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Behavior Of

Apr1400 Nuclear  
Power Plant Siler

Apr1400

Nuclear

Power Plant

Siler

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behavior of

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power plant

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behavior of  
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power plant  
siler, it ends  
happening

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New PEER Report  
2015/05: "Hybrid  
Simulation of  
Seismic ...  
77 Responses to  
An Overview of  
the KEPCO  
APR1400. The  
*Page 6/46*

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Behavior Of

Apr 14 09 Nuclear

Plant Siler

response is the  
result of

regulations

which them

selves were a

response to 50

year of anti

nuclear rhetoric

and scare

mongering.

Meanwhile, EPA

estimate in USA

alone, 15,000 to

25,000 people

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Behavior Of

per year die as  
a result of

pollution from

coal fired power

stations.

Seismic analysis  
of the APR1400  
nuclear reactor  
system ...

The APR-1400 is  
an advanced  
pressurized  
water nuclear



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Behavior Of

Apr 1400 Nuclear

Electric Power Siler

Corporation.

Originally known

as the Korean

Next Generation

Reactor, this

Generation III

reactor was

developed from

the earlier

OPR-1000 design

and also

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incorporates

features from

the US

Combustion

Engineering

System 80+

design.

Currently there

is one unit in

operation and

seven units

under

construction,

four in the

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Behavior Of  
United Arab  
Emirates at  
Barakah and  
three in South  
Korea: one at  
Shin Kori and  
two

The Design  
Characteristics  
of Advanced  
Power Reactor  
1400  
Recently,

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Behavior Of

researchers' interest in

Apr1400 Nuclear Siler  
seismic design

and structural

dynamic

integrity has

been growing in

the wake of the

radioactive

leakages at the

Fukushima

nuclear power

plant. Since an

earthquake acts

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Behavior Of  
Apr1400 Nuclear  
Reactor Siler  
as an external  
vibration  
source, it can  
critically  
damage reactor  
internals.

THE DESIGN  
CHARACTERISTICS  
OF ADVANCED  
POWER REACTOR  
1400  
modal  
characteristic

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Behavior Of

Apr1400 Nuclear

reactor Plant Siler

internals for

seismic

analysis. jong-

beom park. 1\*,

youngin choi. 1,

sang-jeong lee.

1, no-cheol

park. 1†, kyoung-

su park. 2,

young ...

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Behavior Of  
Apr1400 Nuclear  
Power Plant Siler  
Nuclear  
Nuclear Safety  
First, Last and  
Always  
Verification of  
the Rev. B model  
using SAP 2000 &  
SASSI2000 1.  
Seismic Input  
motion:  
reinforced RG1.60

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Behavior Of

Ap1400 Nuclear

Reactor Ciler

DRS , 0.5g ZPA

2. Surface

analysis & Rigid

Soil on Fixed

base (  $V_s = 1e+6$

ft/s,  $V_p = 2e+6$

ft/s) 3. SAP2000

model results

with Frame

Element

isolators (no

damping) and

Rubber

isolators(25.6%



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Behavior Of  
damping) 4.  
Apr1400 Nuclear  
Report on the Siler  
Safety Aspects  
of the APR1400  
Pressurized ...  
Modal  
characteristic  
analysis of the  
APR1400 nuclear  
reactor  
internals for  
seismic analysis  
Article (PDF

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Behavior Of

Available) in  
Nuclear

Engineering and

Technology

46(5):689-698 .

October 2014

with 175 Reads

MODAL

CHARACTERISTIC

ANALYSIS OF THE

APR1400 NUCLEAR

...

requirements.

*Page 18/46*

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Behavior Of

APR1400 Nuclear

Power Plant Siler

The scope of the

APR1400 PRA

includes a Level

1 and Level 2

PRA for internal

events, internal

flooding and

fire for both at-

power and low

power/shutdown

conditions, and

for external

events at-power.

A seismic

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Behavior Of

Apr1400 Nuclear

Power Plant Siler

margins analysis  
was performed,  
but the risk  
from seismic  
events was not  
quantified

An Overview of  
the KEPCO  
APR1400 | Energy  
Matters  
Additional  
seismic  
assessment work

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is also to be carried out in response to the Gyeongju earthquake in September last year.

Construction of the first pair of APR1400 reactors - Shin Kori 3 and 4 - was authorised in 2006,

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Power Plant Siler

although the  
actual

construction

licence was not

issued until

April 2008.

APR1400 DCD TIER

2 APPENDIX 3.7B

- EVALUATION FOR

HIGH ...

proven Korean

Standard Nuclear

Power Plant

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(KSNP) design incorporates a number of design modifications and improvements to meet the utility's needs for enhanced safety and economic goals and to address the new licensing issues such as

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Behavior Of  
mitigation of  
severe  
accidents. The  
APR1400 has been  
developed to  
meet 43 basic  
design  
requirements.

Analysis of  
APR1400 Core  
Degradation  
under Cavity-  
Flooded ...



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Power Plant Siler

PEER has just published Report

No. 2015/05

titled "Hybrid

Simulation of

Seismic

Isolation

Systems Applied

to an APR-1400

Nuclear Power

Plant" as a new

addition to the

PEER Report

Series. It was

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Behavior Of

authored by

Apr 14 2008 Nuclear

Schellenberg, Siler

Alireza

Sarebanha,

Matthew J.

Schoettler,

Gilberto

Mosqueda,

Gianmario

Benzoni, and

Stephen A.

Mahin.

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Behavior Of

APR-1400 -

Wikipedia Nuclear

APR1400 nuclear

power plant is

qualified for

high frequency

seismic

response.

Because an

evaluation of

the effect of

HRHF seismic

input on the

total plant is

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Behavior Of  
Apr1400 Nuclear  
Power Plant Siler

not required,  
the SSCs  
(PDF) Modal  
characteristic  
analysis of the  
APR1400 nuclear

...

ABSTRACT To  
secure  
reliability of  
the seismic  
design of the  
reactor vessel

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Behavior Of

internals (RVIs)  
through the

finite element

analysis, it is

important to

develop the

accurate

analysis model

which can

represent the

geometric

complexity of

the RVIs.

However, the

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Behavior Of

Apr1400 Nuclear

Power Plant Siler

seismic analysis  
requires too  
large  
computation cost  
to solve the  
complex  
equations; thus,  
it needs to  
reduce the  
overall size of  
the analysis ...

Seismic analysis  
of the APR 1400

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Behavior Of

reactor vessel  
internals ...

South Korea's Siler

APR1400 advanced

pressurised

water reactor

design has

evolved from the

US System 80+

with enhanced

safety and

seismic

robustness and

was earlier

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Behavior Of  
Apr1400 Nuclear  
Generation Plant Siler  
Reactor. Design  
certification by  
the Korean  
Institute of  
Nuclear Safety  
was awarded in  
May 2003.

Commissioning of  
second Korean  
APR1400



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Behavior Of

postponed -

World ... Nuclear

Reactor Core and

fuel design. The

reactor core of

APR1400 is

designed to

generate 3,987

MW thermal power

with an average

volumetric power

density of 100.9

W/cm<sup>3</sup>. The

reactor core

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Behavior Of

APR1400 Nuclear

Power Plant Siler

consists of 241  
fuel assemblies  
made of fuel  
rods containing  
uranium dioxide  
(UO<sub>2</sub>) fuel.

aris.iaea.org

2 APR1400

Overview 3 5

Process for

Development &

Licensing

Performance

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Behavior Of  
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Summary 1  
Introduction  
IAEA INPRO  
Dialogue Forum  
Workshop (IAEA,  
Feb. 1~4,  
2010)-2- Nuclear  
Power in Korea  
Reactors  
Development in  
Korea 1.  
Introduction1.

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Introduction  
IAEA INPRO Nuclear  
Dialogue Forum  
Workshop (IAEA,  
Feb. 1~4,  
2010)-3-Current  
Status of ...

Hybrid  
Simulation of  
Seismic  
Isolation  
Systems Applied  
to ...

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Behavior Of

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APR1400 nuclear power plant is considering an IVR-ERVC (In-Vessel Retention of molten corium through External Reactor Vessel Cooling) to manage severe accidents. In this paper, the core degradation process and its

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Behavior Of  
transient  
APR1400 Nuclear  
thermal  
hydraulic  
Plant Siler  
behaviors of  
APR1400 for  
large break loss-  
of-coolant  
accident

Seismic Spans  
for Cold Piping  
Based on  
Simplified  
Dynamic ...

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Behavior Of

THE DESIGN  
CHARACTERISTICS

OF ADVANCED SILENT

POWER REACTOR

1400. KIM, HAN-

GON Advanced NPP

Development

Office Korea

Hydro & Nuclear

Power Co., Ltd.

CONTENTS ...

Major system

behavior for

LBLOCA, DVI

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Behavior Of  
Break, MSLB,  
MFLB, SGTR,  
TLOFW and so on.  
Milestone.

Seismic Behavior  
of APR1400  
Nuclear Power  
Plant with Base

...

From time  
history  
analyses, the  
maximum



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Behavior Of

displacement  
(1.06 mm) and

acceleration

(4.72 m/s<sup>2</sup>) of

the CSB were

determined to El

Centro

earthquake;

these values

indicate that

the mechanical

design of the

APR1400 nuclear

reactor system

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Behavior Of

Apr1400 Nuclear

Power Plant Ciler

is sufficiently  
safe. • Seismic  
responses were  
also examined in  
the frequency  
domain.

Seismic Design :

SSE 0.3g 2.

APR1400

Overview2.

APR1400 ...

Lee, Joon-Ho,

Bae, Jae-Hwan,

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Behavior Of

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Power Plant Siler

for Cold Piping

Based on

Simplified

Dynamic Analysis

in APR1400."

Proceedings of

the 17th

International

Conference on

Nuclear

Engineering.

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share APR1400

operating ... -  
World Nuclear  
News  
behavior; and  
(b) analytical  
models of the  
remainder of the  
structural  
system that  
exhibit behavior  
that can be

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predicted numerically with confidence.

Because laboratory facilities exist to test full-scale seismic isolation bearings under prescribed displacement or load protocols, and the

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