

AWRE Working Group on the Peaceful Uses of Nuclear Explosives

Reviews of PNE Topics

1. It has been proposed to the UKAEA that the Reviews should be published as '0' series, "on sale", unclassified AWRE reports, and that each should bear on the front cover a block indicating that the work was done under contract for UKAEA.

The following wording is suggested:-

"This Review has been produced by AWRE as part of their work on the Peaceful Uses of Nuclear Explosives carried out under contract for the United Kingdom Atomic Energy Authority".

2. In addition it will be desirable to print on page 2 of each report, following the title page, a short statement of the purpose of the reviews and the nature of the papers in the series.

The following is suggested.

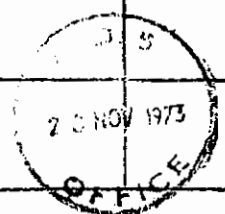
FOREWORD

This Review is one of a series on topics relevant to the Peaceful Uses of Nuclear Explosives (PNE) prepared by AWRE under contract to the United Kingdom Atomic Energy Authority.

The aim of the series is to provide a reasonably comprehensive review and some assessment of published work, to indicate areas of uncertainty and to provide answers to some of the questions likely to arise during the initial consideration of possible PNE projects.

The series comprises:-

Review No.	Title	Author	AWRE Report No.	Date
1	Radioactivity and PNE	Editor: [redacted]		
2	Ground Motion and Seismic Damage	[redacted] [redacted] [redacted]		
3	Air Blast from Buried Explosions	[redacted]		
4	Monitoring yields of underground explosions by seismic methods	[redacted]		
5	Semi-Emperical Predictions of Configurations produced by Contained Nuclear Explosions	[redacted]		
6	Containment of Nuclear Explosions	[redacted]		
7	Geometry of Craters formed by Single Nuclear Explosions	[redacted]		



3. So that authors may complete J form procedure by the next WGPNE meeting on 13 December it is suggested that the above wording should be used provisionally in preparing drafts for publication. If necessary, amendments can be made after the subject has been discussed at the WGPNE meeting.


Secretary to the WGPNE

Distribution

Members

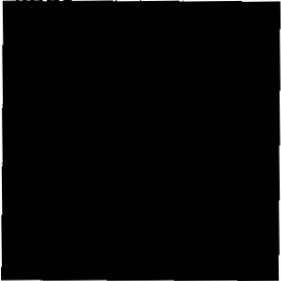
CPA
SSDS
SBME12
SDR
SRC
SDO
WD5
SRGS
SSDS




GLOM
CSC
SCP
GLOM
Army Element
SRC
SSDM
SSDM
SSFD

Others

Director
CMP
SSCD
SSCT



SRGS
SSD
SRGS
SRGS
SSDM
SCT
HTS)
HTS)

I would be grateful for any comments you may wish to make 

PNE

PNE Review No 1

Radioactivity in Peaceful Nuclear Explosions

Apart from extensive but minor editing to standardize the format and correct errors only a few alterations have been made to the substance of Chapters 1 to 6.

These are:-

- P11 [redacted] Q and A - deleted
- P15 Last phrase - deleted
- P29 3rd paragraph Dose Commitment has been redefined
- P45 Data on Piledriver rubble has been added
- P46 Data on Piledriver rubble has been added
- P50 Data from [redacted] on [redacted] exchange into oil shale has been added
- P64 2nd paragraph last sentence - rewritten
- P67 First two paragraphs rewritten

Chapter 7 has been re-cast and is enclosed with the glossary and references

[redacted]
SRC

[redacted]

8 November 1973

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