



Protocol

Ref.No.: 483/08.06/ 00/15.17/6

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1.0 Generally

- 1.1 This Protocol records the results of Screening of professional capability of manufacturer of CASTOR covers for Nuclear Power Plant Dukovany as part of Reserved Technical Equipment (stated in §1 article 2 letter a) of Czech Notice ČUBP No.76/1989 Coll., in last version.
- 1.2 This Screening of professional capability was carried out on the basis of ČEZ, a.s. EDU order No. 243/3240/2000/DS from 25.07.2000.

2.0 Manufacturer

- 2.1 **EDELSTAHL GRÖDITZ GmbH**
Riesaer Strasse
D-01609 Gröditz
Germany

2.2 Representatives

- Klaus-Dieter Damitz – Works Inspector
- Pavel Pánek – Head Nuclear Supervisor of ITI Praha
- Karel Rupert - Nuclear Supervisor of ITI Praha

3.0 Product specification

- 3.1 - CASTOR covers- type 440/84

4.0 Quality Assurance System of manufacturer

- 4.1 EDELSTAHL Gröditz GmbH has implemented, certified and maintained QA System according to ISO 9002 (1994), EN ISO 9002 (1994).
- 4.2 EDELSTAHL Gröditz GmbH has been certified by Lloyd's Register - see Quality Certificate Reg.No. 902408/A from 1999-10-21.
- 4.3 EDELSTAHL Gröditz GmbH has been certified by Russian Maritime Register Of Shipping Nr. 00.208.272 from 26.5.2000
- 4.4 EDELSTAHL Gröditz GmbH has been certified by Germanischer Lloyd in accordance to

EN 10222-1, EN 10025 EN 10028-2, EN 10083-1,2, EN 10084, DIN 17243, DIN 17440.

4.5 QA System was practically screened at:

- Manufacturing process
 - Steel Mill
 - Forging Mill
 - Heat treatment Mill
- Testing process – chemical, mechanical and metalographical laboratories
- Quality assurance department
- Workers qualification
- Calibration
- External and Internal audits
- Subcontractors
- Quality documentation

4.6 There was found out:

- Quality Assurance documentation in process production and testing have been consistently maintained, ITI Praha did not received copy of EDELSTAHL Gröditz GmbH Quality Manual because it is in process of changing,
- Contract Reviews have been carried out in accordance to § 6 of stated Notice,
- Manufacturing process of CASTOR covers has been realized in accordance with special requirements Firm GNB,
- Calibration of measuring equipment have been periodically realized in accordance with the Calibration procedures stated in the Quality Assurance System documentation.
- Calibration have been performed by independent qualified companies, see examples: Measurement No.M4-6 (valid until 12/2000).
Charpy typ RKP 450 No 170 (valid until 11/2000).
Schimatzu UH-500 kNA (valid until 04/2001).
Hardness testing HM 3000R (valid until 07/2001).
- Quality certificates going with finished products have been carried out in accordance with customer requirements,
- Personal qualification have been periodically screened, in accordance with Quality system documentation see examples:Certificate Nr.23305-MT-2 (valid until 12/2002) issued by DGZfP Magdeburg for Mrs Petra Eberhardt.
Certificates QUT 2.1-243 from 11/99
QPT 2-62 from 01/99
QMT2-55 from 02/98 for Mrs Katrin Pelzer

The results stated above are a reason for following ITI Praha Decission:

5.0 Decision

5.1 EDELSTAHL Gröditz GmbH production system fulfills the requirements of Czech law regulations (Notice CUBP No. 76/1989 Sb.), as a manufacturer of specified products for Reserved Technical Equipment of Czech Nuclear Power Plants.

6.0 Conditions

6.1 Specified CASTOR covers produced by EDELSTAHL Gröditz GmbH will be delivered to Czech Nuclear Power Plant Dukovany in accordance with Technical documentation

approved by ITI Praha.

- 6.2 EDELSTAHL Gröditz GmbH will present the new valid version of Quality Manual to ITI Praha until April 2001.
- 6.3 Performance of Products Quality Certificates going with finished products will be issued in accordance with Requirements of SKODA JS, a.s.
- 6.4 ITI Praha reserves the right to specify the other requirements for the ensure of the safety of Reserved Technical equipment on Czech Nuclear Power Plants, concerning the production and delivery of stated products .

Gröditz: 02.11.2000



EDELSTAHL Gröditz GmbH :

Klaus Damitz
Works Inspector
Edelstahl Gröditz GmbH



ITI Praha :

