# Accepted Manuscript


Simulation and transient analyses of a complete passive heat removal system in a downward cooling pool-type MTR against a complete station blackout and long-term natural convection mode using the RELAP5\3.2 code

Afshin Hedayat

PII: S1738-5733(17)30241-3

DOI: 10.1016/j.net.2017.03.009

Reference: NET 346

To appear in: *Nuclear Engineering and Technology*

Received Date: 3 April 2016

Revised Date: 25 February 2017

Accepted Date: 31 March 2017

Please cite this article as: A. Hedayat, Simulation and transient analyses of a complete passive heat removal system in a downward cooling pool-type MTR against a complete station blackout and long-term natural convection mode using the RELAP5\3.2 code, *Nuclear Engineering and Technology* (2017), doi: 10.1016/j.net.2017.03.009.

# *Simulation and transient analyses of a complete passive heat removal system in a downward cooling pool-type MTR against a complete station blackout and long-term natural convection mode using the RELAP5\3.2 code*

***Afshin Hedayat***

*Email Addresses: ahedayat@aeoi.org.ir; Af.Hedayat@yahoo.com*

*Reactor and nuclear safety school, Nuclear Science and Technology Research Institute (NSTRI), End of North Karegar Street, P.O. Box 14395-836, Tehran, Iran*