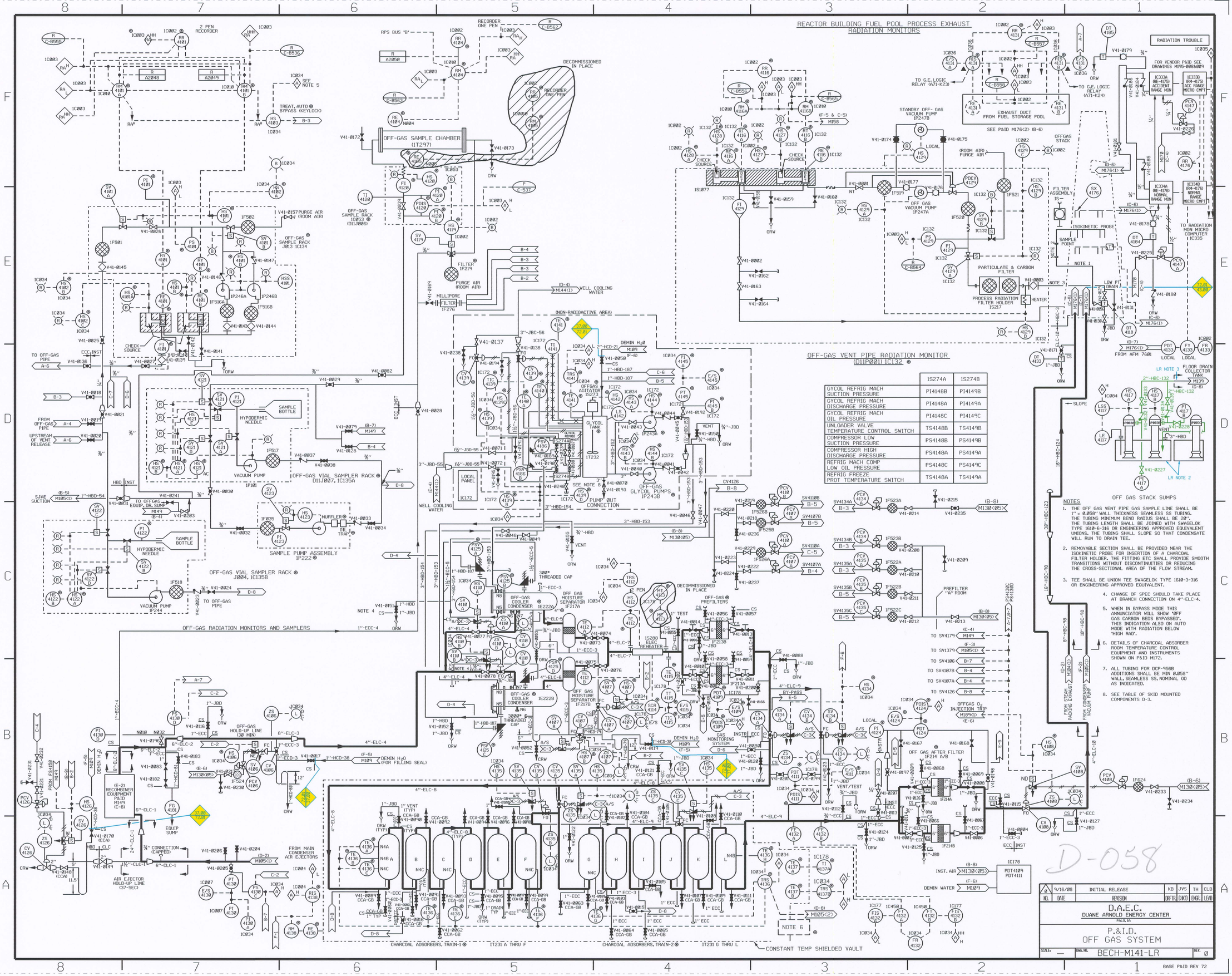

	1S274A	1S274B
GYCOL REFRIG MACH SUCTION PRESSURE	PI4148B	PI4149B
GYCOL REFRIG MACH DISCHARGE PRESSURE	PI4148A	PI4149A
GYCOL REFRIG MACH OIL PRESSURE	PI4148C	PI4149C
UNLOADER VALVE TEMPERATURE CONTROL SWITCH	TS4148B	TS4149B
COMPRESSOR LOW SUCTION PRESSURE	PS4148B	PS4149B
COMPRESSOR HIGH DISCHARGE PRESSURE	PS4148A	PS4149A
REFRIG MACH COMP LOW OIL PRESSURE	PS4148C	PS4149C
REFRIG FREEZE PROT TEMPERATURE SWITCH	TS4148A	TS4149A

NOTES

1. THE OFF GAS VENT PIPE GAS SAMPLE LINE SHALL BE 1" x 0.058" WALL THICKNESS SEAMLESS SS TUBING. THE TUBING MINIMUM BEND RADIUS SHALL BE 20". THE TUBING LENGTH SHALL BE JOINED WITH SWAGELOK TYPE 1610-6-316 OR ENGINEERING APPROVED EQUIVALENT UNIONS. THE TUBING SHALL SLOPE SO THAT CONDENSATE WILL RUN TO DRAIN TEE.
2. REMOVABLE SECTION SHALL BE PROVIDED NEAR THE ISOKINETIC PROBE FOR INSERTION OF A CHARCOAL FILTER HOLDER. THE FITTING ETC SHALL PROVIDE SMOOTH TRANSITIONS WITHOUT DISCONTINUITIES OR REDUCING THE CROSS-SECTIONAL AREA OF THE FLOW STREAM.
3. TEE SHALL BE UNION TEE SWAGELOK TYPE 1610-3-316 OR ENGINEERING APPROVED EQUIVALENT.
4. CHANGE OF SPEC SHOULD TAKE PLACE AT BRANCH CONNECTION ON 4"-ELC-4.
5. WHEN IN BYPASS MODE THIS ANNUNCIATOR WILL SHOW "OFF GAS CARBON BEDS BYPASSED". THIS INDICATION ALSO ON AUTO MODE WITH RADIATION BELOW "HIGH RAD".
6. DETAILS OF CHARCOAL ABSORBER ROOM TEMPERATURE CONTROL EQUIPMENT AND INSTRUMENTS SHOWN ON P&ID M172.
7. ALL TUBING FOR DCP-956B ADDITIONS SHALL BE MIN 0.058" WALL, SEAMLESS SS, NOMINAL OD AS INDICATED.
8. SEE TABLE OF SKID MOUNTED COMPONENTS D-3.

LR NOTES

1. ALL EXPOSED DRAIN PIPING AND FUNNELS ARE IN SCOPE FOR LICENSE RENEWAL.
2. ONLY THE EXPOSED PORTION OF THE PIPING ABOVE THE SUMP COVER IS IN SCOPE. THE 3"-HBD VENT PIPE IS NOT WATER FILLED AND NOT IN SCOPE FOR CRITERION (a)(2).
3. THE 2"-HBC-132 BURIED PIPE IS NOT IN SCOPE

LR LEGEND:

- COMPONENTS IN SCOPE PER 10CFR54.4(a)(1) AND/OR (a)(3) AND SUBJECT TO AMR PER 54.21
- COMPONENTS NOT SUBJECT TO AMR
- COMPONENTS IN SCOPE PER 10CFR54.4(a)(2) AND SUBJECT TO AMR PER 54.21
- SYSTEM BOUNDARY INTERFACE
  - 37.00 CONDENSATE & DEMIN WATER
  - 43.00 CONDENSER AND CONDENSER AIR REMOVAL
  - 72.01 OFF-GAS RECOMBINERS

NO.	DATE	REVISION	DRFTG	CHKD	ENGR.	LEAD
0	9/16/00	INITIAL RELEASE	KB	JVS	TH	CLB

D.A.E.C.
DUANE ARNOLD ENERGY CENTER
PALO, IA

P.&I.D.
OFF GAS SYSTEM

SCALE: — DWG.NO. BECH-M141-LR REV. 0

BASE P&ID REV 72