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The Ll. Torup cavern gas storage Preventive Plant Maintenance Programme

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Abstract

The Ll. Torup cavern gas storage was constructed and erected in several stages in the period from 1985 to 1996. After the completion the storage included three compressor trains, three withdrawal trains, and seven caverns in a salt dome.

Already from the cavern leaching start in 1983, Preventive Plant Maintenance Program got high priority in the daily work.

Back in 1985 a major part of the Preventive Plant Maintenance Program was carried out almost every year. This continued until 1991 when the Ll. Torup cavern gas storage was ISO 9001 certified. Since then, the evaluation of these jobs has been an ever ongoing process. Several working groups with members from different departments and plants in the concern have participated in the work.

The management of the Preventive Plant Maintenance Program has over the years improved from "papers in a binder" over two simple stand alone PC systems, through the Teroman system to today's company integrated SAP system.

The paper describes in detail all the subjects that are linked to the Preventive Plant Maintenance Programs.

- The purpose of...
- The proportions of...
- The demand of...
- The management of...
- The Inspection, Measuring and Test Equipment
- The Users File documentation
- The maintenance crew for the jobs
- The evaluation of the programme effect versus cost
- Typical Ll. Torup Preventive Plant Maintenance Programme intervals
- And finally: Summary/conclusion

Keywords: Cavern Leaching, Gas Storage, Gas Caverns, Gas Processing, Gas Compression, Gas Withdraw, Plant Maintenance, CMMS.