

Draft Outline for Joint JINR/GSPI/CFS Report Dubna Site Investigation

1.0 Executive Summary/Overview (M. Ross) 2 Pages

This should be a short introduction, written by Marc that will frame the work on this report and any additional work to be completed into the context of the overall CFS effort for the preparation of the Technical Design Report.

2.0 GSPI Soil Boring Report (A. Dudarev) 10 Pages

This section should provide an overview of the contents of the GSPI Soil Boring Report stating general findings and the methods of boring and information gathering. It should include a sampling of translated tables and boring logs in order that comparisons may be made to boring log information in other regional locations beyond the Moscow Region.

3.0 Description of Current Dubna Site Design (G. Shirkov – W. Bialowons) 5 Pages

3.1 Current Status of Preliminary Design (Shallow Bored Tunnel with Surface Level Gallery)

This section should describe the current level of design detail, available drawings and cost estimate information with regard to the current design solution and also describe previous design solution that lead to the current design (although details of previous designs may only need to be referenced)

3.2 Verification of GSPI Soil Boring Report

This section should describe how the information contained in the GSPI Soil Boring Report supports the positioning of a site that is compatible with the current ILC criteria in the Dubna/Moscow area and supports a near surface design solution.

3.3 Status of Cost Estimating Effort

This section should describe the current status of the cost estimating effort for the Dubna site, referencing the design the design solution that was estimated and any other supporting data noted in 3.1 above (actual cost data need not be included, but referenced)

3.0 Near Term Topics for Further Investigation (V. Kuchler – JINR & GSPI)3 Pages

For each of the items (4.1 – 4.5) below, prepare a description, or scope of work< that could be provided to GSPI should additional funding be secured for further investigation of the duba site and additional preliminary design efforts. Each task should be thought of as a separate, stand alone task, however they should (if necessary) be rearranged in a priority order and will probably be related into a full preliminary design effort for the Dubna site solution. Each task should include a an estimated cost to complete and an overall schedule for how much time would be required to complete each task individually as well as an overall idea for the completion of all of the work noted. If additional tasks are identified in the course of writing, they should be added for form a complete preliminary design plan.

- 4.1 Identification of Optimal Location for Dubna Sample Site
- 4.2 Additional Field Investigation for Site Definition
- 4.3 Investigation of Alternative Tunnel Configurations for Shallow Siting
- 4.4 Analysis of Life Safety and Egress Strategies of Alternative Tunnel Configurations
- 4.5 Cost Estimates for Alternative Tunnel Configurations

4.0 Longer Term Planning Opportunities and Schedule ?

This section will be held as a placeholder for possible future use.

5.0 Summary (V. Kuchler) 2 Pages

Vic will write a final summary which provides more detail on the inclusion of this effort into the overall CFS Global effort.

7.0 References

- 7.1 Soil Boring Report (Original)
- 7.2 Soil Boring Report (English Version)

Schedule:

Vic's First Preliminary Descriptions - July 10

G. Shirkov Soil Boring Report Release Agreement w/dist to V. Kuchler and M. Ross - July 10

First Draft - July 31 (Including Translations in ILC doc)

First Full Draft with Introduction and Summary - August 14

First Edit - August 28

Final Document - September 11