

Department of Energy

ada.

3562

WM Record File

101.2

WRIGHT VENNEDY (Return to WM, 628-SS)

FRUSTER

012 mattson

Distribution:

Richland Operations Office P.O. Box 550 Richland, Washington 99352

WM DOCKET CONTROL CENTER

MAY 21 MAR 26 198 **°8**5

WM Project 10

PDR _____

Docket No.

LPDR____

IINCHAN

4Jm

Mr. David W. Stevens State of Washington Department of Ecology, MS PV-11 Olympia, WA 98504

Mr. Max S. Power Joint Legislative Committee on Science and Technology Bl4 Institutions Building (AG-12) Olympia, WA 98504

Mr. Roger R. Jim, Sr., Chairman Yakima Tribal Council Yakima Indian Nation P. O. Box 151 Toppenish, WA 98948

Mr. Elwood H. Patawa, Chairman Board of Trustees Umatilla Confederated Tribes P. O. Box 638 Pendleton, OR 97801

Mr. Allen V. Pinkham, Chairman Nez Perce Tribal Executive Committee Box 305 Lapwai, ID 83540

Gentlemen:

MONTHLY TRANSMITTAL OF "SCHEDULE FOR NEAR TERM BWIP SITE CHARACTERIZATION ACTIVITIES"

Enclosed for your use is our monthly update and schedule for Site and Engineered Barriers Department activities in this precharacterization phase.

As committed, we will continue to update this information on a regular basis. Should you have any questions relative to this transmittal, please contact Mr. C. Thomas Tinsley of my staff on (509) 376-8736.

Very truly yours,

0. L. Olson, /Próject Manager Basalt Waste Isolation Project Office

BWI:CTT

Enclosure

8506060687 850326 PDR WASTE WM-10 PDR

1313

bcc's for letter, Olson to States/Indian Tribes, "Monthly Transmittal of Schedule for Near Term BWIP Site Characterization Activities"

> سمهی مأمورین مرجع پر مرجع

bcc, w/encl: Russell Jim, Yakima Indian Nation Ron Halfmoon, Nez Perce Tribe Ron Besser, Umatilla Confederated Tribes Wyatt Rogers, CERT Barry Gale, DOE-HQ Linda Lehman James B. Hovis F. R. Cook, NRC BWI Record Cy

bcc, w/o encl: BWI Rdg File BLT Rdg File CTT File AMCW Rdg File Archive

SITE AND ENGINEERED BARRIERS DEPARTMENT ACTIVITIES

٠

`) • ,

-

.

| Activities | Date |
|---|---|
| Site | |
| Groundwater monitoring of boreholes DC-19, DC-20, and DC-22 Monitoring of other boreholes Integrity testing, DB-14 Integrity testing, DB-1 Deepen Borehole 27-28 Drill cable tool start holes, RRL-2B, RRL-2C Drill rotary hole RRL-2C Surveying gravity at magnetic stations Electronmicroprobe analysis of flow top samples X-ray diffraction analysis of flow top samples Modeling gravity, magnetic data Collection of magnetic and gravity data Seismic data surveillance analysis Lab studies on sorption and chemical dissolution Test Cohassett in RRL-2A | Daily Weekly Complete O3/20-04/30/85 O3/18-04/01/85 O4/01-06/01/85 Jan - March Ongoing Ongoing Ongoing Ongoing Ongoing Daily O1/14-03/30/85 R3 |
| Solution Chemistry Laboratory Develop Method for rock analysis using ICP-AES Upgrade anium analysis on ion chromotography Develop method for analysis of groundwater tracer using HPLC Support to Site Department database development Development of method for training analysis using AA Procedure development Analysis of aqueous solution samples hydrothermal testing and groundwater sampling | Ongoing Ongoing Ongoing Ongoing Ongoing Ongoing Ongoing |
| <u>Microcharacterization (Solids) Laboratory</u> Scanning Transmission Electron Microscope - | |
| Analysis of flow-through run products Analysis of well-characterized brotite and chlorite as possible standards Analysis of Dickson autoclave run products | Ongoing Ongoing <u>-</u> Ongoing |
| X-Ray Diffractometer - | |
| Analysis of McCoy Canyon, Umtanum and high-Mg flow tops Analysis of flow-through run products Analysis of Dickson autoclave run products Analysis of Cohassett and Rocky Coulee flow tops Analysis of fault gauge Analysis of sedimentary interbed minerals | April 1985 R3 Ongoing Ongoing Ongoing Ongoing October 1985 |
| o Analysis of concrete samples | Ongoing R3 |

| | • | · · · · | | | |
|---|---|--|------------------------------|------------|-----|
| | *a 1, = , * | Activities | | Date | |
| | Ele | ectron Microprobe - | | | |
| | 0 | Analysis of Cohassett and Rocky Coule | Ongoing | | |
| | 0 | | | Ongoing | |
| | 0 | Analysis of Dickson Autoclave run pro | | Ongoing | Lo |
| | 0 | Analysis of oxide minerals in Rocky (| May 1985 | R | |
| | Rac | dioactive Hydrothermal Laboratory | | | |
| | 0 | Basalt and synthetic groundwater test | Ongoing | | |
| | o Radionuclide-doped simulated Savannah River Plant Defense glass | | | Ongoing | |
| | | + basalt and synthetic groundwater | C D D D D D D D D D D | 0.1.1 | , 0 |
| | 0 | Experiments are being conducted using forms in the presence of various wast (metal barriers and/or basalt) | October 1985 | R | |
| | 0 | Experiments are being conducted on th | e behavior of specific | Ongoing | |
| | Ŭ | radionuclide, introduced individually | | ongorng | |
| | | the presence of basalt at low tempera | | | |
| | Nor | -Radioactive Hydrothermal Laboratory | | | |
| | o Hydrothermal tests on basalt + bentonite + groundwater | | | Ongoing | |
| | 0 | groundwater | | Ongoing | |
| | | | | 0 | |
| | 0 | Determine the solubility of selenium | Ongoing | | |
| | ο | conditions simulating the near-field environment Evaluate Redox conditions in a hydrothermal experiment | | January | |
| | simulating a near-field environment | | oundur y | | |
| | ο | Dehydration experiments | | Ongoing | |
| | Was | te Package Packing Investigatory Testi | ng | | R |
| / | о | Uniaxial compression | 50 tests | Ongoing | |
| | õ | Brazillian tension | 50 tests | Ongoing | |
| | õ | Direct shear | 50 tests | Ongoing | |
| | o | 4-point flexure | 40 tests | Ongoing | |
| | 0 | Density | 100 tests | Ongoing | |
| | <u>Con</u> | crete Testing Laboratory | - | | |
| | ο | Hydraulic conductivity testing | 5 tests | Ongoing | • • |
| | 0 | Heat gain testing | 5 | On hold | |
| | Bac | kfill Testing Laboratory | | | |
| | 0 | Hydraulic conductivity tests | | Ongoing | |
| | o Start swelling, pressure permeameter tests | | | Late-March | |
| | 0 | o Possibility of (2) long-term flow through permeameter tests | | Late-March | |
| | 0 | Compaction tests on bentonite/basalt r | nixes | Ongoing | |