

Kevin Bordon
Peter
Chris
Stu
Amy
me

1/29/02
PBMK mtg

Discuss Fuel testing.

want Stu to concur that they heard
same thing from DOE.

Fall - decide single test program.

DoE mtg's. Enlon work w/ INEEL to
flush out. - done late Oct. - dev. fuel
irradiation program for US. - supplement

S Africa & Russian test program
incorporate margin test in US pro.

2002 set out goals & get money.

ORNL mtg w/ Alice - four facilities
PIE testing.

cd/47

Jan 8. - Alice mtg. - leadership map²
for test

ORNL provide?

goals of program - near term deployment

→ DOE focus on testing for deployment.

→ Single test / HRC / DOE / Exelon

→ meet reg needs w/out repeating
program

minimize duplication of Russian
& S. Afr. pro.

looking at schedule / budget.

Sept - ^{decide} start w/ moderate irra. of
German - then PBMR production
fuel.

irradiation 2003 time frame
need test rig design + build
of fuel spheres

looking forward to falling to 3
NCE about 7%.

depending on lab experience w/
Past stuff.

- need to nail down Program
that will meet all of our needs.

Peter doing test plan. - put down
other ones that are applicable for
licensing the plant.

Stu - agrees what Exelon
describes as goals is similar to
what they told us.

Program just for US. Program
tests - not for tests needed by
foreign reqs.

→ tests should include margins ^{to failure}
fuel manufacturer specifications
→ support dev. of analytical
methods used to support licensing.

Stu - Res + HRL need to deal

w/:

- 1) talk to you about plans to
qual + testing of fuels
for license application

- 2) need to develop own reg. infrastructure
to do review for application
so RES is developing advanced
Rx Res plan - which does have
a section on fuel.

covers 3 areas: test data for tech ^{rev}
dev. independent ^{for op. + accident} models + methods
general keeping up w/ info. on
international lvl. - design man.

testing + file.

put a test matrix in there - rev1

5

idea is looking for cooperative res. de

\$ Support plan - DOE, European
Commission,

talked to DOE w/ PIET idea - misdescribed PIET

Ferrack wants coop. agree w/ DOE

for free test. - coming up w/ addendum

to mov. w/ DOE - joint effort.

according to ^{the} ~~the~~ ^{str} ~~the~~ ^{to} make sure have our needs

of Exelon needs - share data + cost.

needs to see your plans for Germany

find in public mtg + then we will

put out public our plans + then we

will see if our plans have overlap.

Exelon suggests public mtg for

us to go over final plans. before

published publically.

Advisory group w/ the NRC.

6

Fuel from Germany

Hansjörg Kleibick interaction - asked to get German archive fuel.

Which will provide pebbles. 9-12 ^{to us} is definite (9-12 maybe)

^{we thought}

Exelon will support D/E of pebbles.

DOE thought NRC will provide pebbles.

NRC will make arrangements to import pebbles.

DOE needs to min. for their plan

how many needed for margin (outside

licensing basis.) - where does he get

the cap. - should be inside lic. basis

Exelon has no pebbles (they has RBMR 19 fuel which has lower E)

Exelon just found out that US had spheres didn't find out who had them.

PBM2 thy has a limited # of pebbles. ⁷
+ they are 8% E - these are the only
ones they will part with. - Peter

Chris - need to work on getting
pebbles.

Plan to have teleconference w/
NMSS + DOE to discuss fuel movement.
+ dev. action plan (next week)

^{Exelon}
Suggest resurrecting old into

2 Documents put together by
DOE + sent over recently - want to
Send us copies?

NP-^mHTGR fuel dev. program plan.

INEL, ORNL. C.

Sept 19, 1992

published by INEL

EGG-NPR

- 8971

rev. C.

they are dev. map to get there.

Nov. Htr to Tom King - interacting w/
stuff

forgot March for mty. on fuel 3

talks - want info to cover all parts - US.

S. Afr. - 2 Russian tests.

margin down in US. Prod.

Statistically part in database of
all programs.

1 irradiated 4 100 GOOD / MT

She wants 2 unirradiated fuel

spheres.