INDUSTRIAL WATER
INTERNAL DISTRIBUTION
DEMI WATER
B.L.
D:M001 S:M001 E:M049B
D:M040 S:M040 E:M040
N2 BOTTLES CONNECTIONS
TRUCK
TRUCK UNLOADING SKID
NOTE 6
NOTE 9
NOTE 12
NOTE 15
LOCAL CONTROL PANEL
LOCAL CONTROL ROOM AND I&C AND ELECTRICAL RACK ROOM
UNLOADING TANK
NOTE 7
AMMONIA SOLUTION UNLOADING PUMPS A/B 2x100%
PUMPS EMERGENCY PUSH BUTTON
NOTE 10
NOTE 2
EMERGENCY UNLOADING TRUCK
AMMONIA SOLUTION STORAGE TANK A V=100m³ NOTE 1
AMMONIA SOLUTION STORAGE TANK B V=100m³ NOTE 1
NOTE 13
NOTE 15
NOTE 7
V=(HOLD)m³
AMMONIA SOLUTION CIRCULATION PUMPS 2X100%
DRAIN PIT COLLECTION HEADER
NOTE 2
SUMP PUMPS 2x100%
FINAL DISCHARGE BASIN V=70mc
pH
SAFE POSITION
TO FINAL DISCHARGE BASIN
FUME SCRUBBER
OVERFLOW
AMMONIA RECOVERED PUMPS 2x100%
TO BE VENTED IN A SAFE AREA
NOTE 14
NH₃ DETECTION
NH₃ DETECTION PANEL
NH₃ ABATEMENT DELUGE VALVE NOTE 8
FIREFIGHTING WATER
PBCFU60241
CHEMICAL SYSTEM
EMERGENCY SHOWER WITH BOILER
NOTE 4
POTABLE WATER
SERVICE AIR
AMMONIA STORAGE SYSTEM
INSTRUMENT AIR
NOTE 11
EVAPORATOR 1
NOTE 16
NOTE 3
AMMONIA ATER COLLECTING
CONNECTION FOR TRUCK LOADING
FROM PIT SCR AREA

NOTES:

NOTE 1: ONLY 50% OF THE AVAILABLE VOLUME INSIDE THE TANKS WILL BE UTILIZED FOR STORAGE
NOTE 2: TO DRAIN PIT COLLECTION HEADER
NOTE 3: CONNECTION FOR PIPE WASHING
NOTE 4: DRINKING WATER STATION
NOTE 5: TRUCK POSITION SENSORS
NOTE 6: BEFORE STARTING UNLOADING PROCEDURE, TRUCK SHALL BE CONNECTED TO EARTHING GRID WITH SUITABLE CABLES
NOTE 7: SAMPLING POINT
NOTE 8: NUMBER OF EMERGENCY VALVES TO BE DEFINED ACCORDING TO THE RELEVANT AREAS (TRUCK UNLOADING, TANKS, PUMPS)
NOTE 9: CONNECTIONS FOR TRUCK AREA FLUSHING
NOTE 10: PUMPS TO BE SUPPLIED WITH START/STOP BUTTON
NOTE 11: EMERGENCY DRAIN TO WASTE WATER COLLECTION
NOTE 12: STANDARD FAST CLAMP
NOTE 13: VACUUM BREAKER WITH SCREEN
NOTE 14: NUMBER OF NEEDED INSTRUMENTS WILL BE DEFINED DURING DETAIL ENGINEERING
NOTA 15: MANUAL VALVE WITH LIMIT SWITCH
NOTA 16: CONNECTION FOR PIPE DRAIN

REV. Rev.	DATE Data	SCOPE Scopo	REVISION DESCRIPTION Descrizione della revisione	PREPARED BY Preparato	COOPERATIONS Collaborazioni	APPROVED BY Approvato	ISSUED BY Emesso
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ENGINEERING AND CONSTRUCTION

CLIENT Cliente: ENEL PRODUZIONE S.p.A.
JOB No
DOC No
PROJECT Progetto: FUSINA CAPACITY MARKET ITALY
TITLE Titolo: PFD AMMONIA STORAGE
SYSTEM Sistema
APPLIC. TO SECTION Valido per le sezioni
SCALE Scala: –
DWG No Dis. n.: PBCFU60128
SHEET Foglio: 01 | COLL.SHEET Segue fg.: – | OF Di: 01 | SIZE FORMATO: A1 | DWG TYPE Tipo el.: D | DISC. Disc.: J P
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