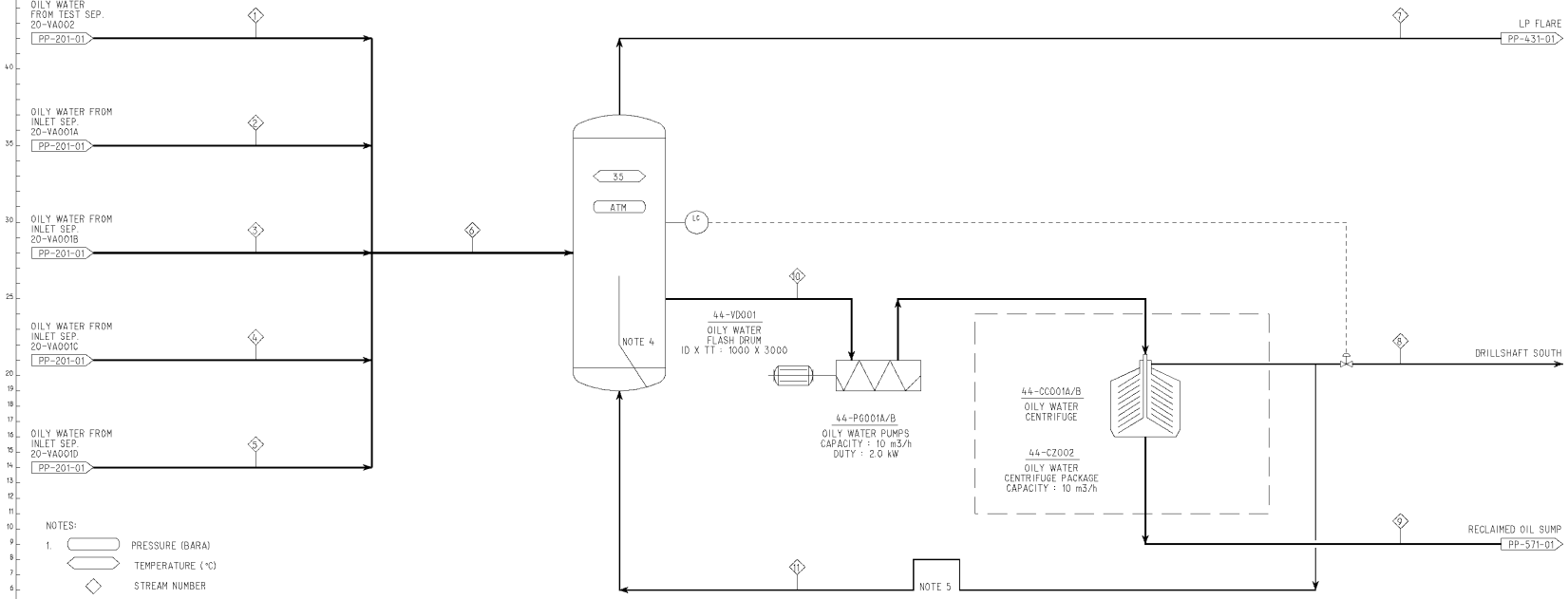
| STREAM NUMBER | | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 | 11 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| CONTINUOUS (C) / INTERMITTENT (I) | | C | C | C | C | C | C | C | C | C | C | C |
| PHASE | | GAS/LIQUID | GAS/LIQUID | GAS/LIQUID | GAS/LIQUID | GAS/LIQUID | GAS/LIQUID | GAS | LIQUID | LIQUID | LIQUID | LIQUID |
| OPERATING PRESSURE | barA | ATM | ATM | ATM | ATM | ATM | ATM | ATM | ATM | ATM | ATM | ATM |
| OPERATING TEMPERATURE | °C | 35 | 35 | 35 | 35 | 35 | 35 | 35 | 35 | 35 | 35 | 35 |
| TOTAL MASSFLOW | $10^3$kg/h | 0.060 | 1.924 | 1.924 | 1.924 | 1.924 | 7.696 | 0.036 | 7.660 | 0.005 | 9.900 | 2.210 |
| LIQUID FLOWRATE, AT F.C. | m³/h | 0.061 | 1.94 | 1.94 | 1.94 | 1.94 | 7.774 | - | 7.74 | 0.01 | 10.00 | 2.23 |
| VAPOUR FLOWRATE, AT F.C. | $10^3$m³/h | 0.0001 | 0.0018 | 0.0018 | 0.0018 | 0.0018 | 0.0071 | 0.025 | - | - | - | - |
| VAPOUR FLOWRATE, AT 15.0°C AND 1.01325 BARA | $10^3$Sm³/h | 0.0001 | 0.0016 | 0.0016 | 0.0016 | 0.0016 | 0.0065 | 0.024 | - | - | - | - |
| DENSITY, AT F.C. | kg/m³ | 990.0 | 990.0 | 990.0 | 990.0 | 990.0 | 990.0 | 1.46 | 990.0 | 800 | 990.0 | 990.0 |
| VISCOSITY | cP | 0.39 | 0.39 | 0.39 | 0.39 | 0.39 | 0.39 | 0.01 | 0.42 | 0.30 | 0.42 | 0.42 |
| TOTAL MASSFLOW (DESIGN CASE) | $10^3$kg/h | 0.075 | 2.500 | 2.500 | 2.500 | 2.500 | 10.000 | 0.050 | 10.000 | 0.100 | 10.000 | 10.000 |
| NOTES | | 2 | 2,6 | 2,6 | 2,6 | 2,6 | 2,6 | 6 | 3 | | 2 | 3 |




NOTES:

1. PRESSURE (BARA)
   TEMPERATURE (°C)
   STREAM NUMBER
2. OIL CONTENT: NORMAL 500 mg/l
   MAXIMUM 2000 mg/l
3. OIL CONTENT: EXPECTED 5 mg/l
   GUARANTEED 15mg/l
4. INTERNAL BAFFLE FOR WATER/CONDENSATE MIXING.
5. RETURN LINE SEAL.
6. GAS BLOWBY RATE FROM ONE INLET SEPARATOR IS 2629 kg/h VIA THE WATER CONTROL VALVE.

| REV | DATE | REASON FOR ISSUE | PREPARED | CHECKED | APPROVED | PREPARED | REVIEWED PROJ. ENG. | REVIEWED DEPARTM. |
|---|---|---|---|---|---|---|---|---|
| A | | REISSUED FOR CONSTRUCTION | | | | | | |
| 0 | 10.11.92 | APPROVED FOR CONSTRUCTION | RT | UA | OFG | | NM | |
| 03 | 11.08.92 | ISSUED FOR REVIEW,AFC | WT | UA | OFG | | | |
| 2A | 16.09.91 | APPROVED FOR DESIGN STATUS 4 | LF | UA | OFG | | NM | LD |
| 2 | 20.03.91 | FOR COMPANY COMM. STATUS 2 | LF | AMB | OFG | | | |
| 1 | 12.03.91 | STATUS 1/IDC | LF | UA | OFG | | | |
| | | | DISCIPLINE ENGINEER | DISCIPLINE CHECK | CONTRACTOR REPR. | DISCIPLINE ENGINEER | PROJECT ARE | COMP.REPR. DEPT.HEAD |
| | | | AKER ENGINEERING A.S | | | A/S NORSKE SHELL | | |

TROLL PHASE 1

Aker Engineering

DOCUMENT CATEGORY: 1 RETENTION CODE: H

CONTRACT NO: C-92060 CTR NO: KP 415

SCALE: — PROJECTION: DWG SIZE: A1

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HARDWARE GROUP/ SERVICE DEPARTMENT:

DRAWING TITLE:

UTILITY FLOW DIAGRAM
SYSTEM 44
OILY WATER TREATMENT

DRAWING NUMBER SHALL BE IN ACCORDANCE WITH TENS

| PROJECT NUMBER | CONT. CODE | AREA CODE | DRAWING CODE | SEQU-ENCE | SHEET NUMBER | REV. |
|---|---|---|---|---|---|---|
| C030 | PG-000- | -PP- | 441 | 01 | A | |