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To Whom It May Concern
RE: NT-E recent projects with Argonne National Laboratory

With this letter I confirm that NT-Engineering LLC (Ukraine) successfully performed the activities listed below in full scope, within established deadlines and in compliance with current nuclear and radiation safety requirements of Ukraine. These activities were performed under Contract No. 8J-30002 between Argonne National Laboratory (USA) and NT-Engineering executed on January 26, 2018 to support the Ukrainian Outage Optimization Project (Ukraine Nuclear State Utility Company, ENERGOATOM selected Zaporizhzhya Nuclear Power Plant (NPP), Unit 2 (ZNPP-2) as the pilot unit for the Project):

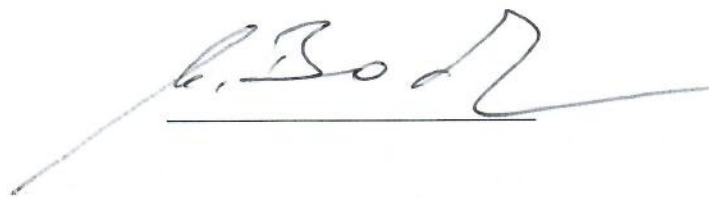
- Updated and upgraded ZNPP-2 full-scope Probabilistic Safety Assessment model following evaluation of technical quality (PSA revision to incorporate results of the GAP analysis) against American Nuclear Society PSA Standards;
- Developed a Conceptual Technical Solution approach to the project with justification for compliance with Ukrainian regulatory requirements for implementation of plant configuration risk management with the purpose of safety improvement and maintenance optimization for systems important to safety;
- Developed methodological guidelines on plant configuration risk management, risk-informed technical specifications and risk-informed determination of surveillance testing intervals and maintenance frequency for VVER-1000 NPPs;
- Developed technical guidelines for maintenance optimization for systems important to safety using plant configuration risk management;
- Converted ZNPP-2 PSA model from the SAPHIRE format to the RiskSpectrum PSA format (commonly used in Ukraine; this allowed implementation of RiskWatcher at the plant for configuration risk management);
- Updated ZNPP-2 PSA to incorporate safety upgrades implemented since 1 January 2013 through the end of the 2018 refueling outage (May 9, 2018);

- Developed and agreed upon with the plant configuration models in SAPHIRE and RiskSpectrum PSA formats to assess risks associated with maintenance at power;
- Developed refinement and verified ZNPP-2 probabilistic model for implementation of risk monitor in the RiskSpectrum RiskWatcher format;
- Identified optimization criteria/indicators for plant configuration risk management;
- Determined preliminary and final lists of systems and equipment for maintenance at power (RICT), increase of allowed outage time (AOT), and increase in surveillance frequency intervals (SFCP) in accordance with the screening criteria for systems/equipment;
- Analyzed potential changes in the allowed outage time and maintenance of respective equipment at power over the time calculated in accordance with the optimization criteria/indicators;
- Performed safety justification for the implementation of plant configuration risk management. Developed preliminary safety analysis report on the implementation of the RiskSpectrum RiskWatcher software and hardware at ZNPP-2.

Please contact me directly if you have any questions regarding NT-E qualification and performance under the contract with Argonne National Laboratory,

Sincerely,

Ihor V. Bodnar

A handwritten signature in black ink, appearing to read "I. Bodnar", is written over a horizontal line. The signature is fluid and cursive, with a long horizontal stroke extending to the right.