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TID-5001 (3rd Rev., Suppl. 1)

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SUBJECT HEADINGS

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SUPPLEMENT 1

CLASSIFIED AND DECLASSIFIED SUBJECT HEADINGS

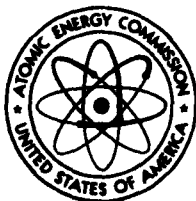
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USAC Office of Technical Information Esterline, Oak Ridge, Tennessee

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INTRODUCTION

This listing of classified and declassified subject headings is issued as a supplement to TID-5001 (3rd Rev.) *Subject Headings Used by the USAEC Technical Information Service*. This publication lists classified subject headings which were formerly included in the publications listed below and classified headings which have been added since these publications were issued:

- CA-1927 (9th Rev.), Subject Headings Used in the Catalogs of the United States Atomic Energy Commission
- CA-1927 (7th Rev.), Supplement No. 2: PPF Process
- CA-1927 (7th Rev.), Supplement No. 6: Recuplex Process

The subject headings which are still classified are listed in Part 1; the headings which have been declassified are listed in Part 2. The declassified headings will be included in the next revision of TID-5001.

Detailed information on subject heading patterns, terminology, and arrangement will be found in the Introduction to TID-5001 (3rd Rev.). This publication (Supplement 1) and TID-5001 (3rd Rev.) jointly supersede CA-1927 (9th Rev.), CA-1927 (7th Rev.) Supplement No. 2, and CA-1927 (7th Rev.) Supplement No. 6.

Revisions of this publication will be issued concurrently with revisions of the unclassified subject heading authority, TID-5001.

[REDACTED]



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Part 1

CLASSIFIED SUBJECT HEADINGS

Classified subject headings are listed in this Part. Headings which are preceded by an asterisk were included in TID-5001 (3rd Rev.) and are included in this Part for cross reference information (e.g., see also references).

*Alloys

see also *Tritium Production Alloys*

Ambient Air Systems

see *Gaseous Diffusion Plant Ambient Air Systems*

*Atmospheres

see also *Gaseous Diffusion Plant Ambient Air Systems*

*Atomic Explosions

see also *Totem Burst 1*

Totem Burst 2

*Bearings

x Gaseous Diffusion Plant Engineering

Gaseous Diffusion Plant Equipment

Beryllium Oxide—Magnesium Oxide—Yttrium Oxide Systems

Beryllium Oxide—Uranium Oxide—Yttrium Oxide Systems

Blowers

(Relatively low pressure, high capacity; including K-25 process pumps, except W-pumps.)

x Gaseous Diffusion Plant Engineering

*Bronze

see also *Slug Coatings (Bronze)*

— Recovery

see also *Slug Canning—Bronze Recovery*

xx Slug Canning—Bronze Recovery

Central Instrumentation Systems

see *Gaseous Diffusion Plant Instrumentation (Central Controls)*

Compressors

(Relatively high pressure, low capacity; including W-pumps, B-pumps, etc.)

x Gaseous Diffusion Plant Engineering

Gaseous Diffusion Plant Equipment

Gaseous Diffusion Plant Stage Compressors

Consumption Studies

see *Gaseous Diffusion Plants—Consumption Studies*

Control Systems

see *Gaseous Diffusion Plant Instrumentation (Central Controls)*

Converters

see *Gaseous Diffusion Plant Converters*

Coolants

see *Gaseous Diffusion Plant Coolant Systems*

*Diffusers

see also *Gaseous Diffusion Plant Converters*

*Electric Power

see also *Gaseous Diffusion Plant Electric Systems*

Electronic Instrumentation

see *Gaseous Diffusion Plant Instrumentation (Electronic)*

Emergency Electric Systems

see *Gaseous Diffusion Plant Electric Systems (Emergency)*

Evacuation Systems

see *Gaseous Diffusion Plant Evacuation Systems*

Evaporative Coolant Systems

see *Gaseous Diffusion Plant Coolant Systems (Evaporative)*

Feed Systems

see *Gaseous Diffusion Plant Feed Systems*

Fluorocarbon Removal Systems

see *Gaseous Diffusion Plant Fluorocarbon Removal Systems*

*Fluorocarbons

see also *Gaseous Diffusion Plant Fluorocarbon Removal Systems*

Gallium—Plutonium Alloys

Gaseous Diffusion Pilot Plants

x Pilot Plants

xx Plants

Gaseous Diffusion Pilot Plants (1)

(Columbia University)

Gaseous Diffusion Pilot Plants (2)

(SAM Laboratories)

Gaseous Diffusion Pilot Plants (3-3A)

(SAM Laboratories)

Gaseous Diffusion Pilot Plants (4)

(Also called Twenty-Stage; K-25)

Gaseous Diffusion Plant Ambient Air Systems

x Ambient Air Systems

xx Atmospheres

Pneumatic Systems

Gaseous Diffusion Plant Auxiliary Systems

(See also main headings for specific systems, e.g., Gaseous Diffusion Plant Coolant Systems and Gaseous Diffusion Plant Seal Systems.)

Gaseous Diffusion Plant Contamination Indicators

see Gaseous Diffusion Plant Instrumentation (Electronic)

Gaseous Diffusion Plant Converters

(Also called diffusers, filters, and units.)

- x Converters
 - Gaseous Diffusion Plant Engineering
 - Gaseous Diffusion Plant Equipment
 - Gaseous Diffusion Plant Maintenance
- xx Diffusers ✓
 - Gaseous Diffusion Plants—Physical Measurement
 - Gaseous Diffusion Plants—Stabilization ✓

Gaseous Diffusion Plant Coolant Systems

(Including coolant cooling; for cooling towers see also Gaseous Diffusion Plant Recirculating Water Systems.)

- x Coolants
- xx Gaseous Diffusion Plant Auxiliary Systems

Gaseous Diffusion Plant Coolant Systems (Evaporative)

- x Evaporative Coolant Systems

Gaseous Diffusion Plant Coolant Systems (Liquid)

- x Liquid Coolant Systems

Gaseous Diffusion Plant Electric Systems

(All systems directly connected with plant operations.)

see also Gaseous Diffusion Plant Instrumentation (Electronic)

- xx Electric Power

Gaseous Diffusion Plant Electric Systems (Emergency)

- x Emergency Electric Systems

Gaseous Diffusion Plant Engineering

(See problem concerned, e.g., Bearings, Blowers, Compressors, Gaseous Diffusion Plant Converters, and Seals and Glands.)

Gaseous Diffusion Plant Equipment

(See headings for specific equipment, e.g., Bearings, Compressors, Gaseous Diffusion Plant Converters, Line Recorders, and Seals and Glands.)

Gaseous Diffusion Plant Evacuation Systems

(For temporary or permanent removal of gases from portions of the cascade.)

- x Evacuation Systems
 - Gaseous Diffusion Plant Vacuum Systems
- xx Vacuum Systems

Gaseous Diffusion Plant Feed

(See subheadings Processing Plants, Production, etc., under Uranium(VI) Fluorides.)

Gaseous Diffusion Plant Feed Systems

(For preparation of plant feed see also Uranium(VI) Fluorides—Production.)

- x Feed Systems

Gaseous Diffusion Plant Fluorocarbon Removal Systems

- x Fluorocarbon Removal Systems
- xx Fluorocarbons
 - Gaseous Diffusion Plant Purge Systems

Gaseous Diffusion Plant Instrument Air Systems

- xx Pneumatic Systems

Gaseous Diffusion Plant Instrumentation

- xx Instrumentation

Gaseous Diffusion Plant Instrumentation (Central Controls)

- x Central Instrumentation Systems
 - Control Systems
 - Gaseous Diffusion Plant Instrumentation (Process Control)

Gaseous Diffusion Plant Instrumentation (Contamination Indicators)

see Gaseous Diffusion Plant Instrumentation (Electronic)

Gaseous Diffusion Plant Instrumentation (Electronic)

(See also specific instruments, e.g., Line Recorders.)

see also Radiation Detection Instruments

- x Electronic Instrumentation
 - Gaseous Diffusion Plant Contamination Indicators
 - Gaseous Diffusion Plant Instrumentation (Contamination Indicators)
 - Gaseous Diffusion Plant Instrumentation (Isotopic Indicators)
- xx Gaseous Diffusion Plant Electric Systems

Gaseous Diffusion Plant Instrumentation (Isotopic Indicators)

see Gaseous Diffusion Plant Instrumentation (Electronic)

Gaseous Diffusion Plant Instrumentation (Pneumatic)

(See also specific instruments, e.g., Pressure Gages.)

Gaseous Diffusion Plant Instrumentation (Process Control)

see Gaseous Diffusion Plant Instrumentation (Central Controls)

Gaseous Diffusion Plant Lubrication Systems

- xx Lubrication

Gaseous Diffusion Plant Maintenance

(See specific equipment maintained, e.g., Gaseous Diffusion Plant Converters, Motors, and Pumps.)

see Gaseous Diffusion Plants—Maintenance

Gaseous Diffusion Plant Nitrogen Systems

see also Gaseous Diffusion Plant Seal Systems

- xx Gaseous Diffusion Plant Seal Systems

Gaseous Diffusion Plant Product Withdrawal Systems

(For concentration and operational analyses, see also Gaseous Diffusion Plants—Productivity.)

- xx Gaseous Diffusion Plants—Productivity

Gaseous Diffusion Plant Purge Systems

(Including removal of light contaminants; see also equipment units, e.g., Traps, and Refrigeration.)

see also Gaseous Diffusion Plant Fluorocarbon Removal Systems

- x Purge Systems

Gaseous Diffusion Plant Recirculating Water Systems

- xx Gaseous Diffusion Plant Coolant Systems
 - Water Supplies

Gaseous Diffusion Plant Seal Systems

see also Gaseous Diffusion Plant Nitrogen Systems
Seals and Glands

- xx Gaseous Diffusion Plant Auxiliary Systems
- Gaseous Diffusion Plant Nitrogen Systems
- Seals and Glands
- Vacuum Seals

Gaseous Diffusion Plant Stage Compressors

see Compressors

Gaseous Diffusion Plant Surge Systems

- x Surge Systems

Gaseous Diffusion Plant Tails Withdrawal Systems

(Including handling of depleted material.)

- x Gaseous Diffusion Plant Waste Systems

Gaseous Diffusion Plant Vacuum Systems

(See headings for specific vacuum equipment, e.g., Vacuum Pumps.)

see Gaseous Diffusion Plant Evacuation Systems

Leak Detectors
Vacuum Systems

Gaseous Diffusion Plant Waste Systems*see Gaseous Diffusion Plant Tails Withdrawal Systems***Gaseous Diffusion Plants**

—Conditioning ✓

see Gaseous Diffusion Plants—Stabilization

—Consumption Studies

(See also subheadings under specific units and under Barriers.)

x Consumption Studies

—Criticality Studies

x Gaseous Diffusion Plants—Radiation and Criticality Data

xx Gaseous Diffusion Plants—Safety

—Maintenance

x Gaseous Diffusion Plant Maintenance

—Materials Balance

(See the subheading SF Materials Accounting Methods and those that follow it under Gaseous Diffusion Plants.)

—Physical Measurement

(Volume and surface; see also as subheading under specific units, e.g., Gaseous Diffusion Plant Converters.)

xx Gaseous Diffusion Plants—SF Material Control Measures

—Productivity

see also Gaseous Diffusion Plant Product Withdrawal Systems

xx Gaseous Diffusion Plant Product Withdrawal Systems

—Radiation and Criticality Data

*see Gaseous Diffusion Plants—Criticality Studies**Radiation Detection Instruments**Radiation Protection*

—Safety

*(See also headings for specific equipment and materials.)**see also Gaseous Diffusion Plants—Criticality Studies**Health Physics**Radiation Protection*

—Sampling

see Gaseous Diffusion Plants—SF Materials Control Measures
Sampling

—SF Materials Accounting Methods

x Gaseous Diffusion Plants—Materials Balance

xx Gaseous Diffusion Plants—SF Materials Control Measures

—SF Materials Balances

(Including inventories.)

xx Gaseous Diffusion Plants—SF Materials Control Measures

—SF Materials Control Measures

*(See also subheadings for specific aspects, e.g., Physical Measurement, SF Materials Accounting Methods, and SF Materials Balances under Gaseous Diffusion Plants.)**see also Sampling*

x Gaseous Diffusion Plants—Sampling

xx Sampling

—Stabilization ✓

(See also as subheading under specific equipment and materials, e.g., Gaseous Diffusion Plant Converters; see also specific stabilizing agents.)

x Gaseous Diffusion Plants—Conditioning ✓

—Theory

*see Gaseous Diffusion Process****Gaseous Diffusion Process**

x Gaseous Diffusion Plants—Theory

***Health Physics**

xx Gaseous Diffusion Plants—Safety

***Homogeneous Reactors**

xx Krypton—Recovery

Instrumentation(See also as subheading under reactors, specific processes, etc., for instrumentation applicable thereto; see also specific instruments.)**see also Gaseous Diffusion Plant Instrumentation***Krypton**

—Recovery

*(See also the subheading Metal Solution under specific separation processes and the subheading Gas Disposal under Homogeneous Reactors and specific homogeneous reactors and under specific separation processes.)**see also Radioactive Gas Separation Processes**Stack Disposal—Krypton Removal**Waste Disposal**Waste Processing****Line Recorders***(Recording mass spectrometer)**see also Mass Spectrometers*x Gaseous Diffusion Plant Equipment
Recordersxx Gaseous Diffusion Plant Instrumentation (Electronic)
Mass Spectrometers**Liquid Coolant Systems***see Gaseous Diffusion Plant Coolant Systems (Liquid)***Lithium—Mercury Alloys****Lithium—Niobium Alloys*****Lubrication***(See also as subheading under the apparatus lubricated.)**see also Gaseous Diffusion Plant Lubrication Systems*
*Lubricants***Mercury—Lithium Alloys***see Lithium—Mercury Alloys***Military Aspects***(This heading was once used for information on the fission of uranium, the possibility of a chain reaction, etc., and more recently for direct military applications of atomic energy, e.g., nuclear powered aircraft, atomic bombs, and radiological warfare. This information is now found under headings for specific nuclear properties of fissionable materials and headings such as Aircraft Reactors, Atomic Weapons, Nuclear Aircraft, Naval Reactors, and Radiological Warfare. See also the subheadings Military Applications and Military Aspects under specific materials and processes.)****Motors**

x Gaseous Diffusion Plant Maintenance

Niobium—Lithium Alloys*see Lithium—Niobium Alloys***Pilot Plants***see Gaseous Diffusion Pilot Plants*

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***Plants**

see also Gaseous Diffusion Pilot Plants

Plutonium-Gallium Alloys

see Gallium-Plutonium Alloys

***Pneumatic Systems**

*see also Gaseous Diffusion Plant Ambient Air Systems
Gaseous Diffusion Plant Instrument Air Systems*

***Pressure Gages**

xx Gaseous Diffusion Plant Instrumentation (Pneumatic)

***Pumps**

x Gaseous Diffusion Plant Maintenance

Purge Systems

see Gaseous Diffusion Plant Purge Systems

***Radiation Detection Instruments**

x Gaseous Diffusion Plants—Radiation and Criticality Data

xx Gaseous Diffusion Plant Instrumentation (Electronic)

***Radiation Protection**

x Gaseous Diffusion Plants—Radiation and Criticality Data

xx Gaseous Diffusion Plants—Safety

***Radioactive Gas Separation Processes**

xx Krypton—Recovery

***Refrigeration**

xx Gaseous Diffusion Plant Purge Systems

***Sampling**

x Gaseous Diffusion Plants—Sampling

xx Gaseous Diffusion Plants—SF Materials Control Measures

***Seals and Glands**

see also Gaseous Diffusion Plant Seal Systems

x Gaseous Diffusion Plant Engineering

Gaseous Diffusion Plant Equipment

xx Gaseous Diffusion Plant Seal Systems

— Leakage

Slope Factor

see Gaseous Diffusion Process—Slope Factor

Slug Canning

—Alpha

see Slug Canning—Lead-Dip

— Lead-Dip

(Preheating in lead, followed by Al-Si.)

x Slug Canning—Alpha

xx Slug Coatings (Al-Si)

— Triple-Dip

(In bronze, tin, and Al-Si successively.)

see also Slug Coatings (Al-Si)

Slug Coatings (Bronze)

Slug Coatings (Sn)

xx Slug Coatings (Al-Si)

Slug Coatings (Bronze)

Slug Coatings (Sn)

*** Slug Coatings (Al-Si)**

xx Slug Canning—Triple-Dip

*** Slug Coatings (Bronze)**

xx Bronze

Slug Canning—Triple-Dip

*** Slug Coatings (Sn)**

xx Slug Canning—Triple-Dip

*** Slug Elements**

see also Tritium Production Slugs

Slug Elements (Al-Bi)

Slug Elements (Al-Li)

Slug Elements (Bi)

Slug Elements (Li-U)

Slug Handling (Al-Li)

*** Slugs**

see also Tritium Production Slugs

Slugs (Al-Li)

Slugs (Bi)

Slugs (Pb-Li)

*** Stack Disposal**

— Krypton Removal

xx Krypton—Recovery

Surge Systems

see Gaseous Diffusion Plant Surge Systems

Totem Burst 1

xx Atomic Explosions

Totem Burst 2

xx Atomic Explosions

*** Traps**

xx Filters

Gaseous Diffusion Plant Purge Systems

Refrigeration

Tritium Production Alloys

xx Alloys

Tritium Production Alloys (Liquid)

Tritium Production Slugs

xx Slug Elements

Slugs

Uranium Oxide-Beryllium Oxide-Yttrium Oxide Systems

see Beryllium Oxide-Uranium Oxide-Yttrium Oxide Systems

*** Vacuum Pumps**

x Gaseous Diffusion Plant Vacuum Systems

xx Diffusion Pumps

Pumps

*** Vacuum Seals**

see also Gaseous Diffusion Plant Seal Systems

*** Vacuum Systems**

see also Gaseous Diffusion Plant Evacuation System

x Gaseous Diffusion Plant Vacuum Systems

*** Waste Disposal**

xx Krypton—Recovery

*** Waste Processing**

xx Krypton—Recovery

*** Water Supplies**

see also Gaseous Diffusion Plant Recirculating Water Systems

Yttrium Oxide-Beryllium Oxide-Uranium Oxide Systems

see Beryllium Oxide-Uranium Oxide-Yttrium Oxide Systems

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Part 2
 DECLASSIFIED SUBJECT HEADINGS

Subject headings which have been declassified since the publication of CA-1927 (9th Rev.), CA-1927 (7th Rev.) Supplement No. 2, and CA-1927 (7th Rev.) Supplement No. 6 are listed in this Part. Headings which are preceded by an asterisk were included in TID-5001 (3rd Rev.) and are included in this Part for cross reference information (e.g., see also references). All headings in this Part will be included in the next revision of TID-5001.

***Aircraft Reactor Critical Experiments**

- x Solid Moderator Reactor
 Tubular Reactor Assembly

Aircraft Reactor Experiment (LM-FP)

(NaK or Na cooled; original ARE.)
 see also ANP Reactor (LM-FP)

- xx ANP Reactor (LM-FP)
 Fluid Fuel Reactors
 Intermediate Reactors
 Liquid Metal Cooled Reactors

***Aircraft Reactors**

- x Circulating Fuel Reactors
 Circulating Moderator Reactors
 Fire-Ball Reactor
 Straight Tube Aircraft Reactor

ANP Reactor (CM)

(Circulating moderator.)
 see ANP Reactors

ANP Reactor (H)

(Homogeneous)
 see ANP Reactors

ANP Reactor (HC)

(Helium cooled or helium cycle.)
 see ANP Reactors

ANP Reactor (LM-FP)

(The original ANP Reactor, liquid metal-fuel plus.)
 see also Aircraft Reactor Experiment (LM-FP)

- xx Aircraft Reactor Experiment (LM-FP)
 Beryllium Moderated Reactors
 Fluid Fuel Reactors
 Liquid Metal Cooled Reactors

ANP Reactor (VC)

(Vapor in secondary jet cycle; compressor jet.)
 see ANP Reactors

***ANP Reactors**

- x ANP Reactor (CM)
 ANP Reactor (H)
 ANP Reactor (HC)
 ANP Reactor (VC)
- xx Aircraft Reactors

***Atomic Explosions**

see also Buster Burst A
 Buster Burst B
 Dog Burst
 Easy Burst
 George Burst
 Item Burst
 Jangle S Burst
 Jangle U Burst
 Nectar Burst
 Monte Bello Burst
 Yankee Burst

***Beryllium Moderated Reactors**

see also ANP Reactor (LM-FP)

Buster Burst A

- xx Atomic Explosions
 Buster Operation

Buster Burst B

- xx Atomic Explosions
 Buster Operation

Buster Operation

(See also specific bursts, e.g., Buster Burst A and Buster Burst B.)

- x Atomic Weapon Tests
 Operations
- xx Buster Burst A
 Buster Burst B
 Jangle Operation

Circulating Fuel Reactors

see Aircraft Reactors

Circulating Moderator Reactors

see Aircraft Reactors

Compact Core Reactors

see Reflector Moderated Reactors

***Danger Coefficient Test Facility**

- xx Submarine Thermal Reactor (Mark I)—Fuel Element Testing

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Dog Burst

- see also Greenhouse Operation*
- xx Atomic Explosions
- Greenhouse Operation

Easy Burst

- xx Atomic Explosions
- Greenhouse Operation

Fire-Ball Reactor

see Aircraft Reactors

***Fluid Fuel Reactors**

see also Aircraft Reactor Experiment (LM-FP)
ANP Reactor (LM-FP)

George Burst

- xx Atomic Explosions
- Greenhouse Operation

Greenhouse Operation

- x Operations
- xx Dog Burst
- Easy Burst
- George Burst
- Item Burst

***Hanford Production Reactors**

see also Jumbo Reactor

***Hurricane Operation**

see also Monte Bello Burst

***Hydrogen Moderated Reactors**

see also Special Purpose Power Plant Reactor

***Intermediate Reactors**

see also Aircraft Reactor Experiment (LM-FP)

Item Burst

- xx Atomic Explosions
- Greenhouse Operation

Jangle Operation

- x Operations
- xx Buster Operation

Jangle S Burst

- x Surface Bursts (Atomic)
- xx Atomic Explosions
- Jangle Operation

Jangle U Burst

- x Underground Burst (Atomic)
- xx Atomic Explosions
- Jangle Operation

Jumbo Reactor

- xx Hanford Production Reactors

***Liquid Metal Cooled Reactors**

see also Aircraft Reactor Experiment (LM-FP)
ANP Reactor (LM-FP)
Special Purpose Power Plant Reactor

***Monte Bello Burst**

- xx Atomic Explosions
- Hurricane Operation

***Nectar Burst**

- xx Atomic Explosions
- Castle Operation

***NRX Reactor**

- Fuel Recovery
- x SCRUP

***Plutonium**

- Production
- see also PPF Process*
- Recovery
- see also Recuplex Process*

***Power Reactors**

see also Special Purpose Power Plant Reactor

PPF Process

- xx Plutonium—Production
- Analytical Control
- x PPF Process—Control
- PPF Process—Sampling
- Can Handling
- (Including receipt, storage, inspection, decontamination, etc.)
- x PPF Process—Sample Can Handling
- Chemistry
- (Summary and progress reports covering the entire chemical process, development, etc.; see also specific steps of the process.)
- Control
- see PPF Process—Analytical Control*
- Decontamination of Equipment
- Equipment
- x PPF Process—Plants
- Feed Preparation
- (Including redissolving, sampling, removal from sample can, etc.)
- see also Recuplex Process*
- x PPF Process—Sample Can Cutting
- PPF Process—Sampling
- Fluorination
- Metallurgy
- (Including casting, pressing, machining, shearing, coating, cleaning, etc.)
- Oxalate Precipitation
- Oxidation
- Peroxide Precipitation
- Plants
- (Including construction, design, location, shielding, ventilation, utilities, etc.)
- see also PPF Process—Equipment*
- Process Materials
- (Including essential requirements, analysis, storage, etc.)

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- **Product Handling and Storage**
 - x PPF Process—Storage and Shipping
 - **Product Standards**
 - **Recovery**
 - (Including supernatant concentration, etc)
 - **Reduction**
 - **Sample Can Cutting**
 - see PPF Process—Feed Preparation
 - **Sample Can Handling**
 - see PPF Process—Can Handling
 - **Sampling**
 - see PPF Process—Analytical Control
 - PPF Process—Feed Preparation
 - **Shielding**
 - see PPF Process—Plants
 - **Storage and Shipping**
 - see PPF Process—Product Handling and Storage
 - **Waste Disposal**
 - **Waste Recovery**
 - see also Recuplex Process
- *Purex Process**
- x SCRUP
 - SCRUP Process

***Reactors**

see also Reflector Moderated Reactors

Recuplex Process

(Recovery of plutonium from slag and crucibles with tributyl phosphate and the preparation of feed for the PPF Process)

- xx Plutonium—Recovery
 - PPF Process—Feed Preparation
- x PPF Process—Waste Recovery
 - Separation Processes
- **Blending**
 - see Recuplex Process—Feed Preparation (Blending)
- **Clarification**
 - see Recuplex Process—Feed Preparation (Clarification)
- **Crucible Processing**
 - see Recuplex Process—Feed Preparation (Leaching)
- **Feed Preparation**
- **Feed Preparation (Blending)**
 - (The two product and three recycle streams blended and concentrations adjusted)
 - x Recuplex Process—Blending
- **Feed Preparation (Clarification)**
 - (Clarification of Bismuth Phosphate Process F-10-P stream)
 - x Recuplex Process—Clarification
- **Feed Preparation (Dissolution)**
 - (Dissolution of PPF Process skulls-and-waste stream)
 - x Recuplex Process—Crucible Processing
 - Recuplex Process—Slag Processing
 - Recuplex Process—Skull Processing
 - Recuplex Process—Waste Recovery
- **Feed Preparation (Leaching)**
 - (Leaching of slag and crucible material)
- **Feed Preparation (Oxidation)**
 - (Treatment of PPF Process supernatant stream)
- **Plants**
 - x Recuplex Process—Shielding

—Recycle Recovery

(Recycle of wastes if they contain an amount of product above set limits)

—Salting-Out**—Shielding**

see Recuplex Process—Plants

—Skull Processing

see Recuplex Process—Feed Preparation (Dissolution)

—Slag Processing

see Recuplex Process—Feed Preparation (Leaching)

—Solvent Extraction**—Solvent Processing**

(Pretreatment of solvent and recycling)

—Waste Recovery

see Recuplex Process—Feed Preparation (Dissolution)

Reflector Moderated Reactors

x Compact Core Reactors

xx Reactors

Satellites*—Power Plants**

see also Special Purpose Power Plant Reactor

SCRUP Process

see NRX Reactor—Fuel Recovery

Purex Process

***Separation Processes**

see also PPF Process

Recuplex Process

Slug Canning**—Bronze Recovery**

see also Bronze—Recovery

xx Bronze—Recovery

Slug Canning—Material Recovery

Slug Coatings (Bronze)

—Material Recovery

(See also subheadings for specific materials recovered, e.g., Bronze Recovery, Tin Recovery, etc., see also the subheading Recovery under specific materials recovered, e.g., Tin—Recovery)

—Tin Recovery

see also Tin—Recovery

xx Slug Canning—Material Recovery

Slug Coatings (Sn)

Slug Elements (Al—Pu)**Slug Elements (Al—Si)****Slug Elements (Al—Th)****Slug Elements (Al—U²³⁵)****Slugs (Al—U²³⁵)****Slugs (Al—U²³⁸)****Slugs (Be—U)****Slugs (Cr—U)****Solid Moderator Reactor**

see Aircraft Reactor Critical Experiments

Special Purpose Power Plant Reactor

x SPPP Reactor

xx Hydrogen Moderated Reactors

Liquid Metal Cooled Reactors

Power Reactors

Satellites—Power Plants

Straight Tube Aircraft Reactor (STAR)

see Aircraft Reactors

Submarine Thermal Reactor (Mark I)
Yankee Burst

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***Submarine Thermal Reactor (Mark I)**

see also Danger Coefficient Test Facility

Surface Bursts (Atomic)

see Jungle S Burst

***Tin**

xx Slug Canning—Material Recovery
Slug Canning—Tin Recovery

***Tin Coatings**

see also Slug Coatings (Sn)

Tubular Reactor Assembly

see Aircraft Reactor Critical Experiments

234-5 Process

see PPF Process

Underground Bursts (Atomic)

see Jungle U Burst

***Uranium(VI) Fluorides**

— Processing Plants

x Gaseous Diffusion Plant Feed

— Production

x Gaseous Diffusion Plant Feed

xx Gaseous Diffusion Plant Feed Systems

Yankee Burst

xx Atomic Explosions

Castle Operation

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33	Division of Raw Materials, Washington
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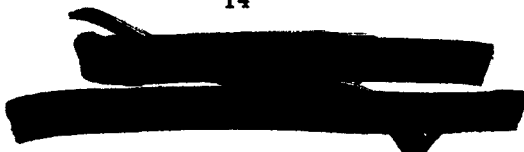
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