

HEALTH PHYSICS PROCEDURES

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HEALTH PHYSICS PROCEDURES

UMTRA Project
Prime Contract No. DE-AC04-83AL18796

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Designated Contact
M.F. Petelka

UMTRA PROJECT
REMEDIAL ACTION CONTRACTOR
HEALTH PHYSICS PROCEDURES

FEBRUARY 1991

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Prepared by:
CHEM-NUCLEAR SYSTEMS, INC.
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H.P. & E Manager, CHM UMTRAP



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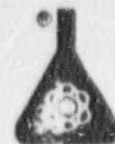
<u>TITLE</u>	<u>NO.</u>	<u>REV</u>
RADIOLOGICAL INSTRUMENTS AND CALIBRATION AND FUNCTIONAL CHECKS • Contains requirements for calibration, functional checks, potential problems, and required forms.	RAC-001	5
RADIATION PROTECTION AND DOSIMETRY PROGRAM • Contains requirements for TLDs, bioassay exposure limits and required forms.	RAC-002	8
SOURCE ACCOUNTABILITY AND LEAK TESTING • Contains requirements for licensable source handling and storage and required forms.	RAC-003	1
MONITORING AND CONTROL OF RADIOACTIVITY • Contains requirements for occupational and environmental air sampling, radioactive contamination of personnel and equipment.	RAC-004	5
RESPIRATORY PROTECTION PROGRAM • Contains requirements for respiratory use, maintenance and required forms.	RAC-005	Deleted June 22, 1988
EMERGENCY PREPAREDNESS POLICY • Contains requirements to protect property and personnel during emergency conditions.	RAC-006	1
DECONTAMINATION OF PERSONNEL AND EQUIPMENT • Contains requirements for decontamination of personnel and equipment.	RAC-007	1
HABITABLE STRUCTURE ALPHA SURVEY • Contains requirements for alpha surveys, direct and smear, standards and required forms.	RAC-008	2
PROBLEM REPORT • Contains requirements for resolving and controlling field related problems.	RAC-009	0

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AUGERING AND GAMMA LOGGING OF BOREHOLES • Contains requirements for augering and gamma logging boreholes indoors and outdoors, identification of contamination, background determination and required forms.	RAC-010	4
VICINITY PROPERTY GAMMA SURVEYS • Contains requirements for grid or scan gamma surveys, indoors and outdoors.	RAC-011	7
ENVIRONMENTAL RADON AND GAMMA MONITORING • Contains requirements for environmental radon concentrations control actions and required forms.	RAC-012	1
BORROW MATERIAL RADIOACTIVITY SCREENING • Contains requirements for verification of radioactive clean soil by gamma scanning.	RAC-013	2
EXCAVATION CONTROL PROCEDURES • Contains requirements for excavation control of sites and vicinity properties, sample control and required forms.	RAC-014	6
VERIFICATION PROCEDURES FOR VICINITY PROPERTIES AND TAILINGS SITES SOIL SAMPLING AND ANALYSIS • Contains requirements for verification of excavated areas, including gridding, measurements sampling and recording.	RAC-015	8
INDOOR STRUCTURE WORKING LEVEL VERIFICATION • Contains requirements for verification within structures. Grab sample and Track Etch.	RAC 016	6
RADIOLOGICAL QUALITY ASSURANCE PROCEDURE • Contains requirements for quality control checks on radiological measurements and analyses performed for dosimetry, environmental radon monitoring, and soil verification.	RAC-017	Deleted Feb. 8, 1991

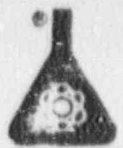
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HEALTH PHYSICS PERSONNEL TRAINING PROGRAM • Contains requirements of H.P. training program administered to H.P. personnel on the UMTRA Project.	RAC-018	3
SAMPLING AND TESTING FOR SITE CELL RADIOLOGICAL CHARACTERIZATION DURING CONSTRUCTION • Contains requirements for soil sampling to calculate radon barrier thickness	RAC-019	1
HEALTH PHYSICS DATABASE • Contains requirements for the development, handling, and control of Health Physics record files	RAC-020	0
VISUAL IDENTIFICATION OF NATURALLY OCCURRING URANIUM DEPOSITS AT THE SPOOK, WYOMING URANIUM MILL TAILINGS REMEDIAL ACTION PROJECT SITE • Contains requirements for identifying certain areas of the Spook Site as naturally occurring uranium deposits.	RAC-021	0
ALARA PROGRAM • Contains requirements concerning the RAC's ALARA policy	RAC-024	0
RADON FLUX MEASUREMENTS • Contains requirements to measure radon flux using charcoal canisters	RAC-025	0

APPENDICES

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