TABLE OF CONTENTS

Table of Contents ..... S-i
List of Figures ..... S-ii
List of Tables ..... S-ii
Acronyms and Abbreviations ..... S-iii
Metric Conversion Chart ..... S-iv
Metric Prefixes ..... S-iv
Chemicals and Units of Measure ..... S-v

Summary S-1
S.1 Introduction S-1
S.2 Purpose and Need for DOE Action S-1
S.3 The Decision Process S-3
S.3.1 The NEPA Process S-3
S.3.2 Public Involvement S-3
S.3.3 Significant Issues for Analysis S-4
S.4 The HFBR and Physical Plant S-5
S.5 Alternatives Analyzed in the HFBR EIS S-8
S.5.1 No Action Alternative S-8
S.5.2 Resume Operation Alternative S-8
S.5.2.1 30 MW Operation S-8
S.5.2.2 60 MW Operation S-8
S.5.3 Resume Operation and Enhance Facility Alternative S-9
S.5.4 Permanent Shutdown Alternative S-9
S.6 Modifications to the HFBR S-9
S.6.1 Floor Joints and Penetrations S-9
S.6.2 Piping Systems and Sumps S-10
S.6.3 Stack Drains S-10
S.6.4 Seismic Reinforcement S-10
S.6.5 Spent Fuel Pool Liner System S-10
S.7 Affected Environment S-10
S.7.1 Land Use/Visual Resources S-11
S.7.2 Infrastructure S-11
S.7.3 Air Quality/Noise S-11
S.7.4 Water Resources S-12
S.7.5 Geology/Seismicity S-13
S.7.6 Ecological Resources S-13
S.7.6.1 Threatened and Endangered Species S-14
S.7.7 Cultural Resources S-14
S.7.8 Socioeconomics S-15
S.7.9 Transportation S-15
S.7.10 Public and Occupational Health and Safety S-15
S.7.10.1 Radiation in the Environment S-16
S.7.10.2 Chemicals in the Environment S-17
S.7.10.3 Industrial Hazards S-18
S.7.11 Waste Management S-18
S.7.12 Environmental Justice S-19
S.8 Environmental Impacts S-20
S.9 References S-20

DRAFT

LIST OF FIGURES

Figure S.2-1 Location of Brookhaven National Laboratory on Long Island S-2
Figure S.4-1 Location of BNL S-5
Figure S.4-2 BNL Facilities S-6
Figure S.4-3 A Cutaway View of the HFBR..... S-7

LIST OF TABLES

Table S.7-1 Sources of Radiation Exposure to Long Islanders in the Vicinity of the HFBR..... S-16
Table S.7-2 Identification of Chemical and Other Nonradiological Hazards at the HFBR..... S-18
Table S.7-3 Estimated Annual Waste Generation for the HFBR Alternatives S-19
Table S.8-1 Comparison of Alternatives..... S-22

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Acronyms and Abbreviations

AGS	Alternating Gradient Synchrotron
BGRR	Brookhaven Graphite Research Reactor
BNL	Brookhaven National Laboratory
CEQ	Council on Environmental Quality
CFR	*Code of Federal Regulations*
D&D	decontamination and decommissioning
DEIS	*Draft Environmental Impact Statement*
DOE	U.S. Department of Energy
EIS	Environmental Impact Statement
EPA	U.S. Environmental Protection Agency
et seq.	*et sequens* – Latin, meaning "and the following"
FEIS	*Final Environmental Impact Statement*
FS	Feasibility Study
HFBR	High Flux Beam Reactor
HTO	tritiated water
HVAC	heating, ventilation, and air conditioning
LCF	latent cancer fatality
LLW	low level radioactive waste
LOCA	loss of coolant accident
LOOP	loss of offsite power
MEI	maximally exposed individual
NAAQS	National Ambient Air Quality Standards
NEPA	*National Environmental Policy Act* of 1969
NESHAP	National Emission Standards for Hazardous Air Pollutants
NOI	Notice of Intent
NYSDEC	New York State Department of Environmental Conservation
NYSDOH	New York State Department of Health
PEIS	Programmatic Environmental Impact Statement
PRA	Probabilistic Risk Assessment
RHIC	Relativistic Heavy Ion Collider
RI	Remedial Investigation
RI/FS	Remedial Investigation/Feasibility Study
ROD	Record of Decision
ROI	Region of Influence
S&M	surveillance and maintenance
SDWA	*Safe Drinking Water Act*
SNF	spent nuclear fuel
SNS	Spallation Neutron Source
SPDES	State Pollutant Discharge Elimination System
SRS	Savannah River Site
STP	sewage treatment plant
TRP	Tritium Remediation Project

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METRIC CONVERSION CHART

To Convert Into Metric			To Convert Out of Metric		
If You Know	**Multiply By**	**To Get**	**If You Know**	**Multiply By**	**To Get**
		Length			
Inches (in)	2.54	centimeters (cm)	centimeters (cm)	0.3937	inches (in)
Feet (ft)	30.48	centimeters (cm)	centimeters (cm)	0.0328	feet (ft)
Feet (ft)	0.3048	meters (m)	meters (m)	3.281	feet (ft)
Yards (yd)	0.9144	meters (m)	meters (m)	1.0936	yards (yd)
Miles (mi)	1.60934	kilometers (km)	kilometers (km)	0.6214	miles (mi)
		Area			
Sq. inches (in^2)	6.4516	sq. centimeters(cm^2)	sq. centimeters(cm^2)	0.155	sq. inches (in^2)
Sq. feet (ft^2)	0.092903	sq. meters (m^2)	sq. meters (m^2)	10.7639	sq. feet (ft^2)
Sq. yards (yd^2)	0.8361	sq. meters (m^2)	sq. meters (m^2)	1.196	sq. yards (yd^2)
Acres	0.40469	hectares (ha)	hectares (ha)	2.471	acres
Sq. miles (mi^2)	2.58999	sq. kilometers (km^2)	sq. kilometers (km^2)	0.3861	sq. miles (mi^2)
		Volume			
fluid ounces (fl oz)	29.574	milliliters (ml)	milliliters (ml)	0.0338	fluid ounces (fl oz)
gallons (gal)	3.7854	liters (l)	liters (l)	0.26417	gallons (gal)
cubic feet (ft^3)	0.028317	cubic meters (m^3)	cubic meters (m^3)	35.315	cubic feet (ft^3)
cubic yards (yd^3)	0.76455	cubic meters (m^3)	cubic meters (m^3)	1.308	cubic yards (yd^3)
		Weight			
ounces (oz)	28.3495	grams (g)	grams (g)	0.03527	ounces (oz)
pounds (lb)	0.45360	kilometers (kg)	kilometers (kg)	2.2046	pounds (lb)
short tons	0.90718	metric tons	metric tons	1.1023	short tons
		Force			
dynes (dyn)	.00001	Newtons (N)	Newtons (N)	100,000	dynes (dyn)
		Temperature			
Fahrenheit (ºF)	Subtract 32 then Multiply by 5/9ths	Celsius (ºC)	Celsius (ºC)	Multiply by 9/5ths, then add 32	Fahrenheit (ºF)

METRIC PREFIXES

Prefix	Symbol	Multiplication Factor		
exa-	E	1 000 000 000 000 000 000	=	10^{18}
peta-	P	1 000 000 000 000 000	=	10^{15}
tera-	T	1 000 000 000 000	=	10^{12}
giga-	G	1 000 000 000	=	10^{9}
mega-	M	1 000 000	=	10^{6}
kilo-	k	1 000	=	10^{3}
hecto-	h	l00	=	10^{2}
deka-	da	l0	=	10^{1}
deci-	d	0.1	=	10^{-1}
centi-	c	0.01	=	10^{-2}
milli-	m	0.001	=	10^{-3}
micro-	µ	0.000 001	=	10^{-6}
nano-	n	0.000 000 0001	=	10^{-9}
pico-	p	0.000 000 000 001	=	10^{-12}
femto-	f	0.000 000 000 000 001	=	10^{-15}
atto-	a	0.000 000 000 000 000 001	=	10^{-18}

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CHEMICALS AND UNITS OF MEASURE

Br^{82}	Bromine-82
°C	degrees Celsius
Ci	Curie
Cs^{137}	Cesium-137
D_2O	deuterium oxide, also known as “heavy water”
dB	decibel
dBA	day-night average sound level
°F	degrees Fahrenheit
ft	foot or feet
gal	gallon(s)
GPD	gallons per day
H_2O	water
H^3	tritium
ha	hectare(s)
HTO	tritiated water
kg	kilogram(s)
kg/yr	kilograms per year
km	kilometer(s)
kV	kilovolt(s)
l	liter(s)
lpd	liters per day
m	meter(s)
m^3	cubic meters
m^3/yr	cubic meters per year
mCi	millicurie
MGD	million gallons per day
mi	mile(s)
MLD	million liters per day
mrem	millirem
mrem/yr	millirem per year
MW	megawatt(s)
MWe	megawatts, electric
MWh/yr	megawatt-hours per year
pCi	picocurie(s)
pCi/l	picocuries per liter
rem	Roentgen equivalent man
U^{235}	uranium-235
yr	year(s)
µCi	microcurie(s)

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