MCC starts industrial scale MOX production for FR

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A ceremony was held today at Mining and Chemical Combine (MCC) in Zheleznogorsk to launch Russia's industrial-scale production of mixed-oxide (MOX) fuel for fast reactors. According to Nuclear.ru, Sergey Kirienko, director general of Russian state nuclear corporation Rosatom, said that MCC's achievement was a "generation ahead" of similar projects by other countries. Work to start the production of MOX fuel at MCC started in 2011 and has required investment of RUB9.3 billion ($142 million). The fuel will be used initially for the BN-800 fast reactor at the Beloyarsk nuclear power plant.

remarks jvv

$142 million = €127 million

This is most probably the cost of equipment for a pilot line for 20 FA (fuel assembly) per year.

MCC is installed in an existing mine, so no building cost.

If the capacity rises to 400 FA per year, additional equipment will be necessary, but not in the ratio 400/20=20, but maybe 5 to 10.

In P1, the purchase of equipment was €45 million in 1991 or 37% of the total investment of 120 M€ = 4850 GBEF