



NOTES:
 1. These valves form part of the Necsa Utility Service P&ID.
 2. A high-point vent is provided in the closed cooling loop to remove air during start-up. Exact location of vent line and safe discharge point to be defined once the system layout and routing of piping is established.
 3. Low-point drains are provided for removal of liquid from closed cooling loops during shutdown/maintenance. Exact location of drain valve and safe discharge point to be defined once the system layout and routing of piping are established.
 4. Primary cooling water supply and return manifolds Y83238 and Y83233 will each have a 50NB size.
 5. The status of run indicator XA83234A, XA83235 and XA83239A&B are displayed on SCADA screen in the control room.

REFERENCED P&IDs & DOCUMENTS

1.) ENS-FDP-PID-24002 - Reactor System 820
2.) ENS-FDP-PID-24003 - KOH Scrubber System 831

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REV	DESCRIPTION	PRP'D	DATE
1.0	First revision - Detail design	N.M	27/08/2024
2.0	Second revision - Updated pressure indicator PI83234 to PI83234C	N.M	30/09/2024
3.0	Third revision - Updated flow indicators FI83236D and FI83237A to flow indicator transmitters	N.M	22/10/2024
4.0	Fourth revision - Addressing outstanding HAZOP3 recommendations	N.M	24/03/2025



SCALE - NTS
 UNITS - N/A

PROJECT	PTFE FILTER DESTRUCTION PROJECT		
	P&ID DIAGRAM		
TITLE	COOLING WATER SYSTEM 832		
	ENS-FDP-PID-24004		
DRG.No.	1 OF 1		
SHEET	TEAMCENTRE No. -		



ENS-FDP-PID-24004