Responses to the questions:

1. The laboratory of metals created during the construction of NPPs should perform the following functions: accepting the results of inspection from subcontractors, random reverification of these results, development of a database, equipment for monitoring and inspection, including sources of ionizing radiation, monitoring and archiving procedures for all record and report inspection documents. After the commissioning of a power unit, the metal laboratory is completely preserved for the preparation and performance of in-service inspection, monitoring of the results, evaluation of metal destruction due to corrosion-erosion wear, thermal and radiation influence on the metal during outages.

As a rule the scope of in-service inspection increases annually. Besides, such laboratory will be also used for inspections in the Control Access Zone and in the storage area for the sources of ionizing radiation.

      2. The staff number and area for the metal laboratory primarily depends on the quantity of units, estimated as: 1 unit: 30-35 persons and area of ​​250 square meters.

                                            2 units: 35-40 persons and area of ​​300 square meters.

                                            3 units: 40-45 persons and area ​​of 350 square meters.

                                            4 units: up to 50 persons and area of ​​400 square meters.

Contractors performing metal inspection at the plant are also located within these areas.

Additionally quality inspection staff should be taken into account: the number of staff in charge of incoming inspection and functional inspection is 10-15 persons and occupied area is around 70-80 square meters.