

# International Conference on Management of Spent Fuel from Nuclear Power Reactors: An Integrated Approach to the Back End of the Fuel Cycle



Contribution ID: 88

Type: ORAL

## Using of the old type transport cask C-30 for an improved fuel VVER-440

The transport cask C-30 with basket T-12 was developed in former East Germany for VVER-440 fuel with enrichment 3.6%. Later was in Slovakia developed the new compact basket KZ-48 for VVER-440 fuel with enrichment 4.4% and maximal burnup 55 MWd/kgU. The present licence is for VVER-440 fuel with enrichment 4.4% and maximal burnup 60 MWd/kgU. The future licence need to be for VVER-440 fuel with average enrichment 4.87% and maximal burnup 70 MWd/kg.

In this paper are criticality, inventory and shielding analyses described .

### Country/ int. organization

Slovakia/VUJE

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