

## Radiography TEST Report for Piping

|                   |            |                                                                                                                 |                |                |        |                    |              |                    |  |        |  |           |  |                   |                |
|-------------------|------------|-----------------------------------------------------------------------------------------------------------------|----------------|----------------|--------|--------------------|--------------|--------------------|--|--------|--|-----------|--|-------------------|----------------|
| Report No.        | 617        | Reference Standard:                                                                                             | ASME B 31.3    | RT Device S/N: | 577    | Density:           | 2-4          | Received Dose(μsv) |  | Geiger |  | Dosimeter |  | Radiographer Name | Personnel Code |
| Report Date:      | 18/05/1405 | RT Instruction No.                                                                                              | J-104-IN-33    | KV:            |        | Sensitivity:       | 1/2          |                    |  | ...    |  | 0         |  | سید حمید موسوی    | 1234           |
| Radiography Date: | 17/05/1405 | RT Technique:                                                                                                   |                | Source Power:  | 36 ci  | Film Type:         | MX125-NIF-10 | 120μsv             |  | 528    |  | 0         |  | محمد دیماد        | 1147           |
| Request No.       | 618        | SWSI <input type="checkbox"/> DWSI <input checked="" type="checkbox"/> DWDI <input checked="" type="checkbox"/> |                | Source Size:   | 2-2    | Total Film Length: | 1,100CM      | 100μsv             |  | 1190   |  | 0         |  | کرامت اله صادقی   | 1123           |
| Page:             | 1/2        | IQI                                                                                                             | 10 - 16 Fe DIN | Exposure Time: | 130min | Spoiled Film:      | 18CM         |                    |  | ...    |  | ...       |  | ...               |                |

| Number of locations: |           | 45                        | Total request (inch diameter/film sheet): |             | 120.5    | Number of radiographic lesions: |               |          | 23           | Total radiographed (inch diameter/film sheet): |                 |            |         | (inch)      | Start time:                         |                          | 20:00                    | End time:                |                          |        | 4:00 |
|----------------------|-----------|---------------------------|-------------------------------------------|-------------|----------|---------------------------------|---------------|----------|--------------|------------------------------------------------|-----------------|------------|---------|-------------|-------------------------------------|--------------------------|--------------------------|--------------------------|--------------------------|--------|------|
| Row                  | Joint No. | Line No.                  | RT No.                                    | Size (inch) | Thk (mm) | Film Size                       | Segment       | Material | Welder Stamp |                                                | Welding Process | Joint Type | Req No. | Weld Defect | Accept                              | Repair                   | Reshoot                  | Retake                   | Cut-Out                  | Remark |      |
|                      |           |                           |                                           |             |          |                                 |               |          | W1           | W2                                             |                 |            |         |             |                                     |                          |                          |                          |                          |        |      |
| 1                    | 019RWC    | 8-BDM-10-72C02-B1P21      | 7048-RP                                   | 8           | 6.35     | 18*1                            | 14~15         | LTCS     | PW-012-1     |                                                |                 | BW         | 618     |             | <input checked="" type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> |        |      |
| 2                    | 009RWC    | 3-BDM-10-72B02-B1P21      | 7055-RP                                   | 4           | 6.02     | 18*1                            | 10~13         | LTCS     | PW-013-1     |                                                |                 | BW         | 618     |             | <input checked="" type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> |        |      |
| 3                    | 008       | 1.5-BDM-10-73B03-B1P21    | 7161                                      | 1.5         | 5.08     | 15*3                            | ALL           | LTCS     | PW-013-1     |                                                |                 | BW         | 618     |             | <input checked="" type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> |        |      |
| 4                    | 75-8C     | 16-BDM-10-60B01-B1P21(RI) | 7258-RP                                   | 16          | 6.35     | 30*1                            | 70~90         | LTCS     | PW-012-1     |                                                |                 | BW         | 618     |             | <input checked="" type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> |        |      |
| 5                    | 084RWC    | 16-BDM-10-60B01-B1P21(RI) | 7259-RS                                   | 16          | 6.35     | 27*6                            | ALL           | LTCS     | PW-012-1     |                                                |                 | BW         | 618     |             | <input checked="" type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> |        |      |
| 6                    | 90-1C     | 16-BDM-10-60B01-B1P21(RI) | 7260-RS                                   | 16          | 6.35     | 35*1                            | 60~90         | LTCS     | PW-012-1     |                                                |                 | BW         | 618     |             | <input checked="" type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> |        |      |
| 7                    | 091RWC    | 16-BDM-10-60B01-B1P21(RI) | 7261-RP                                   | 16          | 6.35     | 27*3                            | 65-70,100-119 | LTCS     | PW-012-1     |                                                |                 | BW         | 618     |             | <input checked="" type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> |        |      |
| 8                    | 010RWOCO  | 1-BDM-10-07802-B1P21      | 7264CO                                    | 1           | 4.55     | 15*3                            | ALL           | LTCS     | PW-100       |                                                |                 | BW         | 618     |             | <input checked="" type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> |        |      |
| 9                    | 011RWOCO  | 1-BDM-10-07802-B1P21      | 7265CO                                    | 1           | 3.38     | 15*3                            | ALL           | LTCS     | PW-100       |                                                |                 | BW         | 618     |             | <input checked="" type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> |        |      |
| 10                   | 001RWC    | 1-BDM-10-72C03-B1P21      | 7299                                      | 1           | 4.55     | 15*3                            | ALL           | LTCS     | PW-012-1     |                                                |                 | BW         | 618     |             | <input checked="" type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> |        |      |
| 11                   | 1-10      | 1-BDM-10-73B07-B1P21      | 7309                                      | 1           | 4.55     | 15*3                            | ALL           | LTCS     | PW-012-1     |                                                |                 | BW         | 618     |             | <input checked="" type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> |        |      |
| 12                   | 001RWO    | 1-BDM-10-73B07-B1P21      | 7310                                      | 1           | 4.55     | 15*3                            | ALL           | LTCS     | PW-012-1     |                                                |                 | BW         | 618     |             | <input checked="" type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> |        |      |
| 13                   | 002RWO    | 1-BDM-10-73B07-B1P21      | 7311                                      | 1           | 4.55     | 15*3                            | ALL           | LTCS     | PW-012-1     |                                                |                 | BW         | 618     |             | <input checked="" type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> |        |      |
| 14                   | 002       | 4-BDM-10-60B10-B1P21(RI)  | 7336-RP                                   | 4           | 6.02     | 18*1                            | 31-32         | LTCS     | PW-013       |                                                |                 | BW         | 618     |             | <input checked="" type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> |        |      |
| 15                   | 015       | 0.75-BDM-10-23B01-B1P21   | 7396                                      | 0.75        | 3.91     | 15*3                            | ALL           | LTCS     | PW-140       |                                                |                 | BW         | 618     |             | <input checked="" type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> |        |      |
| 16                   | 020       | 0.75-BDM-10-23B01-B1P21   | 7397                                      | 0.75        | 3.91     | 15*3                            | ALL           | LTCS     | PW-012       |                                                |                 | BW         | 618     |             | <input checked="" type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> |        |      |
| 17                   | 029       | 0.75-BDM-10-23B01-B1P21   | 7398                                      | 0.75        | 3.91     | 15*3                            | ALL           | LTCS     | PW-140       |                                                |                 | BW         | 618     |             | <input checked="" type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> |        |      |
| 18                   | 008       | 1-BDM-10-73B04-B1P21      | 7462                                      | 1           | 4.55     | 15*3                            | ALL           | LTCS     | PW-012       |                                                |                 | BW         | 618     |             | <input checked="" type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> |        |      |
| 19                   | 014       | 1-BDM-10-73B04-B1P21      | 7463-RT                                   | 1           | 4.55     | 15*3                            | ALL           | LTCS     | PW-051       |                                                |                 | BW         | 618     |             | <input checked="" type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> |        |      |
| 20                   | 004RWE    | 1-BDM-10-30B01-A1P21      | 7932                                      | 1           | 4.55     | 15*3                            | ALL           | CS       | PW-012-1     |                                                |                 | BW         | 618     |             | <input checked="" type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> |        |      |

|                               |             |                      |                                                     |  |        |                              |                    |                  |                        |               |
|-------------------------------|-------------|----------------------|-----------------------------------------------------|--|--------|------------------------------|--------------------|------------------|------------------------|---------------|
| Number of radiographed welds: |             | 20                   | Total inch:                                         |  | (inch) | Total number of film sheets: |                    | 62               |                        |               |
| Legend:                       | P: Prosoity | CP: Cluster porosity | LOP, IP:Lack Of Penetration, Inadequate Penetration |  |        | UC:UnderCut                  | SI: Slag Inclusion | HB: Hollow Bead  | EP: Excess Penetration | WH: Worm Hole |
|                               | C: Crack    | CC: Crater Crack     | LOF, IF:Lack Of Fusion, Incomplete Fusion           |  |        | BT: Burn Through             | CL: Cold Lap       | MA: MisAlignment | IC: Internal Concavity | FM: Film Mark |

| Sub-Contractor (NDT Contractor) |                        |  | Owner |
|---------------------------------|------------------------|---------------------------------------------------------------------------------------|-------|
| Operator (Level II)             | Technical Manager      |                                                                                       |       |
| Name: سید حمید موسوی            | Name: سینا حاجی مقصودی |                                                                                       | Name: |
| Date: 18/05/1405                | Date:                  |                                                                                       | Date: |
| Sign:                           | Sign:                  |                                                                                       | Sign: |

Code: J-104-FO-09

Revision: 04

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