Global Energy Policy Research | GEPR

GEPR??
????http://agorajp.com/??
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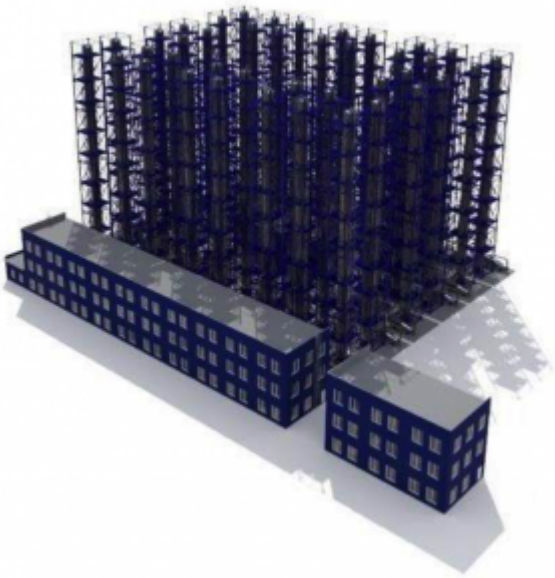
GEPR??? · Tuesday, July 19th, 2016



??1???????CG??????????????????

?1?480????????????????? ?50 – 51 – 46 m?

?GEPR??????

??????????????6??
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??3?????1000????????
????80????????3?????????????????????

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GEPR??

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2014???
??????????????????????2016?2?????????MRI Inc.?
??????????????????3??
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??????????????????????1???????WD????2???????????/??????????CECE????3??????/?????????
?BHW??4??/??????????? ?GS????????4??????

??HTO???????H_2O?????????????
?600??H_2O????HTO?1.056??

???????????/??

HT(gas)+H20=HTO+H2

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?????????????10 L/h?200 L/h ????????????????????????????-99???????????7700 Bq/L??????????????????????1??????????????????126183???

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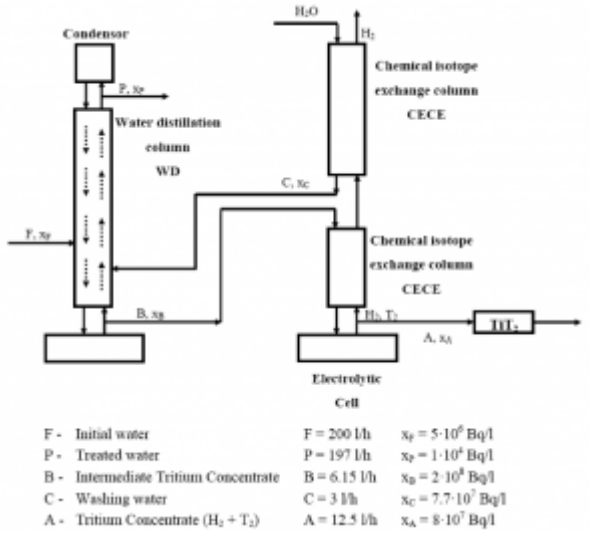
??????????????????????10????????????????????

??80?????????????????????????????100?Bq/L?????
??????????2014 ?8?26?Kurion Inc. ?GE-Hitachi ??????????

?????15???????????????200 L/h ??????????500????????????????????????????2?


Condensor
P, xP
Water distillation column WD
F, xF
B, xB
C, xC
H2O
H2
Chemical isotope exchange column CECE
Chemical isotope exchange column CECE
H2, T2
A, xA
HT+
Electrolytic Cell
F - Initial water F = 200 l/h xF = 5·10^6 Bq/l
P - Treated water P = 197 l/h xP = 1·10^4 Bq/l
B - Intermediate Tritium Concentrate B = 6.15 l/h xB = 2·10^8 Bq/l
C - Washing water C = 3 l/h xC = 7.7·10^7 Bq/l
A - Tritium Concentrate (H2 + T2) A = 12.5 l/h xA = 8·10^7 Bq/l

2016?3?????????????