
REPORT ON THE NUCLEAR INDUSTRY

1 9 6 7

Contents

	<u>Page</u>
SUMMARY	1
A. Shipments of Products	1
B. Nuclear-Electric Power	1
C. Investment	6
D. Exports	6
F. Employment	7
NUCLEAR INDUSTRY HIGHLIGHTS - 1967	9
A. Civilian Nuclear Power	9
B. Private Ownership & Enriching	11
C. Safeguards	11
D. Desalting	12
E. Radioisotopes	12
F. Competition	12
G. Plowshare	13
H. Spinoff	13
I. Interstate Agreements	13
J. Meetings with Industry	13
K. Operating Contractors	14
L. Nuclear Safety	14
M. Licensing and Regulation	14
N. International Confernece	15
O. Foreign Activities	15
PRIVATE OWNERSHIP - TOLL ENRICHING	16
A. Actions Taken During 1965 and 1966	17
B. Actions Taken During 1967	19
C. Areas That Still Require Attention	21
CATEGORY I -- RAW FUEL MATERIALS	22
A. Uranium	22
B. Thorium	30

	<u>Page</u>
CATEGORY II -- MATERIALS PROCESSING AND FABRICATION	31
A. Uranium Fuel Preparation - Conversion of Feed Materials to UF ₆	31
B. Uranium Enriching	40
C. Uranium Processing and Fabrication	44
D. Plutonium Processing and Fabrication	52
E. Thorium	57
F. Uranium-233	58
G. Other Materials	59
CATEGORY III -- NUCLEAR COMPONENTS AND EQUIPMENT	64
A. Radiation Detection and Monitoring Instruments	64
B. Reactor Components	68
CATEGORY IV -- REACTORS	71
A. Expenditures for Reactor Projects	71
B. Civilian Power	76
C. Civilian Maritime Reactors	101
D. Military Reactors	101
E. Research and Teaching Reactors	104
F. Space Systems	105
CATEGORY V -- RADIOISOTOPES	12
A. Producers	113
B. Processors	118
C. Source Fabrication	119
D. Equipment Manufacturers	119
CATEGORY VI -- MATERIALS REPROCESSING	133
A. Irradiated Fuel	133
B. Unirradiated Fuel	144
CATEGORY VII -- PLOWSHARE -- PEACEFUL USES OF NUCLEAR EXPLOSIVES.	147
A. Introduction	147
B. Budget	147
C. Industrial Participation	149
D. Natural Resources Projects	149
E. Excavation	153

F.	Scientific Research	154
G.	Charges for Nuclear Explosives	154
H.	Program Information	154

CATEGORY VIII -- SERVICES

A.	Radioactive Waste Management	156
B.	Film Badge Processing	165
C.	Contaminated Laundry	168
D.	Transportation	172
E.	Whole Body Counting Service	178
F.	Reactor Servicing	180
G.	Decontamination	181

ASSISTANCE FOR INDUSTRY AT AEC FIELD OFFICES 182

A.	At AEC Field Offices	182
B.	At AEG Laboratories	183
C.	From AEC Publications	183
D.	From Congressional Publications	184
E.	Through the Access Permit Program	184
F.	Through the Work Experience Program	184

List of Charts

iv

List of Tables

v