

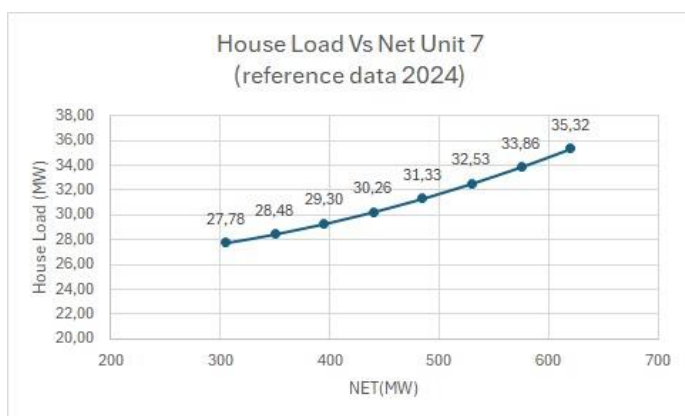
P78 PRODUCTION SHIFT REPORT

Date : 26 August 2025 (Tuesday)
Reported by : Ade Kurniawan / Banariyanto / Agus Mustofa

| TIME | DESCRIPTION | REMARK | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
|--|---|--|--|---------------------|---------------------|-------------|-------------------------|-------------|--------------|-------|--------------------------------------|--------------------------------------|--------------------------------------|--------------------------------------|-----------|--------|-------------------------|--------|-------|--------|--------|-------|--------|------|---------|--------|-----------------|---------|--------|-------|--------|------|---------|--|--------------------|--|--|--|-------|-------|-------|-------|---------------------------------------|---------------------------------------|---------------------------------------|---------------------------------------|--------|--------|--------|--------|-------|-------|-------|-------|------|------|------|------|------|------|------|------|------|------|------|------|
| | Process Safety and Environment Information | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 20-Nov | Unit 7 reading for accumulation in the CEMS at the DCS is higher than the accumulation displayed on the CEMS dashboard. | Update the calculation on the DCS while waiting for the unit #7 outage. | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 5-Aug | U7 Boiler elevator not available due jammed on between 1 st and 2 nd Floor, found rope no.5 was out of the pulley and one part of woven rope broken. | Waiting for the wire rope spare. (PO 97928) | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 09:45 | RPT EDG, Jockey FP, Electric FP, Diesel Engine FP | Information | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 10:00 | RPT Emergency Sirine Test | Information | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| | <table><tr><td></td><td colspan="2">NOX</td><td>CO</td><td colspan="2">SO2</td><td>Particulate</td><td>Mercury (Hg)</td></tr><tr><td>Limit</td><td>550 mg/Nm³</td><td>35,500 kg/d</td><td>44,000 kg/d</td><td>550 mg/Nm3</td><td>5064 kg/d</td><td>mg/Nm3</td><td>0.03 mg/Nm³</td></tr><tr><td>Unit 7</td><td>211.4</td><td>9467.2</td><td>2748.7</td><td>84.8</td><td>1781.5</td><td>5.88</td><td>0.00284</td></tr><tr><td>Unit 8</td><td>2453.8 Auto Cal</td><td>22075.2</td><td>5633.8</td><td>331.5</td><td>2117.2</td><td>5.60</td><td>0.00075</td></tr></table> | | NOX | | CO | SO2 | | Particulate | Mercury (Hg) | Limit | 550 mg/Nm ³ | 35,500 kg/d | 44,000 kg/d | 550 mg/Nm3 | 5064 kg/d | mg/Nm3 | 0.03 mg/Nm ³ | Unit 7 | 211.4 | 9467.2 | 2748.7 | 84.8 | 1781.5 | 5.88 | 0.00284 | Unit 8 | 2453.8 Auto Cal | 22075.2 | 5633.8 | 331.5 | 2117.2 | 5.60 | 0.00075 | <div><div>CHSF COMP. HIGH SULFUR — KPC, ABK, ALHASANIE, MIP (TS= > 0.3%)</div><div>CHHV COMP. HIGH HHV JMS, ABE, MSA (HHV= >5000)</div><div>CMHV COMP. MID HHV ADARO & Kideco (HHV= 4700-5000)</div><div>CLHV COMP. LOW HHV TITAN – DIZAMATRA (HHV = < 4700)</div></div> | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| | NOX | | CO | SO2 | | Particulate | Mercury (Hg) | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Limit | 550 mg/Nm ³ | 35,500 kg/d | 44,000 kg/d | 550 mg/Nm3 | 5064 kg/d | mg/Nm3 | 0.03 mg/Nm ³ | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Unit 7 | 211.4 | 9467.2 | 2748.7 | 84.8 | 1781.5 | 5.88 | 0.00284 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Unit 8 | 2453.8 Auto Cal | 22075.2 | 5633.8 | 331.5 | 2117.2 | 5.60 | 0.00075 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| | The maximum temperature recorded at the Discharge Canal (DCS) is 37.4 °C Scrubber basin Outlet PH (DCS) Min/Max: 6.19 / 6.53 WWTP equalization basin: level A/B: 24.22 % / 35.57 % | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| | <table><tr><td>U 7 Technical Generation Losses</td><td>U 8 Technical Generation Losses</td></tr><tr><td>Total: 0 MWH</td><td>Total: 0 MWH</td></tr></table> | U 7 Technical Generation Losses | U 8 Technical Generation Losses | Total: 0 MWH | Total: 0 MWH | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| U 7 Technical Generation Losses | U 8 Technical Generation Losses | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Total: 0 MWH | Total: 0 MWH | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 06:52 (15-Aug) | Declare U7: 640 NMW, U8: 637 NMW, Station 1277 NMW | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| | Unit # 7: Days of continues operation: 39 Days. Last forced/ Planned outage/ Trip: 16-July-2025. @ 17:39 FO boiler wall tube leaks at C#4 3 rd floor. | Last Sync Sunday, 20-Jul-2025 @00:39 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| | U7 load Max: 643 MW(GROSS) ; Min: 407 MW(GROSS) ; Average: 573 MW(GROSS) U7 load Max: 608 MW(NET) ; Min: 383 MW(NET) ; Average: 541 MW(NET) NPHR Target / Achieved: 2514 / 2567 (Loss: 2.10%), Eta Pro: 2516 / 2518 kcal/kWh (Loss: 0.09%) Un-burn carbon Fly ash and Bottom ash= 0.23% (12-Aug) and 5.72% (19-Aug) Furnace temperature at load 624 MW(Gross) average 1177 °C (max: 1210 °C at inspect. hole #15) Minimize R/H spray. Average MS/RH steam temperature 538 / 527 °C Turbine 8X vibration max 28 µm at MS/RHT 538 / 534 °C load 586 GMW at 17:45 Average vibration 8x / 7X for 24 hours were: 23 / 66 µm U7 Frequency of transfer: A:4;B: 3 ;C: 3;D: 3;E: 3;F: 1 500KV GSUT DGA max / average was 41.8 / 41.4 ppm Make up: 466 tons (transfer-ex CPP 7C), Soot blower: 132 tons, SW pyrites: 119 tons. Soot blower skip: - Soot blowers special operations: 420, 421, 422 / 470, 471, 472 (Screen tube), 427/477-428/478-429/479-430/480 (LTSH203 Cavity) run every 1 st and 15 th days of the month (2 times/month). Clinker Condition at Hole No. – | <table><tr><th colspan="4">Coal Burn IOL</th></tr><tr><th>05:00</th><th>11:00</th><th>17:00</th><th>23:00</th></tr><tr><td>CMHV = 50% + CLHV = 40% + CH3SF =10%</td><td>CMHV = 50% + CLHV = 40% + CH3SF =10%</td><td>CMHV = 60% + CLHV = 30% + CH3SF =10%</td><td>CMHV = 60% + CLHV = 30% + CH3SF =10%</td></tr><tr><td>4644</td><td>4644</td><td>4644</td><td>4644</td></tr><tr><td>29.43</td><td>29.43</td><td>29.43</td><td>29.43</td></tr><tr><td>3.49</td><td>3.49</td><td>3.49</td><td>3.49</td></tr><tr><td>0.25</td><td>0.25</td><td>0.25</td><td>0.25</td></tr><tr><td>47</td><td>47</td><td>47</td><td>47</td></tr></table> <table><tr><th colspan="4">Coal Transfer Plan</th></tr><tr><th>05:00</th><th>11:00</th><th>17:00</th><th>23:00</th></tr><tr><td>CMHV = 60% + CLHV = 30% + CH3SF = 10%</td><td>CMHV = 60% + CLHV = 30% + CH3SF = 10%</td><td>CMHV = 60% + CLHV = 30% + CH3SF = 10%</td><td>CMHV = 60% + CLHV = 30% + CH3SF = 10%</td></tr><tr><td>4689.9</td><td>4689.9</td><td>4689.9</td><td>4689.9</td></tr><tr><td>29.33</td><td>29.33</td><td>29.33</td><td>29.33</td></tr><tr><td>3.42</td><td>3.42</td><td>3.42</td><td>3.42</td></tr><tr><td>0.32</td><td>0.32</td><td>0.32</td><td>0.32</td></tr><tr><td>50.5</td><td>50.5</td><td>50.5</td><td>50.5</td></tr></table> | Coal Burn IOL | | | | 05:00 | 11:00 | 17:00 | 23:00 | CMHV = 50% + CLHV = 40% + CH3SF =10% | CMHV = 50% + CLHV = 40% + CH3SF =10% | CMHV = 60% + CLHV = 30% + CH3SF =10% | CMHV = 60% + CLHV = 30% + CH3SF =10% | 4644 | 4644 | 4644 | 4644 | 29.43 | 29.43 | 29.43 | 29.43 | 3.49 | 3.49 | 3.49 | 3.49 | 0.25 | 0.25 | 0.25 | 0.25 | 47 | 47 | 47 | 47 | Coal Transfer Plan | | | | 05:00 | 11:00 | 17:00 | 23:00 | CMHV = 60% + CLHV = 30% + CH3SF = 10% | CMHV = 60% + CLHV = 30% + CH3SF = 10% | CMHV = 60% + CLHV = 30% + CH3SF = 10% | CMHV = 60% + CLHV = 30% + CH3SF = 10% | 4689.9 | 4689.9 | 4689.9 | 4689.9 | 29.33 | 29.33 | 29.33 | 29.33 | 3.42 | 3.42 | 3.42 | 3.42 | 0.32 | 0.32 | 0.32 | 0.32 | 50.5 | 50.5 | 50.5 | 50.5 |
| Coal Burn IOL | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 05:00 | 11:00 | 17:00 | 23:00 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
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| 4644 | 4644 | 4644 | 4644 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 29.43 | 29.43 | 29.43 | 29.43 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 3.49 | 3.49 | 3.49 | 3.49 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 0.25 | 0.25 | 0.25 | 0.25 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 47 | 47 | 47 | 47 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Coal Transfer Plan | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
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| 4689.9 | 4689.9 | 4689.9 | 4689.9 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 29.33 | 29.33 | 29.33 | 29.33 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 3.42 | 3.42 | 3.42 | 3.42 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 0.32 | 0.32 | 0.32 | 0.32 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 50.5 | 50.5 | 50.5 | 50.5 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| | <table><tr><td>C1</td><td>C2</td><td>W</td><td>10</td><td>11</td><td>12</td><td>13</td><td>14</td><td>15</td><td>16</td><td>17</td><td>18</td><td>E</td><td>C3</td><td>C4</td></tr><tr><td>UC</td><td>UC</td><td>C</td><td>-</td><td>1</td><td>C</td><td>1</td><td>5</td><td>1</td><td>2</td><td>1</td><td>-</td><td>C</td><td>UC</td><td>UC</td></tr></table> <p>1: Spotty, 2:<5 cm, 3: 5>10 cm, 4: >10<15 cm, 5: >15cm, C: Clean</p> | C1 | C2 | W | 10 | 11 | 12 | 13 | 14 | 15 | 16 | 17 | 18 | E | C3 | C4 | UC | UC | C | - | 1 | C | 1 | 5 | 1 | 2 | 1 | - | C | UC | UC | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| C1 | C2 | W | 10 | 11 | 12 | 13 | 14 | 15 | 16 | 17 | 18 | E | C3 | C4 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| UC | UC | C | - | 1 | C | 1 | 5 | 1 | 2 | 1 | - | C | UC | UC | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| | UNIT 7 PROBLEMS | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 18-Sep | 1. A load dropped during the closure test conducted on CRV#2. The load dropped from 628 GWM to 407 GWM due to the sudden closure of IV#1 and RSV#1. 17-Apr, the Engineering team performed a simulation stroke test and did not find any anomalies. CRV#2 postpone when RPT TG01. Planning will carry out the test when unit 7 progress shutdown for PO. | SR113756 (under investigation Engineering) WP Cond (Unit offline) | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 22-Nov | 2. PA fan 7B vibration motor I-B bearing has increasing value (1,7 Mills), the event is same time with U8 trip. (Trip point: 3.0 Mills) 22-Jul Vibration still high about 1.53 Mills after balancing unit FO load 610NMW 30-Jul Vibration about 1.4 Mills at load 700 GMW (NDC test). | WO:2503061049 Monitoring/ WP Cond (Unit offline) | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 02-Feb | 3. Generator Hydrogen Leakage From investigation found H2 leakage at 7GH-RV-300 | (WO: 2502071118, ST014412) waiting material expected end of 7 Sept 2025 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 26-Jul | 4. Found Relief valve of LP heater 100A was passing. Trial lift up/ jacking but still not success. 13-Aug Install temporary hose for direct the drain water to condensate drain tank through the overflow line. | SR121926 Repair WP Cond (Unit offline) | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| | 5. Unit 7 High Priority Alarm: • None | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| | U7 HEAT RATE OPTIMIZATION | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| (09-Mar) | 1. To improve heat transfer condenser and reduce consequence overheat cond. tube/increasing reliability tube (target condenser press: < 70 mmHg at 610 NMW) ➢ Check and make sure the water level is full of water by verifying venting float valve to atmosphere, put auto vacuum priming pump in operation, find local level sight glass condenser dirty/corrosion (will be replaced next outage) ➢ Check air ingress all drain line which connected to condenser (HP/LP steam pressure) by using helium gas, using thermal imaging, opening insulator and visual check. ➢ Verify vent/drain Boiler & turbine valves Post U7 RTS. 57 valves have been inspected; 25 valves were passing. | Continued implemented | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| | 2. Biasing O2 trim: - 0,5% during low load operation | Continued implemented | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| | 3. Reduce ESP TR amp setting Row#1234: 800/1000/1200/200 mA | Continued implemented | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |

| | UNIT 7 ACTIVITIES | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
|---------------------------------------|---|---------------------------------------|---------------------------------------|----|----|----|----|----|----|----|----|---|----|----|--|----------------------------|---------------------------|--------------------------------------|----|-------|-------|-------|-------|---------------------------------------|---------------------------------------|---------------------------------------|---------------------------------------|------|---------|-------------------|-------------------|--------|-------|-------|-------|------|------|------|------|------|------|------|---------|-------------------|-------------------|--------|----|--------------------|--|--|--|-------|-------|-------|-------|---------------------------------------|---------------------------------------|---------------------------------------|---------------------------------------|--------|--------|--------|--------|-------|-------|-------|-------|------|------|------|------|------|------|------|------|------|------|------|------|--|
| 13:00 | 1. Maintain Load as PLN scheduled. 2. 7TM-Watts-Net had fluctuated until 50 MW, found that transducer problem. - Put Limit set House Load 30-35 NMW at load 595NMW. (Force Logic) - Eng team found that bad quality problem ELC communication from U7 KWH metering to DCS (WO P10. 2508261035) - Power Coal Handling supply from unit 8. | | | | | | | | | | | | | | PO 97984 Status Raised | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 03:00 (27-Aug) | 3. 500 KV phase A (0%), B (0%) and C (0%) arching. | | | | | | | | | | | | | | Information | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 05:00 (27-Aug) | 4. Fill all of Coal Silo with CMHV = 60% + CLHV = 30% + CH3SF = 10% | | | | | | | | | | | | | | Information | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| | <table><tr><td>Torque bar temperature</td><td>HPSV (LH) (12:00/00:01)</td><td>LPSV(RH) (12:00/00:01)</td><td colspan="11">Grease condition (Normal/Melting)</td></tr><tr><td>BFPT 7A</td><td>51.0 / 42.5 deg C</td><td>49.0 / 56.7 deg C</td><td colspan="11">Normal</td></tr><tr><td>BFPT 7B</td><td>42.0 / 43.1 deg C</td><td>47.0 / 57.3 deg C</td><td colspan="11">Normal</td></tr></table> | | | | | | | | | | | | | | Torque bar temperature | HPSV (LH) (12:00/00:01) | LPSV(RH) (12:00/00:01) | Grease condition (Normal/Melting) | | | | | | | | | | | BFPT 7A | 51.0 / 42.5 deg C | 49.0 / 56.7 deg C | Normal | | | | | | | | | | | BFPT 7B | 42.0 / 43.1 deg C | 47.0 / 57.3 deg C | Normal | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Torque bar temperature | HPSV (LH) (12:00/00:01) | LPSV(RH) (12:00/00:01) | Grease condition (Normal/Melting) | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
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| | 5. | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| | Unit # 8: Days of continues operation: 39 Days. Last forced/ Planned outage/ Trip: 20-July-2025 @ 13:06 Unit/Generator Trip due to Over Frequency Relay (OFR) was sent false signal | | | | | | | | | | | | | | Last Sync Sunday, 20-July-2025 @21:59 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| | U8 load Max: 641 MW(GROSS) ; Min: 418 MW(GROSS) ; Average: 575 MW(GROSS) U8 load Max: 607 MW(NET) ; Min: 389 MW(NET) ; Average: 544 MW(NET) NPHR Target / Achieved: 2512 / 2586 (Loss: 2.95%), Eta Pro: 2513 / 2524 kcal/kWh (Loss: 0.46%) Un-burn carbon Fly ash and Bottom ash= 0.23% (12-Aug) and 2.69% (19-Aug) Furnace temperature at load 623 MW(Gross) average 1185 °C (max: 1225 °C at inspect. hole #14) Minimize R/H spray. Average MS/RH steam temperature 537 / 532 °C Turbine 3Y vibration max 120 µm at MS/RHT 540 / 532 °C load 457 GMW at 04:31 Average vibration 3Y for 24 hours were: 102 µm U8 Frequency of transfer: A:6;B: 6 ;C: 7;D: 3;E: 5;F: 1 500KV GSUT DGA max / average was 34.7 / 34.3 ppm Make up: 433 tons (Regen CPP-8C) Soot blower: 101 tons, SW pyrites: 449 tons (use for make-up SSCC). Soot blower skip: - SHDP Soot blower 792&794 has ground indication, put bypass the VFD, 793 ground fault alarm (SR) Soot blower's special operations: 420, 421, 422 / 470, 471, 472 (Screen tube), 427/477-428/478-429/479-430/480 (LTSH Cavity) run every 1 st and 15 th days of the month (2 times/month). Clinker Condition at Hole No. – | | | | | | | | | | | | | | <table><tr><th colspan="4">Coal Burn IOL</th></tr><tr><th>05:00</th><th>11:00</th><th>17:00</th><th>23:00</th></tr><tr><td>CMHV = 50% + CLHV = 40% + CH3SF = 10%</td><td>CMHV = 50% + CLHV = 40% + CH3SF = 10%</td><td>CMHV = 60% + CLHV = 30% + CH3SF = 10%</td><td>CMHV = 60% + CLHV = 30% + CH3SF = 10%</td></tr><tr><td>4644</td><td>4644</td><td>4644</td><td>4644</td></tr><tr><td>29.43</td><td>29.43</td><td>29.43</td><td>29.43</td></tr><tr><td>3.49</td><td>3.49</td><td>3.49</td><td>3.49</td></tr><tr><td>0.25</td><td>0.25</td><td>0.25</td><td>0.25</td></tr><tr><td>47</td><td>47</td><td>47</td><td>47</td></tr></table> <table><tr><th colspan="4">Coal Transfer Plan</th></tr><tr><th>05:00</th><th>05:00</th><th>05:00</th><th>05:00</th></tr><tr><td>CMHV = 60% + CLHV = 30% + CH3SF = 10%</td><td>CMHV = 60% + CLHV = 30% + CH3SF = 10%</td><td>CMHV = 60% + CLHV = 30% + CH3SF = 10%</td><td>CMHV = 60% + CLHV = 30% + CH3SF = 10%</td></tr><tr><td>4689.9</td><td>4689.9</td><td>4689.9</td><td>4689.9</td></tr><tr><td>29.33</td><td>29.33</td><td>29.33</td><td>29.33</td></tr><tr><td>3.42</td><td>3.42</td><td>3.42</td><td>3.42</td></tr><tr><td>0.32</td><td>0.32</td><td>0.32</td><td>0.32</td></tr><tr><td>50.5</td><td>50.5</td><td>50.5</td><td>50.5</td></tr></table> | Coal Burn IOL | | | | 05:00 | 11:00 | 17:00 | 23:00 | CMHV = 50% + CLHV = 40% + CH3SF = 10% | CMHV = 50% + CLHV = 40% + CH3SF = 10% | CMHV = 60% + CLHV = 30% + CH3SF = 10% | CMHV = 60% + CLHV = 30% + CH3SF = 10% | 4644 | 4644 | 4644 | 4644 | 29.43 | 29.43 | 29.43 | 29.43 | 3.49 | 3.49 | 3.49 | 3.49 | 0.25 | 0.25 | 0.25 | 0.25 | 47 | 47 | 47 | 47 | Coal Transfer Plan | | | | 05:00 | 05:00 | 05:00 | 05:00 | CMHV = 60% + CLHV = 30% + CH3SF = 10% | CMHV = 60% + CLHV = 30% + CH3SF = 10% | CMHV = 60% + CLHV = 30% + CH3SF = 10% | CMHV = 60% + CLHV = 30% + CH3SF = 10% | 4689.9 | 4689.9 | 4689.9 | 4689.9 | 29.33 | 29.33 | 29.33 | 29.33 | 3.42 | 3.42 | 3.42 | 3.42 | 0.32 | 0.32 | 0.32 | 0.32 | 50.5 | 50.5 | 50.5 | 50.5 | |
| Coal Burn IOL | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 05:00 | 11:00 | 17:00 | 23:00 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
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| 4644 | 4644 | 4644 | 4644 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 29.43 | 29.43 | 29.43 | 29.43 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 3.49 | 3.49 | 3.49 | 3.49 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 0.25 | 0.25 | 0.25 | 0.25 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 47 | 47 | 47 | 47 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Coal Transfer Plan | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 05:00 | 05:00 | 05:00 | 05:00 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
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| 4689.9 | 4689.9 | 4689.9 | 4689.9 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 29.33 | 29.33 | 29.33 | 29.33 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 3.42 | 3.42 | 3.42 | 3.42 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 0.32 | 0.32 | 0.32 | 0.32 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 50.5 | 50.5 | 50.5 | 50.5 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| | <table><tr><td>C1</td><td>C2</td><td>W</td><td>10</td><td>11</td><td>12</td><td>13</td><td>14</td><td>15</td><td>16</td><td>17</td><td>18</td><td>E</td><td>C3</td><td>C4</td></tr><tr><td>UC</td><td>UC</td><td>C</td><td>-</td><td>1</td><td>C</td><td>1</td><td>5</td><td>4</td><td>3</td><td>1</td><td>-</td><td>C</td><td>UC</td><td>UC</td></tr></table> <p>1: Spotty, 2:<5 cm, 3: 5>10 cm, 4: >10<15 cm, 5: >15cm, C: Clean</p> | | | | | | | | | | | | | | C1 | C2 | W | 10 | 11 | 12 | 13 | 14 | 15 | 16 | 17 | 18 | E | C3 | C4 | UC | UC | C | - | 1 | C | 1 | 5 | 4 | 3 | 1 | - | C | UC | UC | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| C1 | C2 | W | 10 | 11 | 12 | 13 | 14 | 15 | 16 | 17 | 18 | E | C3 | C4 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| UC | UC | C | - | 1 | C | 1 | 5 | 4 | 3 | 1 | - | C | UC | UC | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| | UNIT 8 PROBLEMS | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 15:15(22-Apr) | 1. Repair 8FW-TV-338B (Boiler final SH DSH spray temperature control valve) with installation additional stuffing box done. Spray still in manual mode (monitoring). @01-Jul found steam leaks from gland packing at same location. @02-Jul Perform Online sealing at gland packing. @Manual operation control. Planning for overhaul the valve. | | | | | | | | | | | | | | Information WP Cond (Unit offline) | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 04-Apr | 2. Vacuum priming pump 8A not available: 8CP-P-400A Water leaks from Pump packing | | | | | | | | | | | | | | WO.2505151010/status WMATL ETA. 24/10/2025 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 20-May | 3. During Load > 595 NMW PAH Motor current reached 26 Amperes, normally 12 Amperes. Check local conditions suspected radial seal rubbing, I&C (Pak Benny) command retract all LCS system, found both of LCS in full retract positions 22-May Put ALCS to auto as recom by eng (Pak Kenanga) and monitoring the motor current. 05-Jun Adjust sector plate CE side by eng & mech team. 14-Jun Adjust pedestal axial seal east & west side by M8. Monitoring the current when high load. Planning Conduct an internal inspection to confirm the actual condition of the seal, identify any rubbing points, and perform adjustments based on the inspection results. | | | | | | | | | | | | | | SR120237 WP Cond (Unit offline) | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 10:17(03-Jun) | 4. When the unit runback due to BFPT B trip the turbine stress reached -175% then it triggered the turbine master demand track to 5% (with an actual load reference at 65%). As the stress was released, a deviation occurred between the turbine master demand and the actual load reference, causing a load drop from 383 to 290 GMW. (The operator's action was to switch the turbine master to manual and increase the demand by clicking three times, then set it back to auto to stimulate an increase in turbine master demand). Under investigation and discussion by Eng & PPE team. Eng team contacted Emerson PIC for review & compare the logic between MKVe and MKVie. | | | | | | | | | | | | | | SR120633 Waiting for confirmation from Emerson | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 13-Jul | ESP suddenly trip there is no alarm on DCS & local control display. Restart the ESP and put it in Direct mode (ESP trip when put in Remote mode). | | | | | | | | | | | | | | WO.2507151017 / PO.96864 Waiting module can opener, ETA 23/09/2025 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 20-Jul | 5. Put disable OFR & UFR (SFF204-GE), suspect OFR sent false signals. Planning upgrade/modify the relay. | | | | | | | | | | | | | | WO.2507211001 WP Cond (Unit offline) | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 20-Aug | 6. ESP TR/Rec-837A fault alarm. | | | | | | | | | | | | | | 27-Aug will unload test. | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 21-Aug | 7. CWP 8A trip due to loss of run permit, due to Disch MOV-703A (bad quality), fluctuated up to 106.25%. then reset and apply force logic @15:41 (21-Aug): re-start CWP 8A and monitor the Disch MOV stable at local but still fluctuated at DCS. 8. Unit 8 High Priority Alarm: - •U8 HEAT RATE OPTIMIZATION | | | | | | | | | | | | | | SR122553. Waiting module ETA 29 August | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 24-Mar | 1. To improve heat transfer condenser and reduce consequence overheat cond. tube/increasing reliability tube (target condenser press: < 70 mmHg at 610 NMW) ➢ Check and make sure the water box level is full of water by verifying venting float valve to atmosphere, put auto vacuum priming pump in operation, found local level sight glass condenser was dirty/corrosion (will be replaced next outage) | | | | | | | | | | | | | | Information | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 05-May | ➢ To improve AH efficiency gas side, Change the AH soot blowers' cycle from 3 to 4 times/dav. Result: AH gas out temperature still increases even though the inlet AH can be | | | | | | | | | | | | | | Continued implemented | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |

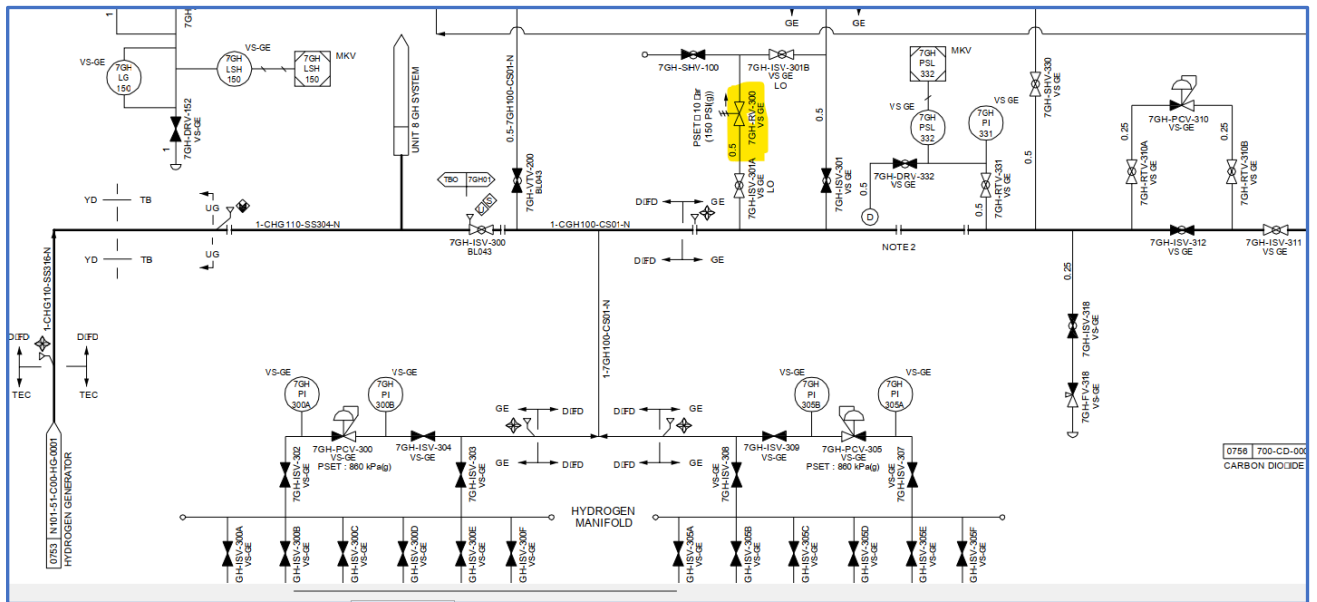
| | | | | | | | | | | | | | | |
|------------------------|--|---|--------------------------------------|----------------------------|--------------------------------------|---------|-------------------|-------------------|--------|---------|-------------------|-------------------|--------|--|
| | <div>reduced, Change the AH soot blower cycle from 3 to 4 continue meanwhile the issue will be discussed with the OEM</div> <div>➤ Continue operating cycle soot blower 4 times/day. Planning to increase pressure and steam flow to increase cleaning efficiency (will be done by ENG Pak Kadar).</div> | | | | | | | | | | | | | |
| 30-May | <div>2. Bias O2 trim 3,5% at high load, burner tilt set higher at 53-55 %, to reduce CO and Decrease AH outlet temperature</div> <div>3. Reduce ESP TR amp setting Row1234: 800/1000/1200/200 mA</div> | <div>Continued implemented</div> <div>Continued implemented</div> | | | | | | | | | | | | |
| | <div>UNIT 8 ACTIVITIES</div> <div>1. Maintain Load as PLN scheduled</div> <div>2. Isolate make up water of SSCC supply from SW & effluent preparation for rectifying the flow meter. Make up water back up from pyrite hopper.</div> | <div>Information</div> | | | | | | | | | | | | |
| 00:01 (27-Aug) | <div>3. U8 Boiler Pumps and Fans Change Over Duty to Standby at 00.00 and Return Back to Original Duty at 16.00.</div> | <div>Information</div> | | | | | | | | | | | | |
| 03:00 (27-Aug) | <div>4. 500 KV phase A (0%), B (0%) and C (0%) arching.</div> | <div>Information</div> | | | | | | | | | | | | |
| 05:00 (27-Aug) | <div>5. Fill all of Coal Silo with CMHV = 60% + CLHV = 30% + CH3SF = 10%</div> | <div>Information</div> | | | | | | | | | | | | |
| | <table><tr><td>Torque bar temperature</td><td>HPSV (LH) (12:00/00:01)</td><td>LPSV (RH) (12:00/00:01)</td><td>Grease condition (Normal/Melting)</td></tr><tr><td>BFPT 8A</td><td>46.6 / 51.2 deg C</td><td>45.9 / 65.4 deg C</td><td>Normal</td></tr><tr><td>BFPT 8B</td><td>45.3 / 42.5 deg C</td><td>58.0 / 52.1 deg C</td><td>Normal</td></tr></table> | Torque bar temperature | HPSV (LH) (12:00/00:01) | LPSV (RH) (12:00/00:01) | Grease condition (Normal/Melting) | BFPT 8A | 46.6 / 51.2 deg C | 45.9 / 65.4 deg C | Normal | BFPT 8B | 45.3 / 42.5 deg C | 58.0 / 52.1 deg C | Normal | |
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| BFPT 8B | 45.3 / 42.5 deg C | 58.0 / 52.1 deg C | Normal | | | | | | | | | | | |
| | <div>6.</div> <div>Balance of Plant</div> <div>CSW / CST (U7/8) Tank Level: 82% (90% / 90%)</div> <div>SWRO A/B product water flow: A/B: 106 m³ / 112 m³</div> <div>Total caustic soda consumption: 0 tons</div> <div>BOP PROBLEMS</div> <div>1. U78 Fly Ash System: CFA-CMP-103 ⚠ <i>N/A PR190708 Repair leak at Body Compressor (still in the process of finding a vendor).</i> 7FA-CMP-104 ✅ Inservice to U7. (15-Apr) 8FA-CMP-103 ⚠ <i>N/A Knocking on drive gear, not accepted for running~ PO92564 (Waiting for a response from the vendor regarding the warranty discussion.)</i> 7FA-CMP-103 ⚠ <i>N/A due to High vibration ~ PR189023 Purchase New Compressor (belum ada PO).</i> Temporary Rental compressor ⚠ <i>N/A 1of2 Compressor Cooler leaks.</i> Station Compressor: ✅ Inservice to U8. (30-Apr).</div> <div>2. 7FA-DRY-107: ✅ Inservice to U7(15-Apr). 8FA-DRY-106: ⚠ <i>N/A Leak on evaporator, PO92564</i> CFA-DRY-106: ✅ Inservice to U8(Since 15-Apr). 7FA-DRY-106: ⚠ <i>N/A As found the fan condensing cannot run / short and need replace. Leak on evaporator. WO 2503141003</i></div> | <div>Information</div> <div>Information</div> | | | | | | | | | | | | |
| 10-Jul | <div>3. Put out of service Polishing Filter A due to sand release (chemist request). Need internal inspection. WO.2507101038</div> <div>@ 18-Aug Isolate CRO-FLT-200A for Sorting sand filter if any deformed media filter Inspect nozzle if any defect. Target completion on 04-Sep</div> | <div>WMATL Filter ST033399-PO97266</div> <div>ETA 20-Sept-25.</div> | | | | | | | | | | | | |
| 9-Aug | <div>4. Found Potable Water to admin building underground leaks at north side Semanggi bridge.</div> | <div>SR122227</div> <div>Waiting for an update from planner</div> | | | | | | | | | | | | |
| | <div>UNIT BOP ACTIVITIES</div> <div>Maintain CST, SWT and Portable Water Tank Level are adequate.</div> <div>1. SWRO 100% in service Train-B and DWRO stand by</div> <div>2. Transfer Service Water to Unit 3 = 35t/h (total : 470 tons)</div> | <div>Information</div> <div>Information</div> | | | | | | | | | | | | |
| 09:45-01:13 | | | | | | | | | | | | | | |
| | <div>Load scheduled and Activity for next 24 hours:</div> <div>1. U78 Maintain load as PLN requested. (problem on HDKS P2B network)</div> <div>- U7 Full Load (≥ 595 NMW) = 14.5 hrs. TML = 0 hrs. (350 NMW ≤ 590NMW) = 9.5 hrs.</div> <div>- U8 Full Load (≥ 595 NMW) = 14.5 hrs. TML = 0 hrs. (350 NMW ≤ 590NMW) = 9.5 hrs.</div> <div>2. PTW</div> <div>- WTP 78 will support water for P3 during Outage Work due P3 WTP not availabel on 24-Aug till 03-Sep</div> <div>- Replace 8BA-ISV-102 SUBMERGED CHAIN CONVEYOR 8 SERVICE WATER INLET FLOW INDICATOR OUTLET ISOL V/V</div> <div>- 7CM-ISV-Condensate polishing vessel 7B sampling valve (Replace valve).</div> <div>- U78 PM Generator Brushgear.</div> <div>- 7BG-FAN-213B FD FAN HYDRAULIC OIL COOLER 7B1 motor replacement.</div> <div>3. Routine Production Test</div> <div>- U7 Turbine Valve Closure test.</div> <div>- U78 BFPT valve & oil pump, Running MBFP.</div> <div>4. Performance activities & Trouble Shooting.</div> <div>-</div> | <div>Information</div> <div>Information</div> | | | | | | | | | | | | |



WhatsApp Video
 2025-08-24 at 05.37.

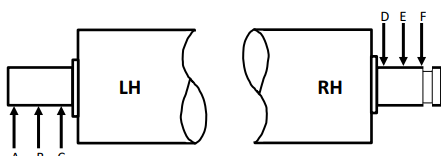
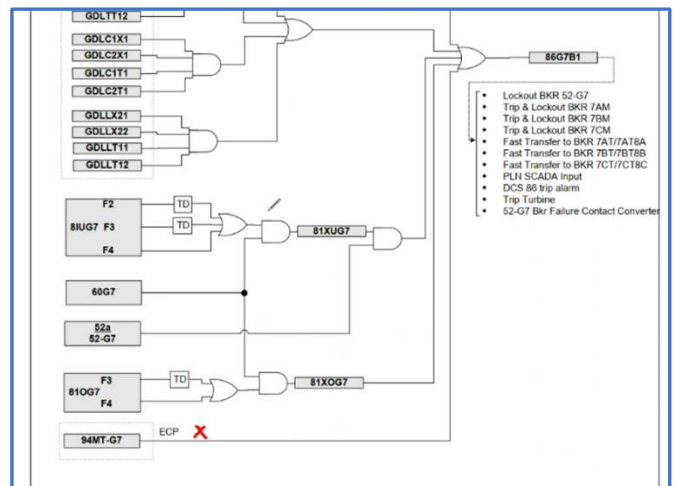
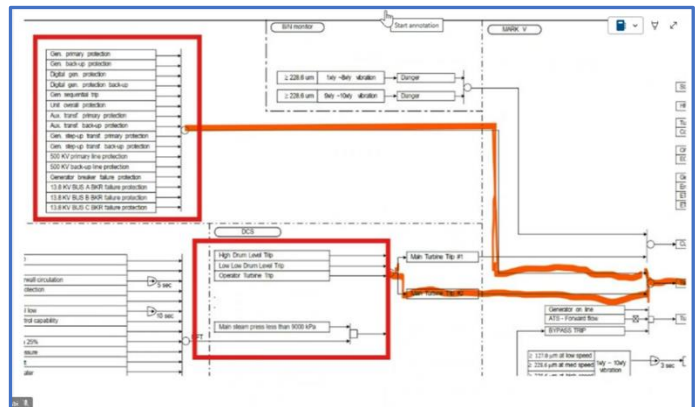
need reposition, due to water coming out (SR122591)

U7 CONDENSATE DRAIN TANK (LP HTR-2 RV connection)



7GH-RV-300

OFR & UFR lock out relay



BFPT-8A Left

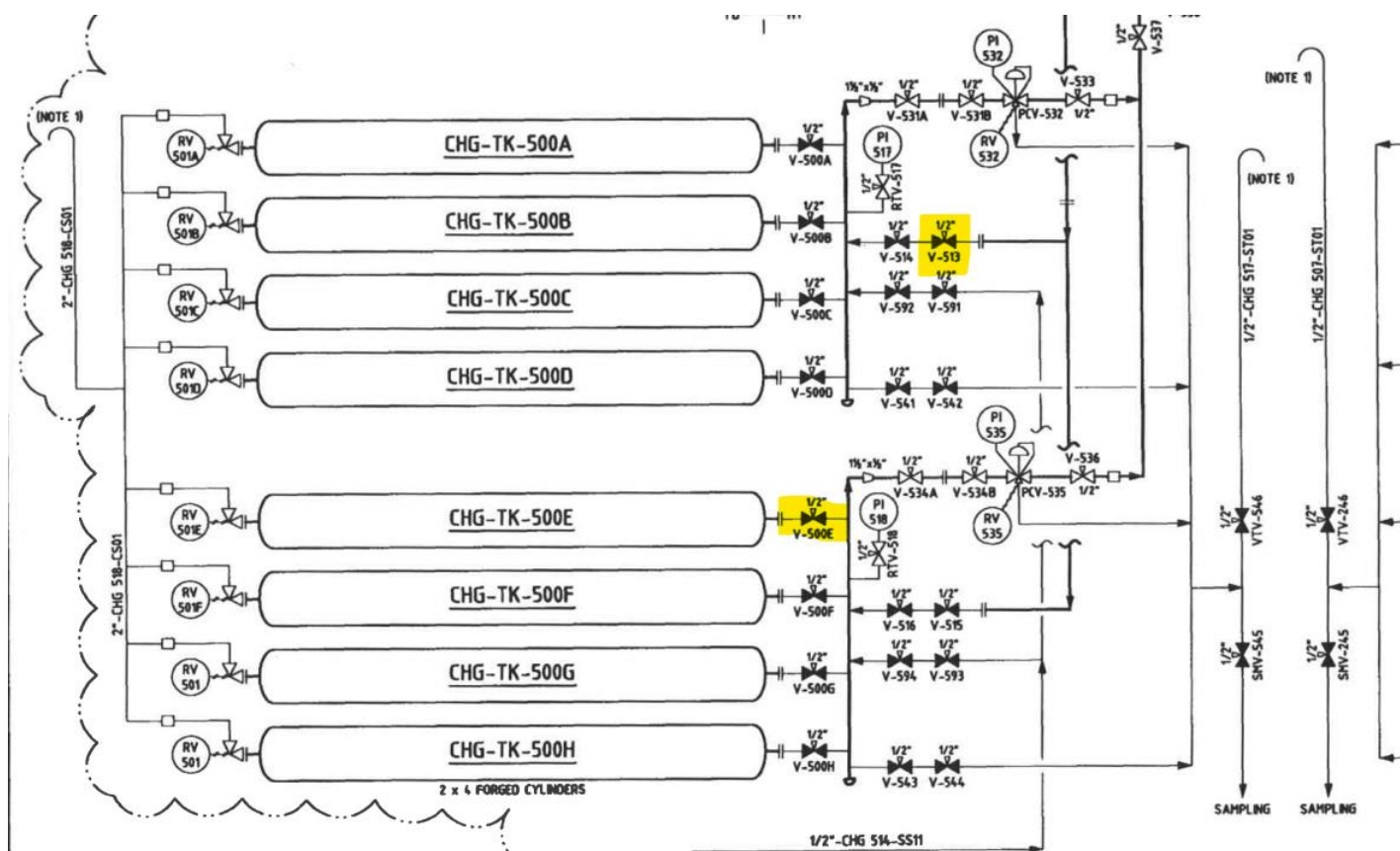
BFPT-8A Right

BFPT-8B Left

BFPT-8B Right

Valve list U7 passing.

| No | Execution Date | Tag Number | Description | Temperature Before Act (normal <82) | Result | Location | Scaffolding Access (PxLxT) | SR no. |
|----|----------------|---------------|---|-------------------------------------|---------|---------------------------|----------------------------|--|
| 1 | 26-Jun-25 | 7BS-MOV-120A | MAIN STEAM LOW PT DRN | >410 | PASSING | Mezzanine floor west side | NO | (WO 2505051024) |
| 2 | | 7BS-MOV-120B | MAIN STEAM LOW PT DRN | 104 | PASSING | Mezzanine floor west side | NO | |
| 3 | | 7BS-MOV-134A | COLD REHEAT 7A AC DRAIN | 226 | PASSING | ground floor above 5 m | 2x1x4 | |
| 4 | | 7BS-MOV-134B | COLD REHEAT 7B BC DRAIN | 229 | PASSING | ground floor above 5 m | 2x1x4 | |
| 5 | | 7BS-MOV-135A | COLD REHEAT 7A AC DRAIN | 228 | PASSING | ground floor above 5 m | 2x1x4 | |
| 6 | | 7BS-MOV-135B | COLD REHEAT 7B AC DRAIN | 240 | PASSING | ground floor above 5 m | 2x1x4 | |
| 7 | | 7BS-MOV-116A | HP BYPASS 7A LOW PT DRN | 201 | PASSING | ground floor above 5 m | 2x1x4 | |
| 8 | | 7BS-MOV-170A | HP BYPASS 7A LOW PT DRN | 116 | PASSING | ground floor above 5 m | 2x1x4 | |
| 9 | | 7BS-MOV-170B | HP BYPASS 7B LOW PT DRN | 201 | PASSING | ground floor above 5 m | 2x1x4 | |
| 10 | | 7BS-MOV-114A | BFPT 7A LOW PT DRN | 388 | PASSING | Mezzanine North BFPT A | NO | |
| 11 | 27-Jun-25 | 7HB-ISOV-204A | EXTRACTION 8A LOW PT DRN | 234 | PASSING | ground floor above 5 m | 2x1x4 | 7HB-ISOV-204A (SR122134), 7HB-ISOV-800A (SR122135) |
| 12 | | 7HB-ISOV-207A | EXTRACTION 8A LOW PT DRN | 320 | PASSING | Mezzanine floor | NO | SR122131 |
| 13 | | 7HB-ISOV-204B | EXTRACTION 8B LOW PT DRN | 245 | PASSING | ground floor above 5 m | 2x1x4 | 7HB-ISOV-204B (SR122132), 7HB-ISOV-800B (SR122135) |
| 14 | | 7HB-ISOV-207B | EXTRACTION 8B LOW PT DRN | 341 | PASSING | Mezzanine floor | NO | |
| 15 | | 7HB-ISOV-220A | EXTRACTION 7A LOW PT DRN | 187 | PASSING | Operating floor above 4 m | 2x1x3 | 7HB-ISOV-220A (SR122128), 7HB-ISOV-700A (SR122129) |
| 16 | | 7HB-ISOV-220B | EXTRACTION 7B LOW PT DRN | 172 | PASSING | Operating floor above 4 m | 2x1x3 | SR122130 |
| 17 | | 7HB-ISOV-230A | EXTRACTION 6A LOW PT DRN | 286 | PASSING | ground floor above 5 m | 2x1x4 | SR122127 |
| 18 | | 7HB-ISOV-233A | EXTRACTION 6A LOW PT DRN | 350 | PASSING | Mezzanine floor | NO | SR120149 |
| 19 | | 7HB-ISOV-230B | EXTRACTION 6B LOW PT DRN | 255 | PASSING | ground floor above 5 m | 2x1x4 | SR122126 |
| 20 | | 7HB-ISOV-233B | EXTRACTION 6B LOW PT DRN | 340 | PASSING | Mezzanine floor | NO | |
| 21 | 28-Jun-25 | 7BS-MOV-151A | LP BYPASS 7A LOW PT DRN | 241 | PASSING | Ground floor above 2 met | 2x1x2 | |
| 22 | | 7BS-MOV-151B | LP BYPASS 7B LOW PT DRAIN | >410 | PASSING | Ground floor above 2 met | 2x1x2 | |
| 23 | | 7BS-MOV-114B | BFPT 7B LOW PT DRN | - | PASSING | Mezzanine South BFPT B | NO | |
| 24 | | 7BS-MOV-165A | LOW PRESSURE TURBINE BYPASS DRAIN POTMO | >410 | PASSING | Mezzanine floor | 2x1x0 | |
| 25 | | 7BS-MOV-165B | LOW PRESSURE TURBINE BYPASS DRAIN POTMO | 393 | PASSING | Mezzanine floor | 2x1x0 | |



- INSTALL SCAFFOLDING FOR ACCES INSPECT AND REPAIR VALVE **CCM-ISOV-753** (CATION REGENERATION VESSEL ANION RESIN OUTLET ISOL V/V)
REPAIR OR REPLACE IF VALVE CANNOT REPAIR.