

PLUTONIUM

R

NSA/SOI NOTIFICATION

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407963

V125 MILLER, J.E. E-201  
NSA 33( 9) 15 MAY 1976

R8/73 1

22321 NSA 33(09) REPORT GEAP--14034-4

RADIOLOGICAL ASSESSMENT MODELS. FOURTH QUARTERLY REPORT, JUNE--AUGUST 1975.

(GENERAL ELECTRIC CO., SUNNYVALE, CALIF. (USA). FAST BREEDER REACTOR DEPT.) OCT 1975. 53P. AT

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CAT. 7790 REACTOR TECHNOLOGY \*\* REACTOR SAFETY AND ENVIRONMENTAL ASPECTS

- |                         |                              |
|-------------------------|------------------------------|
| AERODYNAMICS            | ALPHA SOURCES                |
| BIOLOGICAL MODELS       | BIOLOGICAL RADIATION EFFECTS |
| BODY BURDEN             | BODY FLUIDS                  |
| DEPOSITION              | DIFFUSION                    |
| ENVIRONMENT             | FIRES                        |
| FISSION PRODUCT RELEASE | FISSION PRODUCTS             |
| HEALTH HAZARDS          | HUMAN POPULATIONS            |
| INTERNAL IRRADIATION    | LMFBR TYPE REACTORS          |
| LUNG CLEARANCE          | LUNGS                        |
| MATHEMATICAL MODELS     | PARTICLE SIZE                |
| PERSONNEL               | +PLUTONIUM                   |
| RADIATION DOSES         | RADIATION HAZARDS            |
| RADIOACTIVE AEROSOLS    | RADIONUCLIDE KINETICS        |
| REACTOR CORE DISRUPTION | REACTOR SAFETY               |
| RESEARCH PROGRAMS       | RETENTION FUNCTIONS          |
| SODIUM                  | SODIUM COMPOUNDS             |
| SOLUBILITY              | SURFACE AIR                  |
| TIME DEPENDENCE         |                              |

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MAY 1976	
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NSA/SDI EVALUATION SHEET

V125 MILLER, J.F. E-201

R87

VOL 33 ISS 9

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V125 MILLER, J.E. E-201  
NSA 33(8) 30 APRIL 1976

R8/73 1

19549 NSA 33(08) REPORT EPA--520/3-75-019

RADIONUCLIDE PRODUCTION, TRANSPORT, AND RELEASE FROM NORMAL OPERATION OF  
LIQUID-METAL-COOLED FAST BREEDER REACTORS.

ERDMAN, C.A.; KELLY, J.L.; KIRBIYIK, M.; REYNOLDS, A.B. (VIRGINIA UNIV.,  
CHARLOTTESVILLE (USA). DEPT. OF NUCLEAR ENGINEERING) NOV 1975. 238P.  
TIC

+++

CAT. 7790 REACTOR TECHNOLOGY \*/\* REACTOR SAFETY AND ENVIRONMENTAL ASPECTS  
FISSION PRODUCT RELEASE FUEL ELEMENT FAILURE  
LMFBR TYPE REACTORS +PLUTONIUM  
RADIOACTIVE EFFLUENTS RADIONUCLIDE MIGRATION  
REVIEWS TRITIUM

19558 NSA 33(08) REPORT ORNL--5046

REACTOR STUDIES.

BARNES, P.R.; CHESTER, R.O.; DAVIS, R.R.; CHESTER, C.V.; CRISTY, G.A.;  
MANWEILER, R.W. (OAK RIDGE NATIONAL LAB., TENN. (USA)) SEP 1975. 14-  
52P.

+++

CAT. 7790 REACTOR TECHNOLOGY \*/\* REACTOR SAFETY AND ENVIRONMENTAL ASPECTS  
COOLING TOWERS ELECTROMAGNETIC PULSES  
HEALTH HAZARDS HURRICANES  
NUCLEAR EXPLOSIONS NUCLEAR PARKS  
+PLUTONIUM 239 RADIOACTIVE AEROSOLS  
REACTOR SAFETY REACTOR SITES  
SABOTAGE SECURITY  
TORNADOES

NSA/SDI EVALUATION SHEET

V125 MILLER, J.E. E-201

R87

VOL 33

ISS 8

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V125 PERKS, RUTH

PLUTONIUM

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V125 PERKS, RUTH OIS, WASHINGTON X4166 REV 8/30/73 1  
NSA 32( 8) 31 OCTOBER 1975

21698 NSA 32(08) BOOK / THESIS

PLUTONIUM PROBLEM.

JOHNSON, E.R.; MCBRIDE, J.A. NUCLEAR CONTROVERSY IN THE U.S.A. II.  
NEW YORK, ATOMIC INDUSTRIAL FORUM INC., 1974. VP, 18PP. SEE CONF-  
740596-- , WORKSHOP ON THE NUCLEAR CONTROVERSY IN THE U.S.A., LUCERNE,  
SWITZERLAND, 5 MAY 1974

+++

CAT. 7/90 REACTOR TECHNOLOGY \*/\* REACTOR SAFETY AND ENVIRONMENTAL ASPECTS

FUEL CYCLE

HAZARDS

+PLUTONIUM

PLUTONIUM RECYCLE

POWER REACTORS

SAFEGUARDS

NSA/SDI EVALUATION SHEET

V125 PERKS, RUTH OIS, WASHINGTON X4166 REV 8/30/73

VOL 32 ISS 8

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V125 PERKS, RUTH

NSA/SOI NOTIFICATION

*PLUTONIUM*

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V125 PERKS, RUTH DIS, WASHINGTON X4166 REV 8/30/73 1  
NSA 32(10) 30 NOVEMBER 1975

24343 NSA 32(10) REPORT CCNF-750662--1

BEHAVIOR OF PLUTONIUM AND OTHER LONG-LIVED RADIONUCLIDES IN LAKE MICHIGAN.

II. PATTERNS OF DEPOSITION IN THE SEDIMENTS.

EDGINGTON, D.N.; ROBBINS, J.A. (ARGONNE NATIONAL LAB., ILL. (USA)) 1975.

18P. DEP. N115 \$4.00. SYMPOSIUM ON RADIOLOGICAL IMPACTS OF RELEASES  
FROM NUCLEAR FACILITIES INTO AQUATIC ENVIRONMENTS, OTANIEMI, FINLAND,  
30 JUN 1975

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CAT. 4433 ENVIRONMENTAL AND EARTH SCIENCES \*\* RADIOACTIVITY MONITORING AND  
TRANSPORT \*\* WATER

DESIGN 137	DIFFUSION
DRILL CORES	FALLOUT DEPOSITS
LAKE MICHIGAN	+PLUTONIUM 239
+PLUTONIUM 240	RADIOACTIVITY
RADIONUCLIDE MIGRATION	SAMPLING
SEDIMENTATION	SEDIMENTS
TIME DEPENDENCE	

24344 NSA 32(10)

REPORT

CONF-750662--2

BEHAVIOR OF PLUTONIUM AND OTHER LONG-LIVED RADIONUCLIDES IN LAKE MICHIGAN.  
 I. BIOLOGICAL TRANSPORT, SEASONAL CYCLING, AND RESIDENCE TIMES IN THE  
 WATER COLUMN.

WAHLGREN, M.A.; MARSHALL, J.S. (ARCONNE NATIONAL LAB., ILL. (USA)) 1975.  
 21P. DEP. NTIS #4.25. SYMPOSIUM ON RADIOLOGICAL IMPACTS OF RELEASES  
 FROM NUCLEAR FACILITIES INTO AQUATIC ENVIRONMENTS, OTANIEMI, FINLAND,  
 30 JUN 1975

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CAT. 4433 ENVIRONMENTAL AND EARTH SCIENCES \*\* RADIOACTIVITY MONITORING AND  
 TRANSPORT \*\* WATER

AMERICIUM 241	AQUATIC ECOSYSTEMS
CESIUM 137	DEPTH
DIFFUSION	FALLOUT DEPOSITS
FOOD CHAINS	LAKE MICHIGAN
PLANKTON	*PLUTONIUM 239
*PLUTONIUM 240	RADIATION MONITORING
RADIOACTIVE WASTE MANAGEMENT	RADIOACTIVITY
RADIOECOLOGICAL CONCENTRATION	REACTORS
SEASONAL VARIATIONS	STRONTIUM 90
SURFACE WATERS	

25385 NSA 32(10)

REPORT

UCLA-ENG--7545

SAFETY RESEARCH NEEDS FOR CARBIDE AND NITRIDE FUELED LMFBR'S. FINAL  
 REPORT.

KASTENBERG, W.E. (CALIFORNIA UNIV., LOS ANGELES (USA). DEPT. OF ENERGY  
 AND KINETICS) JUN 1975. 67P. DEP. NTIS #6.75.

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CAT. 7790 REACTOR TECHNOLOGY \*\* REACTOR SAFETY AND ENVIRONMENTAL ASPECTS

AFTER-HEAT REMOVAL	LMFBR TYPE REACTORS
MATHEMATICAL MODELS	PLANNING
*PLUTONIUM CARBIDES	*PLUTONIUM NITRIDES
REACTOR CORE DISRUPTION	REACTOR SAFETY
RECOMMENDATIONS	RESEARCH PROGRAMS
URANIUM CARBIDES	URANIUM NITRIDES

NSA/SOI EVALUATION SHEET

V129 PERKS, RUTH OIS, WASHINGTON X416E REV 8/30/73

VOL 32 ISS 10

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24344 M S N

25385 M S N

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VI25 PERKS, RUTH DIS, WASHINGTON X4166 REV 8/30/73 1  
NSA 32(6) 30 SEPTEMBER 1975

14261 NSA 32(06) REPORT NP--20456

ENVIRONMENTAL EFFLUENTS FROM URANIUM-FUELED LIGHT WATER REACTOR.  
PIGEORD, T.H. (UNIV. OF CALIFORNIA, BERKELEY); KEATON, M.J.; MANN, B.  
J. (CALIFORNIA UNIV., BERKELEY (USA)) 1974. VP PAPER 3P.

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CAT. 4410 ENVIRONMENTAL AND EARTH SCIENCES	*/* MINERALS AND ORES
ENRICHMENT	ENVIRONMENTAL EFFECTS
FABRICATION	IODINE ISOTOPES
ISOTOPE SEPARATION	MINING
NUCLEAR FUELS	NUCLEAR POWER PLANTS
+PLUTONIUM ISOTOPES	RADIOACTIVE EFFLUENTS
RADIOACTIVE WASTES	RARE GASES
REACTORS	REPROCESSING
SPENT FUELS	TRANSPORT
TRITIUM	URANIUM
URANIUM FLUORIDES	URANIUM MINES
URANIUM ORES	URANIUM OXIDES U3O8
URANIUM 235	WASTE TRANSPORTATION

14262 NSA 32(06) REPORT NP--20456

ENVIRONMENTAL EFFLUENTS FROM URANIUM--PLUTONIUM FUELED BREEDER REACTOR.  
PIGEORD, T.H. (UNIV. OF CALIFORNIA, BERKELEY); KEATON, M.J.; MANN, B.  
J. (CALIFORNIA UNIV., BERKELEY (USA)) 1974. VP PAPER 5P.

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CAT. 4410 ENVIRONMENTAL AND EARTH SCIENCES	*/* MINERALS AND ORES
BREEDER REACTORS	COOLING
ENVIRONMENTAL EFFECTS	FABRICATION
MILLING	MINING
+PLUTONIUM	RADIATION ACCIDENTS
RADIOACTIVE EFFLUENTS	RADIOACTIVE WASTE MANAGEMENT
RADIOACTIVE WASTES	REPROCESSING
SPENT FUELS	TRANSPORT
URANIUM	URANIUM MINES

14271 NSA 32(06) JOURNAL

## MARKET FOR URANIUM AND PLUTONIUM.

MOMMSEN, J. (NUCLEAR EXCHANGE CORP., MENLO PARK, CA) PROC. AM. POWER CONF., 36, 241-246, 1974. SEE CONF-7404100--, AMERICAN POWER CONFERENCE, CHICAGO, 29 APR 1974

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CAT. 4410 ENVIRONMENTAL AND EARTH SCIENCES \*\* MINERALS AND ORES  
 COST ECONOMIC S  
 MARKET NUCLEAR FUELS  
 +PLUTONIUM POWER REACTORS  
 URANIUM

14296 NSA 32(06) REPORT HWL--1950(Pt.3)

## TRANSURANIUM ELEMENTS IN THE ATMOSPHERE.

THOMAS, C.W.; PERKINS, R.W. (BATTELLE PACIFIC NORTHWEST LABS., RICHLAND, WASH. (USA)) FEB 1975. 17-19P.

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CAT. 4421 ENVIRONMENTAL AND EARTH SCIENCES \*\* RADIOACTIVITY MONITORING AND TRANSPORT \*\* ATMOSPHERE

AIR POLLUTION	AMERICIUM 241
DIFFUSION	EARTH ATMOSPHERE
EARTH CRUST	FALLCUT
FALLCUT DEPOSITS	ISOTOPE RATIO
MIXING	NUCLEAR EXPLOSIONS
+PLUTONIUM 239	+PLUTONIUM 239
+PLUTONIUM 240	+PLUTONIUM 241
RADIATION MONITORING	RADIOACTIVITY
RADIOISOTOPE MIGRATION	SEASONAL VARIATIONS
STRATOSPHERE	SURFACE AIR
TIME DEPENDENCE	TRANSURANIUM ELEMENTS
TROPOSPHERE	

14297

NSA 32(06)

REPORT

BNWL--1950(PT.3)

ATMOSPHERIC FALLOUT DURING 1974 AT RICHLAND, WASHINGTON AND POINT BARROW,  
ALASKA.

THOMAS, C.W. (BATTELLE PACIFIC NORTHWEST LABS., RICHLAND, WASH. (USA))  
FEB 1975. 20-21P.

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CAT. 4431 ENVIRONMENTAL AND EARTH SCIENCES \*\* RADIOACTIVITY MONITORING AND  
TRANSPORT \*/\* ATMOSPHERE

ALASKA	AMERICIUM 241
CHINA	DIFFUSION
EARTH ATMOSPHERE	FALLOUT
NUCLEAR EXPLOSIONS	+PLUTONIUM 238
+PLUTONIUM 239	+PLUTONIUM 240
RADIATION MONITORING	RADIOACTIVITY
RADIONUCLIDE MIGRATION	SAMPLING
SURFACE AIR	WASHINGTON

16562

NSA 32(06)

REPORT

CRNL-TM--4676

EXPERIMENT FOR ACCURATE MEASUREMENTS OF FISSION PRODUCT ENERGY RELEASE FOR  
SHORT TIMES AFTER THERMAL-NEUTRON FISSION OF <sup>235</sup>U AND <sup>239</sup>Pu.

DICKENS, J.K.; PEFLE, P.V.; MAIENSCHN, F.C. (OAK RIDGE NATIONAL LAB.,  
TENN. (USA)) MAY 1975. 26P. DEP. NTIS \$4.50.

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CAT. 7790 REACTOR TECHNOLOGY \*/\* REACTOR SAFETY AND ENVIRONMENTAL ASPECTS

AFTER-HEAT	BWR TYPE REACTORS
FISSION PRODUCTS	LOSS OF COOLANT
+PLUTONIUM 239	PWR TYPE REACTORS
REACTOR SAFETY	URANIUM 235



NSA/SDI EVALUATION SHEET

V125 PERKS, RUTH DIS, WASHINGTON X4166 REV 8/30/73

VOL 22 ISS 6

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14262	M	S	N	14296	M	S	N	16502	M	S	N

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V129 PERKS, RUTH

PLUTONIUM

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V129 PERKS, RUTH OIS, WASHINGTON X4166 REV 8/30/73 1  
NSA 32(9) 19 NOVEMBER 1975

22282 NSA 32(9) JOURNAL

MAN-MADE PLUTONIUM IN FRESHWATER AND MARINE ENVIRONMENTS.  
KRISHNASHANKI, S. (PHYSICAL RESEARCH LAB., AHMEDABAD (INDIA)) PROC.  
INDIAN ACAD. SCI., SECT. A, 80, 3, 119-123, SEP 1974. 13 REFS.

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CAT. 4903 ENVIRONMENTAL AND EARTH SCIENCES \*\* RADIOACTIVITY MONITORING AND  
TRANSPORT \*\* WATER

AQUATIC ECOSYSTEMS  
FRESH WATER  
OCEANOGRAPHY  
+PLUTONIUM  
+PLUTONIUM 243  
RADIOACTIVITY  
SEDIMENTS

COASTAL WATERS  
LAKES  
PARTICLE SIZE  
+PLUTONIUM 239  
RADIATION MONITORING  
RADIOISOTOPE MIGRATION  
TRACER TECHNIQUES

NSA/SOI EVALUATION SHEET

VIZO PERKS, RUTH

OIS, WASHINGTON

X416E

REV 8/30/73

VOL 32

ISS 9

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22282 M S N , \*\*\*\*\* M S N \*\*\*\*\* M S N

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V125 PERKS, RUTH

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V125 PERKS, RUTH OIS, WASHINGTON X4166 REV 8/30/73 1  
NSA 32(1) 15 JULY 1975

00741 NSA 32(01) JOURNAL

CONCLUSIONS DRAWN FROM STUDIES ON THE CKLO NATURAL NUCLEAR REACTOR  
CONCERNING THE EVOLUTION IN THE GROUND OF RADIOACTIVE WASTE OVER A LONG  
PERIOD.

FREJACQUES, C. TRANS. AM. NUCL. SOC., 20, 695-696, APR 1975. EUROPEAN  
NUCLEAR CONFERENCE, PARIS, FRANCE, 21 APR 1975

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CAT. 4410 ENVIRONMENTAL AND EARTH SCIENCES \*/\* MINERALS AND ORES  
ALKALI METALS ALKALINE EARTH METALS  
CHAIN REACTIONS CLAYS  
FISSION PRODUCTS CARBON  
ION PROBES +PLUTONIUM  
RADIOACTIVE WASTES RARE EARTHS  
TRANSURANIUM ELEMENTS URANIUM DEPOSITS

02733 NSA 32(01) JOURNAL

HIGH-TEMPERATURE REACTOR SAFETY AND ENVIRONMENT.

BRISBOIS, J.; CHAPELOT, A.; CHARLES, J. TRANS. AM. NUCL. SOC., 20, 478-  
480, APR 1975. EUROPEAN NUCLEAR CONFERENCE, PARIS, FRANCE, 21 APR 1975

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CAT. 7790 REACTOR TECHNOLOGY \*/\* REACTOR SAFETY AND ENVIRONMENTAL ASPECTS  
COCLANTS ENVIRONMENTAL EFFECTS  
GRAPHITE HELIUM  
HTGR TYPE REACTORS LOSS OF COOLANT  
+PLUTONIUM PRESTRESSED CONCRETE  
RADIOACTIVE WASTES REACTOR SAFETY  
THORIUM

EVALUATION SHEET

VI25 PERKS, RUTH OIS, WASHINGTON X4166 REV 8/30/71

VCL 32 ISS 1

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00741 M S N 02733 M S N \*\*\*\*\* M S N

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**PLUTONIUM**

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V125 PERKS, RUTH OIS, WASHINGTON X4166 REV 8/30/73 1  
NSA 32( 2) 31 JULY 1975

03473 NSA 32(02) REPORT UCRL--51781

PLUME DEPLETION FOLLOWING POSTULATED PLUTONIUM DIOXIDE RELEASES FROM MIXED-  
OXIDE FUEL--FABRICATION PLANTS.

GUDIKSEN, P.H.; PETERSON, K.R.; LANGE, R.; KNOX, J.B. (CALIFORNIA UNIV.,  
LIVERMORE (USA). LAWRENCE LIVERMORE LAB.) 19 MAR 1975. 21P. DEP.  
NTIS \$4.00.

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CAT. 4421 ENVIRONMENTAL AND EARTH SCIENCES \*/\* RADIOACTIVE EFFLUENTS \*/\*  
ATMOSPHERE

A CODES	ACCIDENTS
COMPUTER CALCULATIONS	COMPUTER CODES
CONTAMINATION	DIFFUSION
ENVIRONMENT	FUEL FABRICATION PLANTS
GASEOUS WASTES	GEOGRAPHY
HEALTH HAZARDS	METEOROLOGY
PARTICLE SIZE	PARTICLES
PLUMES	+PLUTONIUM OXIDES
RADIATION MONITORING	RADIOACTIVE EFFLUENTS
STACK DISPOSAL	SURFACE AIR
TIME DEPENDENCE	

05643 NSA 32(02) JOURNAL

NUCLEAR CONTROVERSY- AMONG SCIENTISTS AND TECHNOLOGISTS, POLITICIANS, AND  
IN MASS MEDIA.

LOEFVEBERG, S. (STATENS STRAALSKYDDINSTITUT, STOCKHOLM) INGENIOER-NYTT.  
11, 9, 4-6, 7 MAR 1975. (IN NORWEGIAN) CONFERENCE ON NUCLEAR POWER-  
SHOULD WE HAVE DOUBTS, OSLO, NORWAY, 11 FEB 1975

+++

CAT. 7790 REACTOR TECHNOLOGY \*/\* REACTOR SAFETY AND ENVIRONMENTAL ASPECTS

HAZARDS	HUMAN POPULATIONS
NUCLEAR POWER	+PLUTONIUM
PUBLIC RELATIONS	RADIOACTIVE WASTE DISPOSAL
RADIOACTIVE WASTES	REACTOR SAFETY
TRANSPORT	

EVALUATION SHEET

V125 PERKS, RJTH

OIS, WASHINGTON

X4166

REV 8/30/73

VOL 32

ISS 2

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05643 M S N

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V125 PERKS, RUTH

NSA/SDI NOTIFICATION

PLUTONIUM  
1975 AUGUST 15

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V125 PERKS, RUTH OIS, WASHINGTON X4166 REV 8/30/73 1  
NSA 32( 3) 15 AUGUST 1975

06438 NSA 32(03) REPORT UCSD--34P84X9

MARINE GEOCHEMISTRY RESEARCH. PROGRESS REPORT.  
GOLDBERG, E.D. (CALIFORNIA UNIV., LA JOLLA, SAN DIEGO (USA). DEPT. OF  
CHEMISTRY) 11 MAR 1975. 6P. DEP. NTIS \$4.00.

+++

CAT. 4433 ENVIRONMENTAL AND EARTH SCIENCES \*/\* RADIOACTIVITY MONITORING AND  
TRANSPORT \*/\* WATER

FALLCUT	LEAD 210
PACIFIC OCEAN	+PLUTONIUM 238
+PLUTONIUM 239	+PLUTONIUM 240
RADIATION MONITORING	RADIOISOTOPE MIGRATION
SEDIMENTS	STRONTIUM 90

08243 NSA 32(03) REPORT WASH--1535(VOL.2)

LIQUID METAL FAST BREEDER REACTOR PROGRAM. VOLUME II. ENVIRONMENTAL  
STATEMENT.  
(USAEC, WASHINGTON, D.C.) DEC 1974. 945P. DEP. NTIS \$50.25.

+++

CAT. 7790 REACTOR TECHNOLOGY \*/\* REACTOR SAFETY AND ENVIRONMENTAL ASPECTS

CONSTRUCTION	ENVIRONMENT
ENVIRONMENTAL EFFECTS	ENVIRONMENTAL IMPACT STATEMENTS
FUEL CYCLE	FUEL FABRICATION PLANTS
FUEL REPROCESSING PLANTS	LMFBR TYPE REACTORS
+PLUTONIUM	RADIOACTIVE WASTE DISPOSAL
RADIOACTIVE WASTES	REACTOR ACCIDENTS
REACTOR OPERATION	REACTOR SITES
TOXICITY	TRANSFERT
USA	



NSA/SDI EVALUATION SHEET

V125 PERKS, RUTH OIS, WASHINGTON X4166 REV 8/30/73

VOL 32 ISS 3

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06438 M S N 08243 M S N \*\*\*\*\* M S N

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# PLUTONIUM

NSA/SDI NOTIFICATION

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V125 PERKS, RUTH OIS, WASHINGTON X4166 REV 8/30/73 1  
NSA 33( 4) 29 FEBRUARY 1976

07276 NSA 33(04) REPORT C00--3462-12

FISSION-TRACK STUDY OF THE URANIUM BIO-GEOCHEMISTRY IN CARBONATES OF  
BIKINI AND ENWETAK ATOLLS. PROGRESS REPORT, JULY 1, 1974--DECEMBER 31,  
1975.

LEVY, Y.; MILLER, D.S.; FRIEDMAN, G.M.; GOTER, E.R. (RENSSELAER  
POLYTECHNIC INST., TROY, N.Y. (USA). DEPT. OF GEOLOGY) SEP 1975. 35P.  
DEF. NTIS \$5.00.

+++

CAT. 4410 ENVIRONMENTAL AND EARTH SCIENCES	*/ * MINERALS AND ORES
ALPHA SPECTROSCOPY	EIKINI
CORALS	DISTRIBUTION
DRILL CORES	ENIWETOK
FISSION TRACKS	GEOCHEMISTRY
NUCLEAR REACTION ANALYSIS	+PLUTONIUM
URANIUM	

07297

NSA 33(04)

BOOK / THESIS

RELEASES OF KRYPTON-85 AND TRITIUM TO THE ENVIRONMENT AND TRITIUM TO  
KRYPTON-85 RATIOS AS SOURCE INDICATORS.

SCHROEDER, K.J.P.; ROETHER, W. ISOTOPE RATIOS AS POLLUTANT SOURCE AND  
BEHAVIOR INDICATORS. VIENNA, INTERNATIONAL ATOMIC ENERGY AGENCY, 1975.

231-253P. SEE STI/PUB--382; CONF-741120--, SYMPOSIUM ON ISOTOPE  
RATIOS AS POLLUTANT SOURCE AND BEHAVIOR INDICATORS, VIENNA, AUSTRIA, 18  
NOV 1974

+++

CAT. 4431 ENVIRONMENTAL AND EARTH SCIENCES \*/\* RADIOACTIVITY MONITORING AND  
TRANSPORT \*/\* ATMOSPHERE

AIR  
ENVIRONMENT  
ISOTOPE RATIO  
NUCLEAR POWER PLANTS  
RADIATION MONITORING  
RADIONUCLIDE MIGRATION

CONTAMINATION  
HYDROSPHERE  
KRYPTON 85  
+PLUTONIUM 239  
RADIOACTIVE EFFLUENTS  
TRITIUM

NSA/S&I EVALUATION SHEET

V125 PERKS, RUTH

OIS, WASHINGTON

X4166 REV 8/30/77

VOL 33

ISS 4

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07297 M S N

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V125 PERKS, RUTH

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DOCUMENTS. PLEASE FILL IN THE LAST PAGE OF THIS NOTIFICATION.

V125 PERKS, RUTH OIS, WASHINGTON X4166 REV 8/30/73 1  
NSA 33( 5) 15 MARCH 1976

09267 NSA 33(05) REPORT CONF-760202--4

DETECTION OF INTERNALLY DEPOSITED ACTINIDES. PART II. STATISTICAL  
TECHNIQUES AND RISK ANALYSIS.

GOANS, R.E. (OAK RIDGE NATIONAL LAB., TENN. (USA)) 1975. 7P. DEP.  
NTIS \$4.50. 9. TOPICAL SYMPOSIUM ON OPERATIONAL HEALTH PHYSICS, DENVER,  
COLORADO, USA, 9 FEB 1976

+++

PAT. 4431 ENVIRONMENTAL AND EARTH SCIENCES \*\* RADIOACTIVITY MONITORING AND  
TRANSPORT \*\* ATMOSPHERE

AMERICIUM 241	COMPUTERS
CONTAMINATION	CURIUM 244
ENVIRONMENTAL EFFECTS	GADOLINIUM 153
LUNGS	PERSONNEL
+PLUTONIUM 239	RADIATION DETECTION
RADIATION DOSES	RADIATION HAZARDS
RADIATION PROTECTION	SPECTRA
STATISTICS	STRONTIUM 90
URANIUM 233	

NOT RECORDED

NSA/SDI

09276 NSA 33(05)

REPORT

UCRL--51886

COMPUTER-CONTROLLED SAMPLING SYSTEM FOR AIRBORNE PARTICULATES.

HALL, C.F.; ANSPAUGH, L.R.; KOVAL, J.S.; PHELPS, P.L.; STEINHAUS, R.J. ( CALIFORNIA UNIV., LIVERMORE (USA). LAWRENCE LIVERMORE LAB.) 14 AUG 1975.

25P. DEP. NTIS \$3.50.

+++

CAT. 4431 ENVIRONMENTAL AND EARTH SCIENCES \*/\* RADIOACTIVITY MONITORING AND TRANSPORT \*/\* ATMOSPHERE

AEROSOLS  
AIR SAMPLERS  
COMPUTERS  
FILTERS  
METEOROLOGY  
SAMPLING

AIR POLLUTION  
COMPUTER CODES  
DATA ACQUISITION SYSTEMS  
MATHEMATICAL MODELS  
+PLUTONIUM 239

09280 NSA 33(05)

JOURNAL

PROBLEMS IN MEASURING PLUTONIUM IN THE ENVIRONMENT.

SILL, C.W. (IDAHO OPERATIONS OFFICE, IDAHO FALLS) HEALTH PHYS., 29, 4, 619-626, OCT 1975. PROCEEDINGS OF THE SECOND LOS ALAMOS LIFE SCIENCES SYMPOSIUM, LOS ALAMOS, NM, USA, 22 MAY 1974

+++

CAT. 4431 ENVIRONMENTAL AND EARTH SCIENCES \*/\* RADIOACTIVITY MONITORING AND TRANSPORT \*/\* ATMOSPHERE

ACCURACY  
HUMAN POPULATIONS  
QUALITATIVE CHEMICAL ANALYSIS  
RADIOACTIVITY  
TRACER TECHNIQUES

ENVIRONMENT  
+PLUTONIUM  
RADIATION MONITORING  
SAMPLING

NSA/SDI EVALUATION SHEET

V125 PERKS, RUTH OIS, WASHINGTON X4166 REV 8/30/73

VOL 33 ISS 5

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09267 M S V

09276 M S N

09280 M S N

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## NSA/SDI NOTIFICATION

**PLUTONIUM**

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V125 PERKS, RUTH OIS, WASHINGTON X4166 REV 8/30/73 1  
NSA 31(12) 30 JUNE 1975

33126 NSA 31(12) REPORT HASL--291

QUANTITATIVE HEALTH ESTIMATES OF TRANSURANIC RELEASES.  
BARR, N.F. (ENERGY RESEARCH AND DEVELOPMENT ADMINISTRATION, NEW YORK (USA). HEALTH AND SAFETY LAB.) 1 APR 1975. I.5-I.18P.

+++

CAT. 4431 ENVIRONMENTAL AND EARTH SCIENCES \*\* RADIOACTIVITY MONITORING AND TRANSPORT \*\* ATMOSPHERE

AIR	AMERICIUM ISOTOPES
AMERICIUM 241	BIOLOGICAL RADIATION EFFECTS
CAESIUM ISOTOPES	DECAY
FUEL CYCLE	HEALTH HAZARDS
HUMAN POPULATIONS	INGESTION
INHALATION	LMFR TYPE REACTORS
PARTICLES	+PLUTONIUM ISOTOPES
RADIATION DOSES	RADIOACTIVE WASTES
TRANSURANIUM ELEMENTS	

33127 NSA 31(12) REPORT HASL--291

TRANSURANIUM ELEMENTS IN THE ATMOSPHERE.  
THOMAS, C.W.; PERKINS, R.W. (ENERGY RESEARCH AND DEVELOPMENT ADMINISTRATION, NEW YORK (USA). HEALTH AND SAFETY LAB.) 1 APR 1975. I.80-I.103P.

+++

CAT. 4431 ENVIRONMENTAL AND EARTH SCIENCES \*\* RADIOACTIVITY MONITORING AND TRANSPORT \*\* ATMOSPHERE

AMERICIUM 241	CAESIUM 137
CONTAMINATION	DIFFUSION
ENVIRONMENTAL EFFECTS	FORECASTING
NUCLEAR EXPLOSIONS	NUCLEAR POWER PLANTS
+PLUTONIUM 238	+PLUTONIUM 239
+PLUTONIUM 240	+PLUTONIUM 241
RADIATION MONITORING	RADIOACTIVE WASTES
SATELLITES	SURFACE AIR
TRANSURANIUM ELEMENTS	



EVALUATION SHEET

V125 PERKS, RUTH OIS, WASHINGTON X4166 REV 8/30/73

VOL 31 ISS 12

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33126 M S N 33127 M S N \*\*\*\*\* M S N

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## NSA/SOI NOTIFICATION

PLUTONIUM

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V125 PERKS, RUTH OIS, WASHINGTON X4166 REV 8/30/73 1  
NSA 31(11) 15 JUNE 1975

29616 NSA 31(11) BOOK / THESIS

SURVEY AND MONITORING OF CONFINEMENT IN A PLUTONIUM IRRADIATED FUEL  
EXAMINATION FACILITY.

TAMAS, M.C. (CEA CENTRE D'ETUDES NUCLEAIRES DE FONTENAY-AUX-ROSES, 92 (FRANCE), SERVICE DE PROTECTION CONTRE LES RAYONNEMENTS) THE CONTAINMENT OF RADIOACTIVITY AND THE USE OF NUCLEAR ENERGY. PROCEEDINGS OF THE SEVENTH INTERNATIONAL CONGRESS, FRENCH SOCIETY FOR RADIOPROTECTION, VERSAILLES, 28-31 MAY 1974. MONTRouGE, FRANCE, SOCIETE FRANCAISE DE RADIOPROTECTION, 1974. 555-567p. (IN FRENCH) 7. INTERNATIONAL CONGRESS OF THE FRENCH SOCIETY FOR RADIOPROTECTION, VERSAILLES, FRANCE, 28 MAY 1974

+++

CAT. 4431 ENVIRONMENTAL AND EARTH SCIENCES \*/\* RADIOACTIVITY MONITORING AND  
TRANSPORT \*/\* ATMOSPHERE

AERIAL MONITORING  
ALARM SYSTEMS  
CONTAMINATION  
HOT LABS  
+PLUTONIUM  
RADIATION MONITORS  
RECORDING SYSTEMS

AIR SAMPLERS  
CEA FONTENAY-AUX-ROSES  
DATA PROCESSING  
PERSONNEL MONITORING  
RADIATION MONITORING  
RADIATION PROTECTION

EVALUATION SHEET

V125 PERKS, RUTH OIS, WASHINGTON X4166 REV 8/30/71

VOL 31 ISS 11

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29616 M S N \*\*\*\*\* M S N \*\*\*\*\* M S N

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V125 PERKS, RUTH

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V125 PERKS, RUTH OIS, WASHINGTON X4166 REV 8/30/73 1  
NSA 31( 8) 30 APRIL 1975

19529 NSA 31(08) BOOK / THESIS

INDEPENDENCE AND DETERRENCE. BRITAIN AND ATOMIC ENERGY, 1945--1952.  
VOLUME II. POLICY EXECUTION.  
GOWING, M.; ARNOLD, L. LONDON, MACMILLAN, 1974. 570P.

+++

CAT. 4250 ENGINEERING \*\* NUCLEAR EXPLOSIONS

AFRE  
NUCLEAR ENERGY  
NUCLEAR POWER  
ORGANIZING  
PLANNING  
PRODUCTION  
RADIOISOTOPES  
SAFETY  
UNITED KINGDOM

INDUSTRY  
NUCLEAR EXPLOSIONS  
NUCLEAR WEAPONS  
PERSONNEL  
+PLUTONIUM  
RADIATION PROTECTION  
RESEARCH PROGRAMS  
SECURITY.  
URANIUM 235

SEARCHED FOR INDEXED

EVALUATION SHEET

V125 PERKS, RUTH OIS, WASHINGTON X4166 REV 8/30/73

VOL 31 ISS 8

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19529 M S N \*\*\*\*\* M S N \*\*\*\*\* M S N

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19529 PERKS, RUTH

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V125 PERKS, RUTH DIS, WASHINGTON X4166 REV 8/30/73 1  
NSA 31(9) 15 MAY 1975

22631 NSA 31(09) REPORT RLO--2225-T18-7

DISTRIBUTION OF PLUTONIUM AND AMERICIUM IN BIKINI LAGOON.  
NEVISSI, A.; SCHELL, W.P. (WASHINGTON UNIV., SEATTLE (USA). LAB. OF  
RADIATION ECOLOGY) 5 MAR 1974. 32P. DEP. NTIS \$4.75.

+++  
CAT. 4433 ENVIRONMENTAL AND EARTH SCIENCES \*/\* RADIOACTIVITY MONITORING AND  
TRANSPORT \*/\* WATER

AMERICIUM 241	BIKINI
COASTAL WATERS	DIFFUSION
FLOW RATE	PARTICLE SIZE
PLANKTON	+PLUTONIUM 239
+PLUTONIUM 240	RADIATION MONITORING
RADIOECOLOGICAL CONCENTRATION	RADIONUCLIDE KINETICS
RADIONUCLIDE MIGRATION	SEAWATER
SEDIMENTS	VARIATIONS

22632 NSA 31(09) REPORT RLO--2225-T18-11

PLUTONIUM IN AQUEOUS SYSTEMS.  
SCHELL, W.R.; WATTERS, R.L. (WASHINGTON UNIV., SEATTLE (USA). LAB. OF  
RADIATION ECOLOGY; USAEC DIVISION OF BIOMEDICAL AND ENVIRONMENTAL  
RESEARCH, WASHINGTON, D.C.) 17 MAY 1974. 26P. DEP. NTIS \$4.50.

+++  
CAT. 4433 ENVIRONMENTAL AND EARTH SCIENCES \*/\* RADIOACTIVITY MONITORING AND  
TRANSPORT \*/\* WATER

AMERICIUM 241	AQUATIC ECOSYSTEMS
BIKINI	COASTAL WATERS
DIFFUSION	ENIWETOK
INVERTEBRATES	PLANKTON
+PLUTONIUM 239	+PLUTONIUM 240
RADIATION MONITORING	RADIOECOLOGICAL CONCENTRATION
RADIONUCLIDE KINETICS	RADIONUCLIDE MIGRATION
SEDIMENTS	VERTEBRATES

22633 NSA 31(09)

JOURNAL

DATA. SECTION II. WATER.  
RADIAT. DATA REP., 15, 12, 783, DEC 1974.

+++

CAT. 4433 ENVIRONMENTAL AND EARTH SCIENCES \*\* RADIOACTIVITY MONITORING AND  
TRANSPORT \*\* WATER

CALIFORNIA  
NEVADA  
+PLUTONIUM 239  
RADIOACTIVITY  
STRONTIUM 89  
URANIUM 234  
URANIUM 236

DRINKING WATER  
+PLUTONIUM 238  
RADIATION MONITORING  
RADIUM 226  
STRONTIUM 90  
URANIUM 235  
UTAH

24966 NSA 31(09)

JOURNAL

POST-SHUTDOWN FISSION-PRODUCT DECAY HEATING FOR PLUTONIUM-239-FUELED FAST  
REACTORS.

SPORRER, R.; CHRISTENSON, J.M. (UNIV. OF CINCINNATI) NUCL. TECHNOL., 25,  
3, 440-449, MAR 1975.

+++

CAT. 7790 REACTOR TECHNOLOGY \*\* REACTOR SAFETY AND ENVIRONMENTAL ASPECTS  
AFTER-HEAT  
FBR TYPE REACTORS  
+PLUTONIUM 239

COMPUTER CALCULATIONS  
FISSION PRODUCTS  
REACTOR SHUTDOWN

EVALUATION SHEET

V125 PERKS, RUTH DIS, WASHINGTON X4166 REV 8/30/73

VOL 31 ISS 9

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22631	M	S	N	22633	M	S	N	*****	M	S	N
22632	M	S	N	24966	M	S	N	*****	M	S	N

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V125 PERKS, RUTH

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V125 PERKS, RUTH OIS, WASHINGTON X4166 REV 8/30/73 1  
NSA 31(10) 31 MAY 1975

25764 NSA 31(10) REPORT AECL--5011

ENERGY FOR TOMORROW- NUCLEAR POWER AND THE ENVIRONMENT.  
BARRY, P.J. (ATOMIC ENERGY OF CANADA LTD., CHALK RIVER, ONTARIO. CHALK  
RIVER NUCLEAR LABS.) DEC 1974. 22P. DEP. NTIS (US SALES ONLY) \$4.25.  
AECL \$1.00. 1. WORLD CONGRESS OF ENVIRONMENTAL MEDICINE AND BIOLOGY,  
PARIS, FRANCE, 1 JUL 1974

+++

CAT. 4421 ENVIRONMENTAL AND EARTH SCIENCES \*\* RADIOACTIVE EFFLUENTS \*\*  
ATMOSPHERE

DIFFUSION  
ENVIRONMENT  
HUMAN POPULATIONS  
NUCLEAR POWER PLANTS  
RADIATION DOSES  
RADIOACTIVE WASTES  
REACTOR ACCIDENTS  
SURFACE AIR

DOSE COMMITMENTS  
GASEOUS WASTES  
MAXIMUM PERMISSIBLE BODY BURDEN  
+PLUTONIUM 239  
RADIOACTIVE AEROSOLS  
RADIONUCLIDE MIGRATION  
STANDARDS

EVALUATION SHEET

V125 PERKS, RUTH

OIS, WASHINGTON

X4166

REV 8/30/73

VOL 31

ISS 10

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V125 PERKS, RUTH OIS, WASHINGTON X4166 REV 8/3 /73 1  
NSA 33(7) 15 APRIL 1976

14829 NSA 33(7) REPORT PB--238772

ANNUAL CONFERENCE ON BIOASSAY (20TH), ENVIRONMENTAL, AND ANALYTICAL  
CHEMISTRY HELD AT STOFFER'S INN, CINCINNATI, OHIO, ON 24--25 SEPTEMBER  
1974. PROGRAM ABSTRACTS.

(NATIONAL ENVIRONMENTAL RESEARCH CENTER, CINCINNATI, OHIO (USA)) JAN  
1975. SEP. NTIS 34.25. 20. ANNUAL CONFERENCE ON BIOASSAY,  
ENVIRONMENTAL, AND ANALYTICAL CHEMISTRY, CINCINNATI, OHIO, UNITED  
STATES OF AMERICA (USA), 24 SEP 1974

+++  
CAT. 4431 ENVIRONMENTAL AND EARTH SCIENCES \*\* RADIOACTIVITY MONITORING AND  
TRANSPORT \*\* ATMOSPHERE

ABSTRACTS  
CHEMICAL ANALYSIS  
IODINE  
MEETINGS  
RADIATION MONITORING  
TRITIUM

AMERICIUM  
ENVIRONMENT  
LEAD  
+PLUTONIUM  
RADIOISOTOPES  
URANIUM

2025-08-11 11:23

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VOL 33

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\*\*\*\*\* M S N

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V125 PERKS, RUTH

NSA/SDI NOTIFICATION

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DOCUMENTS. PLEASE FILL IN THE LAST PAGE OF THIS NOTIFICATION.

V125 PERKS, RUTH OIS, WASHINGTON X4166 REV 8/30/73 1  
NSA 33(6) 31 MARCH 1976

11950 NSA 33(06) REPORT KURRI-TR--122

DISTRIBUTION OF HEAVY ELEMENTS IN ROCKS AND MINERALS.  
NISHIMURA, S. IND . 25-28P. (IN JAPANESE) INIS STUDY MEETING ON HEAVY  
NUCLIDES AND SUPERHEAVY NUCLIDES, KUMATORI, OSAKA, JAPAN, 18 SEP 1972

+++

CAT. 4410 ENVIRONMENTAL AND EARTH SCIENCES \*/\* MINERALS AND ORES  
CRYSTALLIZATION GEOCHEMISTRY  
GRANITES MINERALS  
NATURAL OCCURRENCE +PLUTONIUM 244  
SPATIAL DISTRIBUTION THORIUM  
URANIUM

12020 NSA 33(06) REPORT HASL--298

HASL SURFACE AIR SAMPLING PROGRAM. THE QUALITY OF ANALYSIS, 1974 .  
TOONKEL, L.; SCHONBERG, M.; VOLCHOK, H. (ENERGY RESEARCH AND  
DEVELOPMENT ADMINISTRATION, NEW YORK (USA). HEALTH AND SAFETY LAB.) 1  
JAN 1976. I.31-I.62P.

+++

CAT. 4431 ENVIRONMENTAL AND EARTH SCIENCES \*/\* RADIOACTIVITY MONITORING AND  
TRANSPORT \*/\* ATMOSPHERE  
BERYLLIUM 7 CERIUM 144  
CESIUM 137 ENVIRONMENT  
LEAD LEAD 210  
MONITORING +PLUTONIUM 239  
QUALITY ASSURANCE RADIATION MONITCRING  
RADIOMETRIC ANALYSIS SAMPLING  
STRONTIUM 90 SURFACE AIR  
ZIRCONIUM 95

NO. 10-1111A

12035 NSA 33(06)

JOURNAL

EFFECTS OF NUCLEAR ENERGY PRODUCTION ON HEALTH AND ENVIRONMENT.

DAVIDS, J.A.G. (STICHTING REACTOR CENTRUM NEDERLAND, THE HAGUE)

ATOMENERG. HAAR TOEPASS., 17, 9, 194-199, SEP 1975. (IN DUTCH)

SYMPOSIUM ON THE EFFECTS OF USE OF NUCLEAR AND FOSSIL ENERGY SOURCES  
WITH REGARD TO HEALTH AND ENVIRONMENT, UTRECHT, THE NETHERLANDS, 4 MAY  
1975

+++

CAT. 4431 ENVIRONMENTAL AND EARTH SCIENCES \*/\* RADIOACTIVITY MONITORING AND  
TRANSPORT \*/\* ATMOSPHERE

CAESIUM ISOTOPES

MAXIMUM PERMISSIBLE LEVEL

NUCLEAR POWER PLANTS

POWER GENERATION

RADIATION PROTECTION

RADIUM ISOTOPES

RUTHENIUM ISOTOPES

TRITIUM

ENVIRONMENT

NUCLEAR ENERGY

+PLUTONIUM ISOTOPES

RADIATION HAZARDS

RADIOISOTOPES

RECOMMENDATIONS

STRONTIUM ISOTOPES

DECLASSIFIED

NSA/SDI EVALUATION SHEET

V125 PERKS, RUTH OIS, WASHINGTON X4166 REV 8/30/73

VOL 33 ISS 6

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11950 M S N

12020 M S N

12035 M S N

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VI25 PERKS, RUTH

NSA/SDI NOTIFICATION

PLUTONIUM

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DOCUMENTS. PLEASE FILL IN THE LAST PAGE OF THIS NOTIFICATION.

VI25 PERKS, RUTH OIS, WASHINGTON X4166 REV 8/30/73 1  
NSA 30(12) 30 DECEMBER 1974

31982 NSA 30(12) REPORT FOA--C-4567-T3

RISKS FOR PRODUCTION OF NUCLEAR EXPLOSIVES IN SECRET.  
GYLDEN, N.; HOLM, L.W. (FORSVARETS FORSKNINGSANSTALT, STOCKHOLM ( SWEDEN)) MAR 1974. 29P. (IN SWEDISH) DEP. NTIS (US SALES ONLY) \$4.50.

+++

CAT. 4250 ENGINEERING \*\* NUCLEAR EXPLOSIONS  
CRIME DETECTION HAZARDS  
NUCLEAR EXPLOSIVES +PLUTONIUM  
PRODUCTION

32008 NSA 30(12) REPORT HASL--286

SEDIMENT SAMPLING NEAR MOUND LABORATORY, JULY 1974.  
VOLCHOK, H.L.; BURKE, J.C. (USAEC HEALTH AND SAFETY LAB., NEW YORK) 1  
OCT 1974. 1.71-1.81P.

+++

CAT. 4423 ENVIRONMENTAL AND EARTH SCIENCES \*\* RADIOACTIVE EFFLUENTS \*\* WATER  
AQUATIC ECOSYSTEMS DIFFUSION  
DRILL CORES FRESH WATER  
MOUND LABORATORY OHIO  
+PLUTONIUM RADIATION MONITORING  
SAMPLING SEDIMENTS

32043 NSA 30(12) REPORT EUR--5105-D/F/I/N

RESULTS OF ENVIRONMENTAL RADIOACTIVITY MEASUREMENTS IN THE COMMUNITY  
COUNTRIES IN 1972- AIR--FALLOUT--WATER.  
(COMMISSION OF THE EUROPEAN COMMUNITIES, LUXEMBOURG. DIRECTORATE FOR  
HEALTH AND SAFETY) 1974. 79P. (IN SEVERAL LANGUAGES) DEP. NTIS (US  
SALES ONLY) \$7.00.

+++



CAT. 4431 ENVIRONMENTAL AND EARTH SCIENCES \*\* RADIOACTIVITY MONITORING AND  
TRANSPORT \*\* ATMOSPHERE

BARIUM 140	BELGIUM
BERYLLIUM 7	BETA SOURCES
CANADA	CESIUM 137
COMMON MARKET	DRINKING WATER
ENVIRONMENT	FALLOUT
FRANCE	GERMAN FEDERAL REPUBLIC
ITALY	LUXEMBOURG
MANGANESE 54	NETHERLANDS
+PLUTONIUM 238	+PLUTONIUM 239
RADIATION MONITORING	RADIOACTIVITY
RUTHENIUM 103	RUTHENIUM 106
SEAWATER	STRONTIUM 90
SURFACE AIR	SURFACE WATERS
USA	ZIRCONIUM 95

32060 NSA 30(12) BOOK / THESIS

NUMERICAL MODEL FOR THE STUDY OF DISPERSION OF RADIOACTIVE POLLUTANTS IN  
AIR.

ZUCCARO-LABELLARTÉ, G. PHYSICAL BEHAVIOR OF RADIOACTIVE CONTAMINANTS IN  
THE ATMOSPHERE. VIENNA, INTERNATIONAL ATOMIC ENERGY AGENCY, 1974. 311-  
318P. SEE STI/PUB--354: CONF-731110--, SYMPOSIUM ON THE PHYSICAL  
BEHAVIOR OF RADIOACTIVE CONTAMINANTS IN THE ATMOSPHERE, VIENNA, AUSTRIA,  
12 NOV 1973

+++

CAT. 4431 ENVIRONMENTAL AND EARTH SCIENCES \*\* RADIOACTIVITY MONITORING AND  
TRANSPORT \*\* ATMOSPHERE

DIFFUSION	EARTH ATMOSPHERE
FUEL REPROCESSING PLANTS	KRYPTON 85
MATHEMATICAL MODELS	+PLUTONIUM 239
RADIATION MONITORING	RADIOACTIVE WASTE DISPOSAL
RADIOACTIVITY	RADIONUCLIDE MIGRATION
STACK DISPOSAL	TRITIUM

32084 NSA 30(12) REPORT ANL--8060(P.T.3)

RESIDENCE TIMES FOR /SUP 239/PU AND /SUP 137/CS IN LAKE MICHIGAN WATER.  
WAHLGREN, M.A.; NELSON, D.M. (ARGONNE NATIONAL LAB., ILL. (USA)) 1973.  
85-89P.

+++

CAT. 4433 ENVIRONMENTAL AND EARTH SCIENCES \*\* RADIOACTIVITY MONITORING AND  
TRANSPORT \*\* WATER

CESIUM 137	DEPTH
DIFFUSION	FALLOUT DEPOSITS
LAKE MICHIGAN	+PLUTONIUM 239
RADIATION MONITORING	RADIONUCLIDE MIGRATION
SEDIMENTS	STRONTIUM 90
SURFACE WATERS	TRITIUM

EVALUATION SHEET

VI25 PERKS, RUTH OIS, WASHINGTON X4166 REV 8/30/73

VOL 30 ISS 12

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31982	M	S	N	32043	M	S	N	32084	M	S	N
32008	M	S	N	32060	M	S	N	*****	M	S	N

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V125 PERKS, RUTH

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V125 PERKS, RUTH DIS, WASHINGTON X4166 REV 8/30/73 1  
NSA 30(11) 15 DECEMBER 1974

29361 NSA 30(11) REPORT BNWL--1850(Pt.3)

ATMOSPHERIC NATURAL AEROSOLS AND FALLOUT PARTICULATES DURING 1973 AT  
RICHLAND, WASHINGTON AND POINT BARROW, ALASKA.  
THOMAS, C.W. (BATTELLE PACIFIC NORTHWEST LABS., RICHLAND, WASH. (USA))  
APR 1974. 20-23P.

+++

CAT. 4431 ENVIRONMENTAL AND EARTH SCIENCES \*/\* RADIOACTIVITY MONITORING AND  
TRANSPORT \*/\* ATMOSPHERE

ALASKA	FALLOUT
NATURAL RADIOACTIVITY	+PLUTONIUM 238
+PLUTONIUM 239	RADIATION MONITORING
SURFACE AIR	WASHINGTON

29370 NSA 30(11) REPORT BNWL--1850(Pt.3)

RESUSPENSION OF TRACER PARTICLES BY WIND.  
SEHMEL, G.A.; LLOYD, F.D. (BATTELLE PACIFIC NORTHWEST LABS., RICHLAND,  
WASH. (USA)) APR 1974. 201-203P.

+++

CAT. 4431 ENVIRONMENTAL AND EARTH SCIENCES \*/\* RADIOACTIVITY MONITORING AND  
TRANSPORT \*/\* ATMOSPHERE

AIR POLLUTION	CALCIUM COMPOUNDS
CONTAMINATION	DIFFUSION
MOLYBDENUM COMPOUNDS	PARTICLES
+PLUTONIUM	SOILS
SURFACE AIR	TRACER TECHNIQUES
TRANSPORT	WIND

29371 NSA 30(11) REPORT BNWL--1850(Pt.3)

RESUSPENSION BY WIND AT ROCKY FLATS.

WASH. (USA) APR 1974. 204-211P.

+++

CAT. 4431 ENVIRONMENTAL AND EARTH SCIENCES \*\* RADIOACTIVITY MONITORING AND  
TRANSPORT \*\* ATMOSPHERE

AIR FILTERS  
DIFFUSION  
PARTICLE SIZE  
RADIATION MONITORING  
RADIONUCLIDE MIGRATION  
SAMPLING  
SOILS  
WIND

CONTAMINATION  
DISTRIBUTION  
+PLUTONIUM 239  
RADIOACTIVE WASTES  
ROCKY FLATS PLANT  
SEDIMENTATION  
SURFACE AIR

29372 NSA 30(11)

REPORT

BNWL--1850(P.T.3)

RESUSPENSION SOURCE CHANGE AT ROCKY FLATS.

SEHMEL, G.A.; ORGILL, M.M. (BATTELLE PACIFIC NORTHWEST LABS., RICHLAND,  
WASH. (USA)) APR 1974. 212-214P.

+++

CAT. 4431 ENVIRONMENTAL AND EARTH SCIENCES \*\* RADIOACTIVITY MONITORING AND  
TRANSPORT \*\* ATMOSPHERE

ATMOSPHERIC PRECIPITATIONS  
DIFFUSION  
+PLUTONIUM 239  
RADIOACTIVE WASTES  
SAMPLING  
SURFACE AIR

CONTAMINATION  
MATHEMATICAL MODELS  
RADIATION MONITORING  
ROCKY FLATS PLANT  
SOILS  
WIND

29375 NSA 30(11)

REPORT

BNWL--1850(P.T.3)

ASSESSMENT OF THE LONG-TERM EXPOSURE DUE TO RESUSPENSION.

HORST, T.W.; DROPPA, J.G.; ELDERKIN, C.E. (BATTELLE PACIFIC NORTHWEST  
LABS., RICHLAND, WASH. (USA)) APR 1974. 223-227P.

+++

CAT. 4431 ENVIRONMENTAL AND EARTH SCIENCES \*\* RADIOACTIVITY MONITORING AND  
TRANSPORT \*\* ATMOSPHERE

CONTAMINATION  
ENVIRONMENT  
METEOROLOGY  
RADIATION HAZARDS  
SURFACE AIR

DIFFUSION  
MATHEMATICAL MODELS  
+PLUTONIUM  
SOILS

29412 NSA 30(11)

JOURNAL

DATA. SECTION IV. OTHER DATA.

RADIAT. DATA REP., 15, 8, 518-547, AUG 1974.

+++

CAT. 4433 ENVIRONMENTAL AND EARTH SCIENCES \*\* RADIOACTIVITY MONITORING AND  
TRANSPORT \*\* WATER

ANTIMONY 125  
BARIUM 140  
BETA SOURCES  
CERIUM 141  
CESIUM 137  
GRASS  
IODINE 131  
MANGANESE 54  
NEPTUNIUM 237  
NUCLEAR EXPLOSIONS  
PLANTS  
+PLUTONIUM 239  
RADIATION MONITORING  
RADIOACTIVITY  
RADIOISOTOPE KINETICS  
RUTHENIUM 103  
SOILS  
STRONTIUM 90  
SURFACE WATERS  
THORIUM 230  
TRITIUM  
USA

ARGON 41  
BERYLLIUM 7  
BETTIS  
CERIUM 144  
COBALT 60  
HUMAN POPULATIONS  
LANTHANUM 140  
MILK  
NIObIUM 95  
PADUCAH PLANT  
+PLUTONIUM 238  
RADIATION DOSES  
RADIOACTIVE WASTES  
RADIOECOLOGICAL CONCENTRATION  
RHODIUM 106  
RUTHENIUM 106  
STRONTIUM 89  
SURFACE AIR  
THORIUM 228  
THORIUM 232  
URANIUM  
ZIRCONIUM 95

EVALUATION SHEET

V125 PERKS, RUTH DIS, WASHINGTON X4166 REV 8/30/73

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29361	M	S	N	29371	M	S	N	29375	M	S	N
29370	M	S	N	29372	M	S	N	29412	M	S	N

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V125 PERKS, RUTH

NSA/SDI NOTIFICATION

*PLUTONIUM*

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V125 PERKS, RUTH OIS, WASHINGTON X4166 REV 8/30/73 1  
NSA 30(7) 15 OCTOBER 1974

2045+ NSA 30(07) JOURNAL

HOW SAFE ARE FAST BREEDERS. A DISCUSSION IN THE USA.  
NACHR. CHEM. TECH., 22, 8, 155, APR 1974. (IN GERMAN) 3 REFS.

+++

CAT. 7790 REACTOR TECHNOLOGY \*\* REACTOR SAFETY AND ENVIRONMENTAL ASPECTS  
AMERICIUM 241 HUMAN POPULATIONS  
LMFBR TYPE REACTORS +PLUTONIUM 239  
RADIATION HAZARDS REACTOR SAFETY  
USA

EVALUATION SHEET

V125 PERKS, RUTH OIS, WASHINGTON X4166 REV 8/30/73

VOL 30 ISS 7

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20454 M S N \*\*\*\*\* M S N \*\*\*\*\* M S N

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V125 PERKS, RUTH OIS, WASHINGTON X4166 REV 8/30/73 1  
NSA 30(8) 31 OCTOBER 1974

21087 NSA 30(08) REPORT CN--1892

STATUS OF PRODUCT MONITORING BY HEALTH PHYSICS SECTION.  
PARKER, H.M. (CHICAGO UNIV., ILL. (USA)) SEP 1944. 9P. DEP. NTIS \$4.  
00.

+++  
CAT. 4431 ENVIRONMENTAL AND EARTH SCIENCES \*\* RADIOACTIVITY MONITORING AND  
TRANSPORT \*\* ATMOSPHERE

ALPHA SOURCES	DESIGN
ENVIRONMENT	MAXIMUM PERMISSIBLE INTAKE
PERSONNEL	PERSONNEL MONITORING
+PLUTONIUM	RADIATION MONITORING
RADIATION MONITORS	RADIOACTIVITY
SURFACE CONTAMINATION MONITORS	

21095 NSA 30(08) REPORT KFK--1899

SPACE AND EXHAUST GAS MONITORING IN REPROCESSING PLANTS OR OTHER LARGE  
TECHNICAL INSTALLATIONS.

FINSTERWALDER, L. MAR 1974. 147-151P. (IN GERMAN)

+++  
CAT. 4431 ENVIRONMENTAL AND EARTH SCIENCES \*\* RADIOACTIVITY MONITORING AND  
TRANSPORT \*\* ATMOSPHERE

AIR	AMERICIUM
CESIUM 134	CESIUM 137
CURIUM	FUEL REPROCESSING PLANTS
GASEOUS WASTES	GERMAN FEDERAL REPUBLIC
KRYPTON 85	OFF-GAS SYSTEMS
+PLUTONIUM	RADIATION MONITORING
RADIATION PROTECTION	RADIOACTIVE WASTES
RADIOACTIVITY	STRONTIUM 90
TRITIUM	

21102 NSA 30(08)

JOURNAL

DATA. SECTION III. AIR AND DEPOSITION.  
RADIAT. DATA REP., 15, 5, 269-279, MAY 1974.

+++

CAT. 4431 ENVIRONMENTAL AND EARTH SCIENCES \*\* RADIOACTIVITY MONITORING AND  
TRANSPORT \*\* ATMOSPHERE

ATMOSPHERIC PRECIPITATIONS	BETA SOURCES
CANADA	FALLOUT
MEXICO	+PLUTONIUM 238
+PLUTONIUM 239	RADIATION MONITORING
RADIOACTIVITY	SOUTH AMERICA
SURFACE AIR	USA

21103 NSA 30(08)

JOURNAL

DATA. SECTION III. AIR AND DEPOSITION.  
RADIAT. DATA REP., 15, 6, 346-355, JUN 1974.

+++

CAT. 4431 ENVIRONMENTAL AND EARTH SCIENCES \*\* RADIOACTIVITY MONITORING AND  
TRANSPORT \*\* ATMOSPHERE

ATMOSPHERIC PRECIPITATIONS	BETA SOURCES
CALIFORNIA	CANADA
FALLOUT	JAMAICA
+PLUTONIUM 238	+PLUTONIUM 239
RADIATION MONITORING	SOUTH AMERICA
SURFACE AIR	USA

21108 NSA 30(08)

REPORT

CONF-731117--8

EARLY SURVEILLANCE AROUND COASTAL NUCLEAR INSTALLATIONS.  
FOLSON, T.R.; HODGE, V.F. (SCRIPPS INSTITUTION OF OCEANOGRAPHY, LA  
JOLLA, CALIF. (USA)) 1973. 13P. DEP. NTIS \$4.00. SYMPOSIUM ON  
ENVIRONMENTAL SURVEILLANCE AROUND NUCLEAR INSTALLATION, WARSAW, POLAND,  
5 NOV 1973

+++

CAT. 4433 ENVIRONMENTAL AND EARTH SCIENCES \*\* RADIOACTIVITY MONITORING AND  
TRANSPORT \*\* WATER

AQUATIC ECOSYSTEMS	CESIUM 137
COASTAL WATERS	CORAL 58
COBALT 60	CONTAMINATION
ISOMERIC NUCLEI	MARINE DISPOSAL
+PLUTONIUM 238	+PLUTONIUM 239
POTASSIUM 40	RADIATION MONITORING
RADIOACTIVE WASTE DISPOSAL	RADIOACTIVE WASTES
RADIOACTIVITY	RADIOISOTOPE MIGRATION
REACTORS	SAN ONOFRE-1 REACTOR
SILVER 108	SILVER 110

V125 PERKS, RUTH

OIS, WASHINGTON

X4166

REV 8/30/73

VOL 30

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21087 M S N  
21095 M S N

21102 M S N  
21103 M S N

21108 M S N  
\*\*\*\*\* M S N

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## NSA/SDI NOTIFICATION

PLUTONIUM

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V125 PERKS, RUTH      OIS, WASHINGTON      X4166      REV 8/30/73      1  
NSA 30(6) 30 SEPTEMBER 1974

15411      NSA 30(06)      TRANSLATION      TT--74-50011

LONG-LIVED ALPHA-RADIOACTIVITY IN FALLOUT AT VILNIUS AND AT VARIOUS  
ATLANTIC LATITUDES.

STYRO, B.I.; SHPIRKAUSKAITE, N.K.; GASYUNAS, V.N.; KUPTSOV, V.M.  
TRANSLATED FROM RUSSIAN 1969. 201-207P. ALL-UNION CONFERENCE ON  
NUCLEAR METEOROLOGY, OBNINSK, USSR, 23 JUN 1969

+++

CAT. 4431 ENVIRONMENTAL AND EARTH SCIENCES \*\* RADIOACTIVITY MONITORING AND  
TRANSPORT \*\* ATMOSPHERE

ALPHA SOURCES  
ATLANTIC OCEAN  
FALLOUT  
RADIATION MONITORING  
THORIUM 232

ALPHA SPECTROSCOPY  
ATMOSPHERIC PRECIPITATIONS  
+PLUTONIUM 239  
RADIOACTIVE AEROSOLS  
URANIUM 238

15422      NSA 30(06)      JOURNAL

COMMENTS ON THE AUTORADIOGRAPHIC METHOD FOR OBTAINING PARTICLE SIZE DATA  
OF PLUTONIUM AEROSOLS.

SUNDARARAJAN, A.R.; DEWORM, J.P.; BERCKMANS, S. (CENTRE D'ETUDE DE L\*  
ENERGIE NUCLEAIRE, MOL, BELGIUM) HEALTH PHYS., 27, 1, 137-139, JUL 1974.

+++

CAT. 4431 ENVIRONMENTAL AND EARTH SCIENCES \*\* RADIOACTIVITY MONITORING AND  
TRANSPORT \*\* ATMOSPHERE

AUTORADIOGRAPHY  
INHALATION  
PARTICLES  
RADIATION DOSES

DUSTS  
PARTICLE SIZE  
+PLUTONIUM  
RADIOACTIVE AEROSOLS

15423      NSA 30(06)      JOURNAL

PLUTONIUM AEROSOL SIZE CHARACTERISTICS.

ELDER, J.C.; GONZALES, M.; ETTINGER, H.J. (LOS ALAMOS SCIENTIFIC LAB.,  
NM) HEALTH PHYS., 27, 1, 45-53, JUL 1974.

+++

CAT. 4431 ENVIRONMENTAL AND EARTH SCIENCES \*\* RADIOACTIVITY MONITORING AND  
TRANSPORT \*\* ATMOSPHERE

AIR CLEANING  
EFFICIENCY  
FILTRATION  
+PLUTONIUM  
REPROCESSING

AIR FILTERS  
FABRICATION  
PARTICLE SIZE  
RADIOACTIVE AEROSOLS

15435

NSA 30(06)

REPORT

COO--3568-4

PLUTONIUM AND AMERICIUM CONCENTRATION ALONG FRESH WATER FOOD CHAINS OF THE  
GREAT LAKES, U.S.A. GENERAL SUMMARY OF PROGRESS, 1973--1974.

BOWEN, V.T. (WOODS HOLE OCEANOGRAPHIC INSTITUTION, MASS. (USA)) 1974.  
47P. DEP. NTIS \$5.50.

+++

CAT. 4433 ENVIRONMENTAL AND EARTH SCIENCES \*\* RADIOACTIVITY MONITORING AND  
TRANSPORT \*\* WATER

AMERICIUM 241  
FISHES  
GREAT LAKES  
PLANTS  
+PLUTONIUM 240  
RADIOMETRIC ANALYSIS  
STRONTIUM 90

CESIUM 137  
FOOD CHAINS  
PLANKTON  
+PLUTONIUM 239  
RADIATION MONITORING  
SEDIMENTS  
WATER

EVALUATION SHEET

V125 PERKS, RUTH OIS, WASHINGTON X4166 REV 8/30/73

VOL 30 ISS 6

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15411	M	S	N	15423	M	S	N	*****	M	S	N
15422	M	S	N	15435	M	S	N	*****	M	S	N

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## NSA/SDI NOTIFICATION

PLUTONIUM

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V125 PERKS, RUTH OIS, WASHINGTON X4166 REV 8/30/73 1  
NSA 30(9) 15 NOVEMBER 1974

23994 NSA 30(09) REPORT CONF-730596--1

PLUTONIUM FUEL PROBLEM AS IT IS BEING APPROACHED AT SCRIPPS INSTITUTION.  
FOLSOM, T.R.; HODGE, V.F. (SCRIPPS INSTITUTION OF OCEANOGRAPHY, LA  
JOLLA, CALIF. (USA). SOLEDAD LAB.) (ND . 18P. SYMPOSIUM ON THE U.S.-U.  
S.S.R. MARINE WATER POLLUTION COMMITTEE, LA JOLLA, CALIFORNIA, USA, 24  
MAY 1973

+++

CAT. 4433 ENVIRONMENTAL AND EARTH SCIENCES \*/\* RADIOACTIVITY MONITORING AND  
TRANSPORT \*/\* WATER  
AQUATIC ECOSYSTEMS CHEMICAL PROPERTIES  
FALLOUT FISHES  
+PLUTONIUM RADIATION MONITORING  
SEAS

25959 NSA 30(09) REPORT WASH--1327(VOL.1)(DRAFT)

GESMO- GENERIC ENVIRONMENTAL STATEMENT ON THE USE OF RECYCLE PLUTONIUM IN  
MIXED OXIDE FUEL IN LWR'S. VOLUME 1. SUMMARY AND CONCLUSIONS.  
(USAEC DIRECTORATE OF LICENSING, WASHINGTON, D.C.) AUG 1974. 110P.  
DEP. NTIS \$8.50.

+++

CAT. 7790 REACTOR TECHNOLOGY \*/\* REACTOR SAFETY AND ENVIRONMENTAL ASPECTS  
BWR TYPE REACTORS COST BENEFIT ANALYSIS  
ECONOMICS ENVIRONMENT  
FUEL CYCLE NUCLEAR INDUSTRY  
NUCLEAR MATERIALS MANAGEMENT +PLUTONIUM  
PLUTONIUM DIOXIDE PWR TYPE REACTORS  
RADIOACTIVE WASTE MANAGEMENT REPROCESSING  
URANIUM DIOXIDE

25960 NSA 30(09) REPORT WASH--1327(VOL.2)(DRAFT)

GESMO- GENERIC ENVIRONMENTAL STATEMENT ON THE USE OF RECYCLE PLUTONIUM IN  
MIXED OXIDE FUEL IN LWR'S. VOLUME 2. CHAPTERS I, II, III.  
(USAEC DIRECTORATE OF LICENSING, WASHINGTON, D.C.) AUG 1974. 153P.  
DEP. NTIS \$10.75.

+++

CAT. 7790 REACTOR TECHNOLOGY \*/\* REACTOR SAFETY AND ENVIRONMENTAL ASPECTS  
BWR TYPE REACTORS ECONOMICS  
ENVIRONMENT FUEL CYCLE  
NUCLEAR MATERIALS MANAGEMENT +PLUTONIUM  
PLUTONIUM DIOXIDE PWR TYPE REACTORS  
RADIOACTIVE WASTE MANAGEMENT REPROCESSING  
URANIUM DIOXIDE

25961 NSA 30(09) REPORT WASH--1327(VOL.3)(DRAFT)

GESMO- GENERIC ENVIRONMENTAL STATEMENT ON THE USE OF RECYCLE PLUTONIUM IN  
MIXED OXIDE FUEL IN LWR'S. VOLUME 3. CHAPTER IV.  
(USAEC DIRECTORATE OF LICENSING, WASHINGTON, D.C.) AUG 1974. 539P.  
DEP. NTIS \$30.00.

+++

CAT. 7790 REACTOR TECHNOLOGY \*/\* REACTOR SAFETY AND ENVIRONMENTAL ASPECTS  
BWR TYPE REACTORS ENVIRONMENT  
FABRICATION FUEL CYCLE  
+PLUTONIUM PLUTONIUM DIOXIDE  
PWR TYPE REACTORS RADIATION HAZARDS  
RADIOACTIVE WASTE MANAGEMENT REPROCESSING  
URANIUM DIOXIDE

25962 NSA 30(09) REPORT WASH--1327(VOL.4)(DRAFT)

GESMO- GENERIC ENVIRONMENTAL STATEMENT ON THE USE OF RECYCLE PLUTONIUM IN  
MIXED OXIDE FUEL IN LWR'S. VOLUME 4. CHAPTERS V, VI, VII, VIII, IX, X,  
XI.

(USAEC DIRECTORATE OF LICENSING, WASHINGTON, D.C.) AUG 1974. 282P.  
DEP. NTIS \$17.25.

+++

CAT. 7790 REACTOR TECHNOLOGY \*/\* REACTOR SAFETY AND ENVIRONMENTAL ASPECTS  
BWR TYPE REACTORS COST BENEFIT ANALYSIS  
ENVIRONMENT FUEL CYCLE  
NUCLEAR MATERIALS MANAGEMENT +PLUTONIUM  
PLUTONIUM DIOXIDE PWR TYPE REACTORS  
REPROCESSING URANIUM DIOXIDE



EVALUATION SHEET

V125 PERKS, RUTH

OIS, WASHINGTON

X4166

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25960 M S N

25962 M S N

25959 M S N

25961 M S N

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PLUTONIUM

EVALUATION SHEET

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OIS, WASHINGTON

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06503 M S N

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\*\*\*\*\* M S N

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V125 PERKS, RUTH

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V125 PERKS, RUTH DIS, WASHINGTON X4166 REV 8/30/73 1  
NSA 30(3) 15 AUGUST 1974

06503 NSA 30(03) REPORT RFP-ENV--73

ANNUAL ENVIRONMENTAL MONITORING REPORT- ROCKY FLATS PLANT, JANUARY  
THROUGH DECEMBER 1973.

WERKEMA, G.J.; THOMPSON, M.A. (DOW CHEMICAL U.S.A., GOLDEN, COLO. ROCKY  
FLATS DIV.) 26 APR 1974. 37P. DEP. NTIS \$5.00.

+++

CAT. 4431 ENVIRONMENTAL AND EARTH SCIENCES \*/\* RADIOACTIVITY MONITORING AND  
TRANSPORT \*/\* ATMOSPHERE

AMERICIUM 241	COLORADO
CONTAMINATION	ENVIRONMENT
HEALTH HAZARDS	NONRADIOACTIVE WASTES
+PLUTONIUM 239	RADIATION MONITORING
RADIATION PROTECTION	RADIOACTIVE WASTES
RADIOACTIVITY	RECOMMENDATIONS
ROCKY FLATS PLANT	SURFACE AIR
SURFACE WATERS	TRITIUM
US AEC	WATER POLLUTION

DOE ARCHIVE

V125 PERKS, RUTH

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V125 PERKS, RUTH OIS, WASHINGTON X4166 RFV 8/30/73 1  
NSA 30(4) 31 AUGUST 1974

11960 NSA 30(04) REPORT WASH--1535-DR(VOL.1)

LIQUID METAL FAST BREEDER REACTOR PROGRAM. VOLUME I. SUMMARY AND  
BACKGROUND. ENVIRONMENTAL STATEMENT.

(USAFIC, WASHINGTON, D.C.) MAR 1974. 223P. DEP. NTIS \$14.50.

+++

CAT. 7790 REACTOR TECHNOLOGY \*/\* REACTOR SAFETY AND ENVIRONMENTAL ASPECTS  
COST BENEFIT ANALYSIS ECONOMICS  
ENVIRONMENT FUEL ASSEMBLIES  
FUEL CYCLE FUEL FABRICATION PLANTS  
FUEL REPROCESSING PLANTS LMFBR TYPE REACTORS  
+PLUTONIUM SOCIOLOGY  
TOXICITY TRANSPORT  
USA

11961 NSA 30(04) REPORT WASH--1535-DR(VOL.2)(PT.2)

LIQUID METAL FAST BREEDER REACTOR PROGRAM. VOLUME II. ENVIRONMENTAL  
IMPACT OF THE LMFBR. ENVIRONMENTAL STATEMENT.

(USAFIC, WASHINGTON, D.C.) MAR 1974. 532P. DEP. NTIS \$29.75.

+++

CAT. 7790 REACTOR TECHNOLOGY \*/\* REACTOR SAFETY AND ENVIRONMENTAL ASPECTS  
ACCIDENTS DEPOSITION  
ENVIRONMENT FISSION PRODUCTS  
FLUORINE FUEL CYCLE  
FUEL FABRICATION PLANTS FUEL REPROCESSING PLANTS  
HUMAN POPULATIONS HYDROFLUORIC ACID  
LEAKS LMFBR TYPE REACTORS  
+PLUTONIUM RADIATION ACCIDENTS  
RADIATION DOSES RADIOACTIVE WASTES  
REACTOR COOLING SYSTEMS REGULATORY GUIDES  
TANKS TRANSPORT  
USA WASTE MANAGEMENT

EVALUATION SHEET

V125 PERKS, RUTH

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VOL 30

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11961 M S N

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V125 PERKS, RUTH OIS, WASHINGTON X4166 REV 8/30/73 1  
NSA 30( 2) 31 JULY 1974

03168 NSA 30(02) JOURNAL

FALLOUT /SUP 240/PU AND /SUP 230/PU IN ATLANTIC MARINE SAMPLES.  
NOSHKIN, V.E. JR.; GASTROUSIS, C. (WOODS HOLE OCEANOGRAPHIC INSTITUTION,  
MA) EARTH PLANET. SCI. LETT., 22, 2, 111-117, MAY 1974.

- +++  
CAT. 4433 ENVIRONMENTAL AND EARTH SCIENCES \*/\* RADIOACTIVITY MONITORING AND  
TRANSPORT \*/\* WATER
- |                              |                   |
|------------------------------|-------------------|
| AQUATIC ECOSYSTEMS           | ATLANTIC OCEAN    |
| ATMOSPHERIC EXPLOSIONS       | BIOGEOCHEMISTRY   |
| BIOLOGICAL RADIATION EFFECTS | DEPTH             |
| FALLOUT                      | MASS SPECTROSCOPY |
| NUCLEAR EXPLOSIONS           | +PLUTONIUM 239    |
| +PLUTONIUM 240               | QUANTITY RATIO    |
| RADIATION MONITORING         | SEDIMENTATION     |
| SURFACE WATERS               |                   |

EVALUATION SHEET

V125 PERKS, RUTH

DIS, WASHINGTON

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REV 8/30/77

VOL 30

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03168 M S N

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\*\*\*\*\* M S N

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V125 PERKS, RUTH OIS, WASHINGTON X4166 REV 8/30/73 1  
NSA 30(1) 15 JULY 1974

00295 NSA 30(01) REPORT HASL--281 AND APP.

FALLOUT PROGRAM. QUARTERLY SUMMARY REPORT, DECEMBER 1, 1973--MARCH 1, 1974.

HARDY, E.P. JR. (USAEC HEALTH AND SAFETY LAB., NEW YORK) 1 APR 1974.  
742P. DEP. NTIS \$13.60.

+++

CAT. 4431 ENVIRONMENTAL AND EARTH SCIENCES \*/\* RADIOACTIVITY MONITORING AND  
TRANSPORT \*/\* ATMOSPHERE

ATMOSPHERIC EXPLOSIONS

BETA SOURCES

CERIUM 144

DIET

DRINKING WATER

GLOBAL FALLOUT

NEW YORK CITY

+PLUTONIUM 238

POLAND

RADIATION MONITORING

RADIOCHEMICAL ANALYSIS

RADIONUCLIDE KINETICS

STRONTIUM 90

ZIRCONIUM 95

ATMOSPHERIC PRECIPITATIONS

BONE TISSUES

CESIUM 137

DISTRIBUTION

FALLOUT

MILK

NUCLEAR EXPLOSIONS

+PLUTONIUM 239

RADIATION DOSES

RADIOACTIVITY

RADIOECOLOGICAL CONCENTRATION

STRATOSPHERE

SURFACE AIR

02070 NSA 30(01) BOOK / THESIS

ANALYSIS OF THE BEHAVIOR OF FISSION PRODUCT GAS IN SOLID FAST REACTOR  
OXIDE FUEL UNDER TRANSIENT HEATING CONDITIONS.

DIAS, J.W.C. LOS ANGELES, UNIV. OF CALIFORNIA, 1973. 253P. UNIVERSITY  
MICROFILMS ORDER NO. 73-32,057.

+++

CAT. 7790 REACTOR TECHNOLOGY \*/\* REACTOR SAFETY AND ENVIRONMENTAL ASPECTS

BUBBLES

FAILURES

FISSION PRODUCTS

GASES

+PLUTONIUM OXIDES

COMPUTER CALCULATIONS

FAST REACTORS

FUEL PINS

HEAT TRANSFER

SOLID FUELS



SWELLING  
TRANSIENTS

TEMPERATURE DEPENDENCE  
URANIUM DIOXIDE

02085 NSA 30(01) BOOK / THESIS

REACTION OF SODIUM WITH URANIUM--PLUTONIUM OXIDE AND URANIUM OXIDE FUELS.  
BLACKBURN, P.E. BEHAVIOR AND CHEMICAL STATE OF IRRADIATED CERAMIC FUELS.  
VIENNA, INTERNATIONAL ATOMIC ENERGY AGENCY, 1974. 393-410P. PANEL  
ON THE BEHAVIOUR AND CHEMICAL STATE OF IRRADIATED CERAMIC FUELS, VIENNA,  
AUSTRIA, 7 AUG 1972

+++

CAT. 7790 REACTOR TECHNOLOGY \*/\* REACTOR SAFETY AND ENVIRONMENTAL ASPECTS  
CHEMICAL REACTIONS FUEL-COOLANT INTERACTIONS  
LMFBR TYPE REACTORS PHASE STUDIES  
+PLUTONIUM OXIDES SODIUM  
THERMODYNAMIC PROPERTIES URANATES  
URANIUM DIOXIDE

02086 NSA 30(01) BOOK / THESIS

THERMODYNAMIC STUDIES OF THE SODIUM FUEL REACTION AT GENERAL ELECTRIC.  
ADAMSON, M.G.; AITKEN, E.A.; EVANS, S.K. BEHAVIOR AND CHEMICAL STATE OF  
IRRADIATED CERAMIC FUELS. VIENNA, INTERNATIONAL ATOMIC ENERGY AGENCY,  
1974. 411-420P. PANEL ON THE BEHAVIOUR AND CHEMICAL STATE OF  
IRRADIATED CERAMIC FUELS, VIENNA, AUSTRIA, 7 AUG 1972

+++

CAT. 7790 REACTOR TECHNOLOGY \*/\* REACTOR SAFETY AND ENVIRONMENTAL ASPECTS  
CHEMICAL REACTIONS FUEL-COOLANT INTERACTIONS  
LMFBR TYPE REACTORS OXYGEN  
+PLUTONIUM OXIDES REVIEWS  
SODIUM THERMODYNAMICS  
URANIUM DIOXIDE

EVALUATION SHEET

V125 PERKS, RUTH

OIS, WASHINGTON

X4166

REV 8/30/

VOL 30

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00295 M S N

02085 M S N

\*\*\*\*\* M S N

02070 M S N

02086 M S N

\*\*\*\*\* M S N

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NO ANSWERS

PLUTONIUM

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V125 PERKS, RUTH OIS, WASHINGTON X4166 REV 8/30/73 1  
NSA 29(12) 30 JUNE 1974

29315 NSA 29(12) REPORT ANL--8078

ENVIRONMENTAL MONITORING AT ARGONNE NATIONAL LABORATORY. ANNUAL REPORT, 1973.

SEDLER, J.; GOLCHERT, M.W.; DUFFY, T.L. (ARGONNE NATIONAL LAB., ILL. (USA)) MAR 1974. 88P. DEP. NTIS \$5.45.

+++

CAT. 4431 ENVIRONMENTAL AND EARTH SCIENCES \*\* RADIOACTIVITY MONITORING AND TRANSPORT \*\* ATMOSPHERE

ALPHA SOURCES	ANL
ARGON 41	BETA SOURCES
ENVIRONMENT	GAMMA RADIATION
GRASS	HUMAN POPULATIONS
ILLINOIS	MILK
NONRADIOACTIVE WASTES	PLANTS
+PLUTONIUM 238	+PLUTONIUM 239
RADIATION DOSES	RADIATION MONITORING
RADIOACTIVE WASTES	RADIOACTIVITY
RESEARCH REACTORS	SOILS
STRONTIUM 89	STRONTIUM 90
SURFACE AIR	SURFACE WATERS
THORIUM 228	THORIUM 230
THORIUM 232	TRITIUM
URANIUM	WATER POLLUTION

29316 NSA 29(12) REPORT BNWL--1850(P.T.2)

SUSPENDED PARTICLE INTERACTION.

(BATTELLE PACIFIC NORTHWEST LABS., RICHLAND, WASH. (USA)) JAN 1974. 51-56P.

+++

CAT. 4431 ENVIRONMENTAL AND EARTH SCIENCES \*\* RADIOACTIVITY MONITORING AND TRANSPORT \*\* ATMOSPHERE

DEPOSITION	EARTH ATMOSPHERE
FALLOUT	PLANTS
+PLUTONIUM	RADIATION HAZARDS
RADIOACTIVE AEROSOLS	SURFACES

WIND TUNNELS

29320

NSA 29(12)

REPORT

LA--5520-MS

RELATIONSHIP BETWEEN AIR SAMPLING DATA FROM GLOVE BOX WORK AREAS AND INHALATION RISK TO THE WORKER.

GONZALES, M.; ETTINGER, H.J.; STAFFORD, R.G.; BRECKINRIDGE, C.E. (LOS ALAMOS SCIENTIFIC LAB., N.MEX. (USA)) MAR 1974. 12P. DEP. NTIS \$4.00.

+++

CAT. 4431 ENVIRONMENTAL AND EARTH SCIENCES \*/\* RADIOACTIVITY MONITORING AND TRANSPORT \*/\* ATMOSPHERE

AEROSOL MONITORING

EFFICIENCY

GLOVEBOXES

LEAKS

PARTICLE SIZE

PERSONNEL

+PLUTONIUM 238

RADIATION HAZARDS

RADIOACTIVE AEROSOLS

AIR SAMPLERS

ENVIRONMENT

INHALATION

MOCKUP

PERFORMANCE TESTING

+PLUTONIUM OXIDES

+PLUTONIUM 239

RADIATION MONITORING

TRACER TECHNIQUES

29325

NSA 29(12)

REPORT

NVO--410-22

ENVIRONMENTAL RADIOACTIVITY AT THE NEVADA TEST SITE, JULY 1967 THROUGH JUNE 1968.

(REYNOLDS ELECTRICAL AND ENGINEERING CO., INC., LAS VEGAS, NEV. (USA). ENVIRONMENTAL SCIENCES DEPT.) JUL 1969. 89P. DEP. NTIS \$5.45.

+++

CAT. 4431 ENVIRONMENTAL AND EARTH SCIENCES \*/\* RADIOACTIVITY MONITORING AND TRANSPORT \*/\* ATMOSPHERE

BETA SOURCES

FALLOUT

GROUND WATER

PLANTS

RADIATION MONITORING

SOILS

SURFACE WATERS

ENVIRONMENT

GAMMA SOURCES

NEVADA TEST SITE

+PLUTONIUM

RADIOACTIVITY

SURFACE AIR

29332

NSA 29(12)

REPORT

UCRL--51547

ENVIRONMENTAL LEVELS OF RADIOACTIVITY IN THE VICINITY OF THE LAWRENCE LIVERMORE LABORATORY. 1973 ANNUAL REPORT.

SILVER, W.J.; LINDEKEN, C.L.; MEADOWS, J.W.; HUTCHIN, W.H.; MCINTYRE, D. R. (CALIFORNIA UNIV., LIVERMORE (USA). LAWRENCE LIVERMORE LAB.) 4 MAR 1974. 49P. DEP. NTIS \$4.00.

+++

CAT. 4431 ENVIRONMENTAL AND EARTH SCIENCES \*/\* RADIOACTIVITY MONITORING AND TRANSPORT \*/\* ATMOSPHERE

BETA SOURCES

DIET

ENVIRONMENT  
GAMMA RADIATION  
LAWRENCE LIVERMORE LABORATORY  
+PLUTONIUM 238  
RADIATION DOSES  
RADIOACTIVITY  
SOILS  
SURFACE AIR  
TRITIUM  
URANIUM 235

FALLCUT  
HUMAN POPULATIONS  
PLANTS  
+PLUTONIUM 239  
RADIATION MONITORING  
RADIONUCLIDE KINETICS  
STRONTIUM 90  
SURFACE WATERS  
URANIUM 235

29333 NSA 29(12)

REPORT

UCRL--75484

RESUSPENSION OF PLUTONIUM- A PROGRESS REPORT.

ANSPAUGH, L.R.; PHELPS, P.L.; KENNEDY, N.C.; BOOTH, H.G.; GOLUBA, R.W.;  
REICHMAN, J.R.; KOVAL, J.S. (CALIFORNIA UNIV., LIVERMORE (USA).  
LAWRENCE LIVERMORE LAB.) 19 FEB 1974. 62P. DEP. NTIS \$5.25.

+++

CAT. 4431 ENVIRONMENTAL AND EARTH SCIENCES \*/\* RADIOACTIVITY MONITORING AND  
TRANSPORT \*/\* ATMOSPHERE

AEROSOL MONITORING  
AMERICIUM 241  
EARTH ATMOSPHERE  
METEOROLOGY  
NUCLEAR EXPLOSIONS  
+PLUTONIUM  
+PLUTONIUM 239  
RADIATION HAZARDS  
RADIOACTIVE AEROSOLS  
RESEARCH PROGRAMS  
SOILS  
WIND

AIR SAMPLERS  
DISTRIBUTION  
FALLCUT  
NEVADA TEST SITE  
PARTICLE SIZE  
+PLUTONIUM 238  
+PLUTONIUM 240  
RADIATION MONITORING  
RADIONUCLIDE MIGRATION  
SCHOONER EVENT  
USA

29334 NSA 29(12)

BOOK / THESIS

WIND-DRIVEN REDISTRIBUTION OF SURFACE-DEPOSITED RADIOACTIVITY.

ANSPAUGH L.R. (UNIV. OF CALIFORNIA, LIVERMORE); PHELPS, P.L.; KENNEDY,  
N.C.; BOOTH, H.G. ENVIRONMENTAL BEHAVIOR OF RADIONUCLIDES RELEASED IN  
THE NUCLEAR INDUSTRY. VIENNA, INTERNATIONAL ATOMIC ENERGY AGENCY, 1973.  
167-184P. SEE STI/PUR--345; CONF-730503-- , SYMPOSIUM ON  
ENVIRONMENTAL BEHAVIOR OF RADIONUCLIDES RELEASED IN THE NUCLEAR  
INDUSTRY, AIX-EN-PROVENCE, FRANCE, 14 MAY 1973

+++

CAT. 4431 ENVIRONMENTAL AND EARTH SCIENCES \*/\* RADIOACTIVITY MONITORING AND  
TRANSPORT \*/\* ATMOSPHERE

DIFFUSION  
EARTH CRUST  
HUMAN POPULATIONS  
METEOROLOGY  
RADIATION HAZARDS  
RADIOACTIVE AEROSOLS  
SCHOONER EVENT  
WIND

EARTH ATMOSPHERE  
FALLCUT DEPOSITS  
INHALATION  
+PLUTONIUM 239  
RADIATION MONITORING  
RADIONUCLIDE MIGRATION  
TUNGSTEN 181

29349

NSA 29(12)

REPORT

BNWL--1850(PT.2)

PHYSICAL AND RADIOLOGICAL CHEMISTRY OF OCEAN SOLUTIONS.

(BATTELLE PACIFIC NORTHWEST LABS., RICHLAND, WASH. (USA)) JAN 1974.  
108-115P.

+++

CAT. 4433 ENVIRONMENTAL AND EARTH SCIENCES \*/\* RADIOACTIVITY MONITORING AND  
TRANSPORT \*/\* WATER

ANTARCTICA  
BERYLLIUM 7  
COASTAL WATERS  
LIVER  
PACIFIC OCEAN  
+PLUTONIUM 239  
RADIONUCLIDE KINETICS  
TRACE AMOUNTS  
WASHINGTON

ATLANTIC OCEAN  
BIRDS  
COBALT 60  
MAMMALS  
+PLUTONIUM 238  
RADIATION MONITORING  
SEDIMENTS  
UPTAKE

EVALUATION SHEET

V125 PERKS, RUTH

OIS, WASHINGTON

X4166

REV 8/30/

VOL 29

ISS 12

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29315 M S N  
29316 M S N  
29320 M S N

29325 M S N  
29332 M S N  
29333 M S N

29334 M S N  
29349 M S N  
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V125 PERKS, RUTH OIS, WASHINGTON X4166 REV 8/30/73 1  
NSA 29( 9) 15 MAY 1974

20854 NSA 29(09) JOURNAL

NATURAL OCCURRENCE OF LANTHANIDES, ACTINIDES, AND SUPERHEAVY ELEMENTS.  
KELLER, C. (KERNFORSCHUNGSZENTRUM, KARLSRUHE, GER.) CHEM. ZTG.. 97, 10,  
522-530, OCT 1973.

+++

CAT. 4410 ENVIRONMENTAL AND EARTH SCIENCES	*/*	MINERALS AND ORES
ACTINIDES		GARON
ISOTOPE RATIO		LUNAR MATERIALS
METEORITES		MINERALS
NATURAL OCCURRENCE		NEPTUNIUM 237
ORES		+PLUTONIUM 239
+PLUTONIUM 244		PROMETHIUM 147
RAPE EARTHS		TRANS 104 ELEMENTS
URANIUM		

20865 NSA 29(09) REPORT LA--5482-PR

CONTAMINATION LIMITS FOR REAL AND PERSONAL PROPERTY. PROGRESS REPORT FOR  
THE PERIOD JANUARY--JUNE 1973.

HEALY, J.W. (LOS ALAMOS SCIENTIFIC LAB., N.MEX. (USA)) JAN 1974. 58P.  
DEP. NTIS \$4.00.

+++

CAT. 4431 ENVIRONMENTAL AND EARTH SCIENCES	*/*	RADIOACTIVITY MONITORING AND
	*/*	TRANSPORT
		ATMOSPHERE
DIFFUSION		EARTH CRUST
PHYSICAL PROPERTIES		+PLUTONIUM
RADIONUCLIDE MIGRATION		SOILS
SURFACE AIR		SURFACE CONTAMINATION
WIND		

11/17/73



EVALUATION SHEET

V125 PERKS, RUTH

OIS, WASHINGTON

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V125 VORESS, H.E. CIS, WASHINGTON  
NSA 29( 3) 30 APRIL 1974

REV 8/30/73 1

18363 NSA 29(08) JOURNAL

DATA. SECTION II. WATER.  
RADIAT. DATA REP., 15, 1, 13-19, JAN 1974.

+++  
CAT. 4433 ENVIRONMENTAL AND EARTH SCIENCES \*/\* RADIOACTIVITY MONITORING AND  
TRANSPORT \*/\* WATER

- |                      |                |
|----------------------|----------------|
| ALPHA SOURCES        | BETA SOURCES   |
| CALIFORNIA           | CESIUM 137     |
| DRINKING WATER       | FALLCUT        |
| GROUND WATER         | NEVADA         |
| +PLUTONIUM 238       | +PLUTONIUM 239 |
| RADIATION MONITORING | RADIOACTIVITY  |
| RADIUM 226           | STRONTIUM 89   |
| STRONTIUM 90         | SURFACE WATERS |
| URANIUM 234          | URANIUM 235    |
| URANIUM 238          | UTAH           |

EVALUATION SHEET

VI25 VGRESS, H.E.

CIS, WASHINGTON

REV 8/30/77

VCL 29

ISS 8

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18363 M S N

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V125 VORESS, H.E.

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V125 VORESS, H.E. OIS, WASHINGTON  
NSA 29( 7) 15 APRIL 1974

REV 8/30/73 1

15559 NSA 29(07) BOOK / THESIS

ANOMALIES OF THE NATURAL ISOTOPIC ABUNDANCE OF /SUP 239/PU.

MEIER, H.; BOESCHE, D.; ALBRECHT, W.; HECKER, W.; MENGE, P.; UNGER, E.;  
ZEITLER, G.; ZIMMERHACKL, E. 1973. VP. (IN GERMAN) 24. IUPAC CONGRESS,  
HAMBURG, GER., 2 SEP 1973

+++

CAT. 4410 ENVIRONMENTAL AND EARTH SCIENCES	*/ * MINERALS AND ORES
GEOCHEMISTRY	IGNEOUS ROCKS
ISOTOPE RATIO	MINERALS
NATURAL OCCURRENCE	NATURAL RADIOACTIVITY
+PLUTONIUM 238	+PLUTONIUM 239
SEDIMENTARY ROCKS	SEPARATION PROCESSES
TRACER TECHNIQUES	TRANS 104 ELEMENTS
URANIUM 238	

EVALUATION SHEET

V125 VORESS, H.E.

OIS, WASHINGTON

REV 8/30/7

VOL 29

ISS 7

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V125 VORESS, H.E.

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V125 VORESS, H.E. OIS, WASHINGTON  
NSA 29( 6) 31 MARCH 1974

REV 8/30/73 1

14735 NSA 29(06) REPORT HEDL-TME--73-5(VOL.2)

HEDL QUARTERLY TECHNICAL REPORT, JULY--SEPTEMBER 1973. VOLUME 2.  
REACTOR AND SAFETY ENGINEERING.

GRACE, J.N. (HANFORD ENGINEERING DEVELOPMENT LAB., RICHLAND, WASH. (USA)  
) OCT 1973. 152P. AT

+++

CAT. 7790 REACTOR TECHNOLOGY \*/\* REACTOR SAFETY AND ENVIRONMENTAL ASPECTS

CONFIGURATION	DESIGN
FFTF REACTOR	MOCKUP
+PLUTONIUM OXIDES	REACTIVITY WORTHS
REACTOR CORE DISRUPTION	REACTOR CORES
REACTOR KINETICS	REACTOR SAFETY
RESEARCH PROGRAMS	SHIELDING
URANIUM DIOXIDE	ZPR-9 REACTOR

EVALUATION SHEET

V125 VORESS, H.E.

OIS, WASHINGTON

REV 8/30/

VOL 29

ISS 6

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BLDG. 50 ROOM 130

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V125 VORESS, H.E. OIS, WASHINGTON  
NSA 29( 5) 15 MARCH 1974

REV 8/30/73 1

11995 NSA 29(05) REPORT CEA-CCNF--2419

STUDY OF THE REACTIONS BETWEEN (U,PU)C/SUB 2/ FUEL AND SODIUM.  
HOUSSEAU, M.; MARIN, J.F.; ANSELIN, F.; DEAN, G. (CEA CENTRE D'ETUDES  
NUCLEAIRES DE FONTENAY-AUX-ROSES, 92 (FRANCE)) [ND . 26P. (IN FRENCH)  
DEP. NTIS (U.S. SALES ONLY) \$3.50. SYMPOSIUM ON FUEL AND ELEMENTS FOR  
FAST REACTORS, BRUSSELS, BELGIUM, 2 JUL 1973

+++  
CAT. 7790 REACTOR TECHNOLOGY \*/\* REACTOR SAFETY AND ENVIRONMENTAL ASPECTS  
CHEMICAL REACTIONS DIFFUSION  
FAILURES FISSION PRODUCTS  
FUEL CANS FUEL-CLAD INTERACTIONS  
+PLUTONIUM OXIDES RAPSCCIE REACTOR  
SODIUM URANIUM DIOXIDE

12022 NSA 29(05) REPORT INIS-MF--862

THEORETICAL DIAGNOSIS OF MAXIMUM CREDIBLE ACCIDENT AND ENERGY RELEASES IN  
PURNIMA.  
GARG, S.B. (BHABHA ATOMIC RESEARCH CENTRE, BOMBAY (INDIA)) 1973. 8P.  
INIS SYMPOSIUM ON NUCLEAR SCIENCE AND ENGINEERING, BOMBAY, INDIA, 13  
MAR 1973

+++  
CAT. 7790 REACTOR TECHNOLOGY \*/\* REACTOR SAFETY AND ENVIRONMENTAL ASPECTS  
ENERGY LOSSES EQUATIONS OF STATE  
MELTDOWN +PLUTONIUM OXIDES  
PURNIMA REACTOR

12025 NSA 29(05) REPORT INIS-MF--865

AEROSOL STUDIES RELATING TO FAST REACTOR SAFETY.  
KOTRAPPA, P. (BHABHA ATOMIC RESEARCH CENTRE, BOMBAY (INDIA)) 1973. 7P.  
INIS SYMPOSIUM ON NUCLEAR SCIENCE AND ENGINEERING, BOMBAY, INDIA, 13



MAR 1973

CAT. 7790 REACTOR TECHNOLOGY \*/\* REACTOR SAFETY AND ENVIRONMENTAL ASPECTS  
AIR POLLUTION  
ENVIRONMENT  
FISSION PRODUCTS  
RADIOACTIVE AEROSOLS  
REACTOR ACCIDENTS  
REACTOR SAFETY  
SAFETY  
SODIUM COOLED REACTORS  
DIFFUSION  
FAST REACTORS  
+PLUTONIUM  
RADIOISOTOPE MIGRATION  
REACTOR OPERATION  
REACTOR SHUTDOWN  
SODIUM  
URANIUM

EVALUATION SHEET

V125 VORESS, H.E.

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REV 8/30/73

VOL 29

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V125 VORESS, H.E.

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V125 VORESS, H.E. OIS, WASHINGTON  
NSA 29(4) 28 FEBRUARY 1974

REV 8/30/73 1

09486 NSA 29(04)

REPORT

FEDL-SA--510

EXPERIMENTAL METHODS FOR OBSERVING THE MELTING BEHAVIOR OF IRRADIATED  
FUELS.

SLAGLE, O.D.; HINMAN, C.A.; WEBER, E.T. (LANFORC ENGINEERING  
DEVELOPMENT LAB., RICHLAND, WASH. (USA)) 1973. 13P. DEP. NTIS \$3.00.  
AMERICAN CERAMICS SOCIETY NUCLEAR DIVISION MEETING, SAN FRANCISCO,  
CALIFORNIA, USA, 29 OCT 1973

+++

CAT. 7790 REACTOR TECHNOLOGY \*/\* REACTOR SAFETY AND ENVIRONMENTAL ASPECTS  
FAILURES FBR TYPE REACTORS  
FUEL ELEMENTS LMFBR TYPE REACTORS  
MECHANICAL STRUCTURES MELTCCWN  
MELTING PHYSICAL PROPERTIES  
+PLUTONIUM OXIDES REACTOR SAFETY  
TELEVISION TESTING  
URANIUM DIOXIDE



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V125 VGRESS, H.E. OIS, WASHINGTON  
NSA 29(1) 15 JANUARY 1974

REV 8/30/73 1

00385 NSA 29(01) REPORT LA-UR--73-954

MATHEMATICAL MODEL FOR THE TRANSPORT OF ENVIRONMENTAL PLUTONIUM.  
TRAVIS, J.R. (LOS ALAMOS SCIENTIFIC LAB., N.MEX. (USA)) [ND . 7P. DEP.  
NTIS \$3.00. JOINT MEETING OF THE AMERICAN NUCLEAR SOCIETY AND THE  
ATOMIC INDUSTRIAL FORUM AND NUCLEAR ENERGY EXHIBITION, SAN FRANCISCO,  
CALIFORNIA, USA, 11 NOV 1973

+++

CAT. 4431 ENVIRONMENTAL AND EARTH SCIENCES \*/\* RADIOACTIVITY MONITORING AND  
TRANSPORT \*/\* ATMOSPHERE  
AEROSOLS DIFFUSION  
EARTH ATMOSPHERE ENVIRONMENT  
MATHEMATICAL MODELS PARTICLES  
+PLUTONIUM RADIONUCLIDE MIGRATION  
TRANSPORT

00394 NSA 29(01) REPORT COO--3563-14

FALLOUT RADIONUCLIDES IN OCEANIC WATER COLUMNS. SEMI-ANNUAL PROGRESS  
REPORT TO GEOSSECS.  
VOLCHOK, H.L.; BOWEN, V.T. (USAEC HEALTH AND SAFETY LAB., NEW YORK;  
WOODS HOLE OCEANOGRAPHIC INSTITUTION, MASS. (USA)) 1973. 23P. DEP.  
NTIS \$3.25.

+++

CAT. 4433 ENVIRONMENTAL AND EARTH SCIENCES \*/\* RADIOACTIVITY MONITORING AND  
TRANSPORT \*/\* WATER  
ATLANTIC OCEAN CESIUM 137  
DATA FALLOUT DEPOSITS  
+PLUTONIUM 239 RADIATION MONITORING  
RADIOACTIVITY SALINITY  
SEAWATER STRONTIUM 90  
TEMPERATURE DISTRIBUTION

INFLUENCE OF THE PHYSICO-CHEMICAL FORMS OF RADIONUCLIDES AND STABLE TRACE ELEMENTS IN SEAWATER IN RELATION TO UPTAKE BY THE MARINE BIOSPHERE.

ROBERTSON, D.F. MARINE RADIOECOLOGY. PARIS, ORGANIZATION FOR ECONOMIC CO-OPERATION AND DEVELOPMENT, 1972. 21-93P. SEE CONF-710988-- , MARINE RADIOECOLOGY SYMPOSIUM, HAMBURG, F.R. GERMANY, 20 SEP 1971

+++

CAT. 4433 ENVIRONMENTAL AND EARTH SCIENCES \*/\* RADIOACTIVITY MONITORING AND TRANSPORT \*/\* WATER

ANIMALS  
CHEMICAL PROPERTIES  
FALLOUT DEPOSITS  
PARTICLES  
PLANTS  
RADIOACTIVE WASTES  
RUTHENIUM 106  
SOLUTIONS  
ZINC 65

BIOSPHERE  
COLLOIDS  
IRON 55  
PHYSICAL PROPERTIES  
+PLUTONIUM 239  
RADIOISOTOPES  
SEAS  
UPTAKE

100-100-111115

EVALUATION SHEET

VI25 VORESS, H.E.

DIS, WASHINGTON

REV 8/30/

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