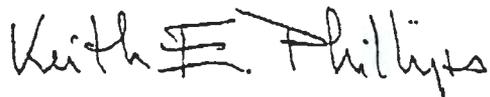
92-2-00961

December 14, 1993

Page 4

Please note this certification does not exempt, and is provisional upon compliance with other statutes and codes administered by federal, state and local agencies.

Sincerely,



Keith E. Phillips, Supervisor  
Environmental Review and Sediment Management Section

KEP:trl

Enclosure

cc: Corps of Engineers  
U.S. EPA - Seattle  
U.S. Fish & Wildlife Service  
National Marine Fisheries Service  
Yakima Confederated Tribes  
WA Dept. of Ecology, Shorelands, Nuclear & Mixed Waste, Wetlands  
WA Dept. of Ecology, Central Regional Office  
WA Dept. of Fisheries  
WA Dept. of Wildlife  
WA Dept. of Natural Resources



**HYDRAULIC PROJECT  
APPROVAL**

R.C.W. 75.20.100  
R.C.W. 75.20.103

June 1, 1993

DEPARTMENT OF FISHERIES  
General Administration Bldg.  
Olympia, Washington 98504  
(206) 753-6630

DEPARTMENT OF FISHERIES

(4) (Applicant should refer to this date in all correspondence)

PAGE 1 OF 2 PAGES

92-20961-C

10 LAST NAME U.S. Department of Energy		FIRST		18 CONTACT PHONE(S) (509) 376-8441		1 CONTROL NUMBER 00-52316-02	
19 STREET OR RURAL ROUTE Post Office Box 550, ATTN: Ron D. Izatt		CITY Richland		STATE WA		ZIP 99352	
12 WATER Columbia River		TRIBUTARY TO Pacific Ocean		14		17	
13 QUARTER SECTION NE 02		TOWNSHIP 10N		RANGE(N-W) 28E		COUNTY Benton	
						11 TYPE OF PROJECT Effluent Disposal Outfall Construction	
TIME LIMITATIONS:		5 THIS PROJECT MAY BEGIN January 1, 1994		6 AND MUST BE COMPLETED BY March 1, 1994			

THIS APPROVAL IS TO BE AVAILABLE ON THE JOB SITE AT ALL TIMES AND ITS PROVISIONS FOLLOWED BY THE PERMITTEE AND OPERATOR PERFORMING THE WORK.

SEE IMPORTANT GENERAL PROVISIONS ON REVERSE SIDE OF APPROVAL.

NOTE: This Hydraulic Project Approval (HPA) is approved, as described in the letter and modified plans dated May 3, 1993, from James D. Bauer, Department of Energy, Office of Environmental Assurance, Permits, and Policy, subject to the following conditions.

1. Dredging shall not be conducted in fish spawning areas.
2. Dredging shall occur with shore- or barge-based clamshell or backhoe equipment. Drive mechanisms shall not enter or operate within the wetted perimeter of the Columbia River.
3. Each pass of the dredge bucket shall be complete. There shall be no stockpiling in the water.
4. Dredging operations shall be conducted at all times in such a manner as to cause little or no disturbance or siltation to adjacent waters.
5. Care shall be taken and equipment sufficiently clean and well-maintained to prevent the loss of petroleum or other deleterious products to the Columbia River.
6. All dredge material shall be disposed of at an approved upland site, such that they do not re-enter state waters.

RECEIVED

JUN 09 1993

KENNEDY

DEPA: Dept. of Ecology, DNS 5/19/93  
REGIONAL HABITAT MANAGER - Roger Williams  
PATROL - Tayer (2)  
APPLICANT - WILDLIFE - READER - PATROL - HAB. MGR. - WRIA

(509) 545-2034

PL... [Signature]

## HYDRAULIC PROJECT

## APPROVAL

R.C.W. 75.20.100

R.C.W. 75.20.103

June 1, 1993

DEPARTMENT OF FISHERIES  
General Administration Bldg.  
Olympia, Washington 98504  
(206) 753-6650

DEPARTMENT OF FISHERIES

4  
(Applicant should refer to this date in all correspondence)

PAGE 2 OF 2 PAGES

10) LAST NAME U.S. Department of Energy	18) CONTACT PHONE(S) (509) 376-5441	1) CONTROL NUMBER 00-53316-02
12) WATER Columbia River	9) WRIA 40.0001	

7. When filling the outfall trench the upper 12 inches of the trench shall be back filled with clean, well rounded gravel ranging in size from 1/4 to four (4) inches in diameter. If material removed as a result of the dredging operation meets these criteria, it may be used for back fill in the trench.
8. Upon completion of the dredging, the bed shall not contain pits, potholes, or large depressions.
9. Alteration or disturbance of the bank and bank vegetation shall be limited to that necessary to construct the project. All disturbed areas shall be protected from erosion using vegetation or other means.
10. The banks shall be revegetated with native or other approved woody species, and be planted at a maximum interval of three (3) feet (on center), and maintained as necessary for three (3) years to ensure 80 percent survival.
11. The water quality model used to evaluate impacts from the waste water discharge on river temperatures shall be validated with actual field measurements, following project completion.

LOCATION: Immediately north of Department of Energy 300 Area.

dmm

cc: Dale Bambrick, YIN Toppenish  
Terry Mardin, Benton Co. Planning  
Melodie Selby, DOE Kennewick  
Kristen Sycamore, National Park Service, Seattle  
Jerry Turnbough, Westinghouse-Hanford Co.  
Arlis Winther, CORPS Seattle



STATE OF WASHINGTON

DEPARTMENT OF ECOLOGY

7601 W. Clearwater, Suite 102 • Kennewick, Washington 99336 • (509) 546-2491

August 30, 1993

CERTIFIED MAIL  
P223831490

Mr. James D. Bauer  
Department of Energy  
Richland Field Office  
P.O. Box 850  
Richland, WA 99352

Dear Mr. Bauer:

Re: Order, Docket No. DE-93NM-223

Enclosed is Order No. DE-93NM-223. All correspondence relating to this document should be directed to the Ecology Nuclear and Mixed Waste Management Program, Hanford Project Office, 7601 W. Clearwater, Suite 102, Kennewick, Washington 99336. If you have any questions concerning the content of the document, please call Melodie A. Selby, at (509) 575-2491.

This Order is issued under the provisions of RCW 90.48.120(2). Any person feeling aggrieved by this order may obtain review thereof by application, within thirty (30) days of receipt of this order, to the Washington Pollution Control Hearings Board, P. O. Box 40903, Olympia, Washington 98504-0903. Concurrently send to the Director of the Department of Ecology, P. O. Box 47600, Olympia, Washington 98504-7600, a copy of the application for review and a copy to the Hanford Project Office, Department of Ecology, 7601 W. Clearwater Ave. Suite 102, Kennewick, WA 99336. These procedures are consistent with the provisions of Chapter 43.21B RCW and the rules and regulations adopted thereunder.

Sincerely,

Dave Nylander  
Nuclear and Mixed Waste Management Program

DN:MS:sr  
Enclosure: Order, Docket No. DE-93NM-223

cc w/enclosure: Jerry Turnbaugh, WHC

## DEPARTMENT OF ECOLOGY

IN THE MATTER OF THE REQUEST BY )  
 UNITED STATES DEPARTMENT OF ENERGY ) ORDER  
 FOR TEMPORARY MODIFICATION OF ) No. DE-93NM-223  
 WATER QUALITY STANDARDS )

TO: James D. Bauar  
 Department of Energy  
 Richland Field Office  
 P.O. Box 550  
 Richland, WA 99352

On August 14, 1992, the United States Department of Energy submitted a request for temporary modification of the water quality criteria of the Columbia River during the period of January 1, 1994, through March 1, 1994 for the purpose of construction of the 300 Area Treated Effluent Disposal Facility outfall.

In view of the foregoing and in accordance with Revised Code of Washington (RCW) 90.48.120(2):

IT IS ORDERED that the water quality criteria specified in Washington Administrative Code (WAC) 173-201A-030(2)(c)(vi) are hereby modified for a limited period beginning January 1, 1994, and terminating at midnight, March 1, 1994.

This modification is subject to the following condition(s):

1. The applicant shall properly dispose of all construction debris on land in such a manner that it cannot enter into the waterway or cause water quality degradation to state waters.
2. Work in or near the waterway shall be done so as to minimize turbidity, erosion, other water quality impacts and stream bed deformation.
3. All planned sediment and erosion control measures shall be adjusted to meet field conditions at the time of construction so as to provide effective sediment and erosion control.
4. All areas disturbed by the project construction will be seeded with native vegetation, riprapped with clean, durable riprap, or given some other equivalent type of protection against erosion.

5. Extreme care shall be taken to prevent any petroleum products, fresh cement, lime or concrete, chemicals, or other toxic or deleterious materials from entering the water in any manner.
6. Fresh, uncured concrete in direct contact with the water is toxic to aquatic life. All concrete shall be poured in the dry, or within confined waters not being dewatered, and shall be allowed to cure a minimum of seven (7) days before contact with water.
7. All lumber treated with creosote or other protective material shall be completely dry before use in or near the waterway.
8. Dredge spoils and/or excess excavated material shall be transported and disposed of in a manner that prevents the spoils from entering state waters and prevents leachates or drainage from the spoils from degrading water quality.
9. If a hydraulic dredge is used, the dredge will be operated with the intake at or below the surface of the material being removed.
10. All digging passes shall be completed without any material, once in the bucket, being returned to the waterway.
11. No wood waste or other organic material may be used in the fill.
12. The activities must comply with all conditions contained in the Washington Department of Fisheries Hydraulic Project Approval, dated June 1, 1993, control number 00-53316-02.
13. All work must be completed by March 1, 1994, and any future dredging will require reapplication for a water quality standards modification.
14. This approval does not relieve the applicant from the responsibility of meeting applicable regulations of other agencies.
15. Mobile equipment that enters the water shall be maintained and operated such that a visible sheen from petroleum products will not appear.

ORDER NO. DE-93NH-223

Page 3

16. Only clean, durable riprap will be used. When filling the outfall trench, the upper 12 inches of the trench shall be back filled with clean, well rounded gravel ranging in size from 1/4 to 4 inches in diameter. If material removed as a result of the dredging operation meets these criteria, it may be used for back fill in the trench.
17. No free fall dumping of fill material is permitted.
18. Melodie Salby, Water Quality Engineer for Ecology, must be notified at (509) 736-3021, at least 24 hours prior to commencement of this work.
19. In the event of a spill or unauthorized discharge to waters of the state, the Hanford Project Office shall be notified immediately at (509) 735-7581.

The Department retains continuing jurisdiction to make modifications hereto through supplemental order, if it appears necessary to further protect the public interest during the modification period.

Any person who fails to comply with any provision of this Order shall be liable for a penalty of up to ten thousand dollars for each day of continuing noncompliance.

Any person feeling aggrieved by this order may obtain review thereof by application, within thirty (30) days of receipt of this order, to the Washington Pollution Control Hearings Board, P. O. Box 40903, Olympia, Washington 98504-0903. Concurrently send to the Director of the Department of Ecology, P. O. Box 47600, Olympia, Washington 98504-7600, a copy of the application for review and a copy to the Hanford Project Office, Department of Ecology, 7601 W. Clearwater Ave. Suite 102, Kennewick, WA 99336. These procedures are consistent with the provisions of Chapter 43.21B RCW and the rules and regulations adopted thereunder.

DATED at Richland, Washington

Dave Nylander 9/1/93

Dave Nylander  
Nuclear & Mixed Waste Management Program  
Hanford Project  
Department of Ecology

DE-93NH-223

Certification of Compliance with Department of the Army Permit

Permit Number: 92-2-00961

Name of Permittee: U.S. Department of Energy

Date of Issuance: DEC 29 1993

Upon completion of the activity authorized by this permit, sign this certification and return it to the following address:

Department of the Army  
Seattle District, Corps of Engineers  
Regulatory Branch  
Post Office Box C-3755  
Seattle, WA 98124-2255

Please note that your permitted activity is subject to a compliance inspection by an Army Corps of Engineers representative. If you fail to comply with this permit you are subject to permit suspension, modification, or revocation.

I hereby certify that the work authorized by the above referenced permit has been completed in accordance with the terms and conditions of the said permit.

---

Signature of Permittee



**This notice of authorization must be  
conspicuously displayed at the site of work.**

United States Army Corps of Engineers

DEC 29 1993

19\_\_\_\_\_

INSTALL AN OUTFALL LINE WITH DIFFUSER WITH BACKFILL. EXCAVATED MATERIAL  
TO BE DISPOSED OF ON THE UPLANDS (PROVIDE OUTFALL FOR NEW TREATMENT PLANT)  
A permit to IN THE COLUMBIA RIVER (RM 345.5)

at THE HANFORD 300 AREA NEAR RICHLAND, BENTON COUNTY, WASHINGTON

has been issued to U.S. DEPARTMENT OF ENERGY on DEC 29 1993  
19\_\_\_\_\_

Address of Permittee RICHLAND FIELD OFFICE, P.O. BOX 550, RICHLAND, WA  
99352

Permit Number

92-2-0961

*Walter J. Cunningham*  
WALTER J. CUNNINGHAM  
**District Commander**  
COLONEL, CORPS OF ENGINEERS

# CORRESPONDENCE DISTRIBUTION COVERSHEET

Author	Addressee	Correspondence No.
Department of the Army (N. M. Menard, WHC)	RL	Incoming:9400810

Subject: DREDGE AND FILL PERMIT

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