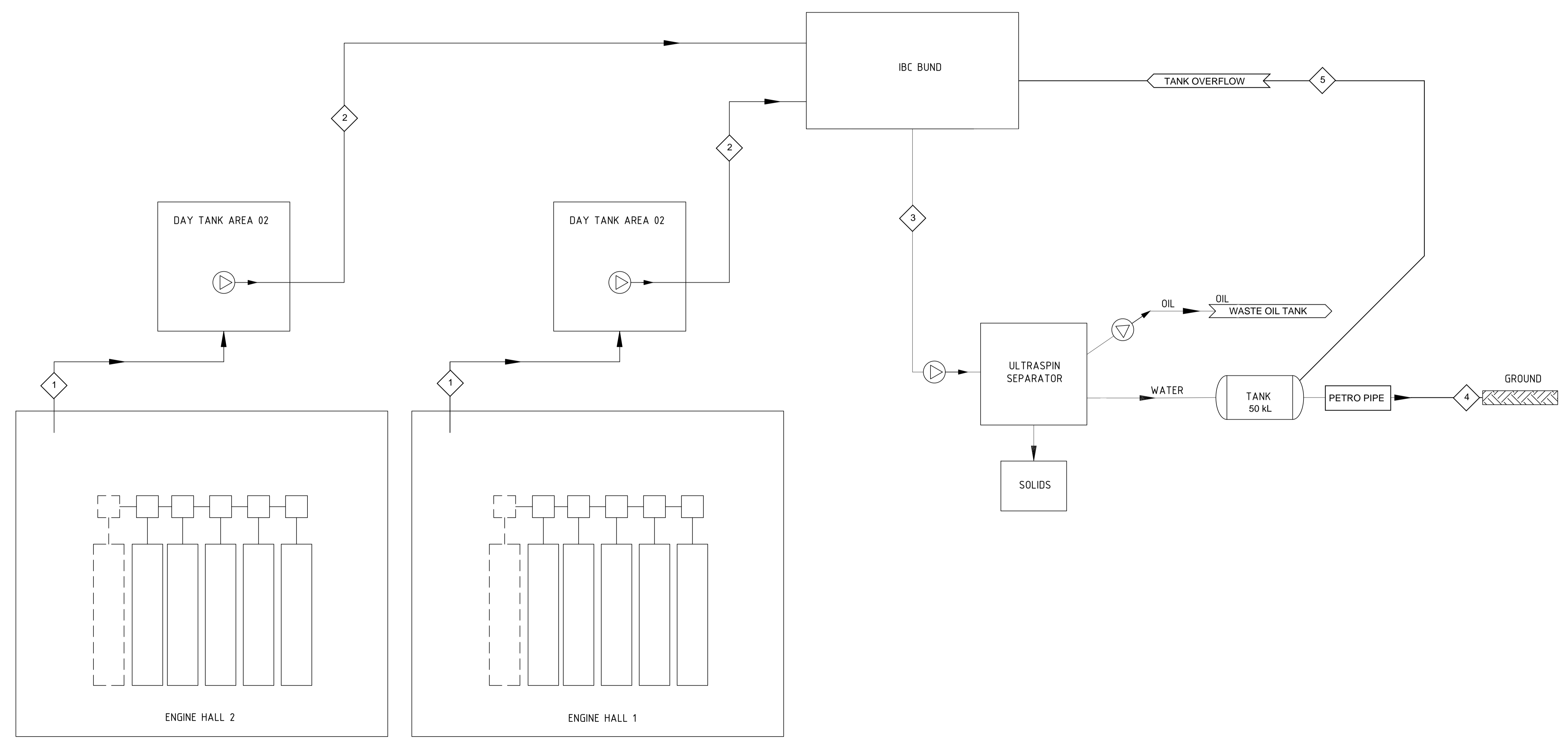


		STREAM				
		1	2	3	4	5
FLOW	MAX INSTANTANEOUS (L/min)	140	140	140	58	58
	MAX OVER 24 HR (L/day)	10000 (Note 1)	16000 (Note 2)	38000 (Note 2)	38000 (Note 2)	83500 (Note 3)
	AVERAGE (L/day)	40	125	280	280	0 (Note 4)
OIL CONCENTRATION	MAX (PPM)	1000000	1000000	1000000	<5 (Note 5)	1000000 (Note 4)
	NORMAL OPERATION (PPM)	400 (Note 6)	400 (Note 6)	400 (Note 6)	<5 (Note 7)	0 (Note 4)

NOTES:  
1. THIS ASSUMES A WORST CASE OIL SPILL IN THE ENGINE HALL  
2. THIS ASSUMES A 1 IN 20 YEAR RAINFALL EVENT  
3. THIS ASSUMES A LARGE OIL SPILL HAS OVERWHELMED THE SEPERATOR, THE PETRO PIPE IS BLOCKED CAUSING THE OILY WATER TANK TO OVERFLOW AND THE OILY WATER TO RECIRCULATE. ORDINARILY THE SEPERATOR/ PUMP WOULD BE SWITCHED OFF IF THIS HAPPENS.  
4. OILY WATER WILL ONLY FLOW THROUGH HERE IN AN EMERGENCY SITUATION WHEN THE SEPERATOR HAS BEEN OVERWHELMED AND THE OILY WATER VOLUME EXCEEDS THE VOLUME OF THE TANK. ORDINARILY THE SEPERATOR/ PUMP WOULD BE SWITCHED OFF IF THIS HAPPENS.  
5. THE PETRO PIPE LIMITS THE DISCHARGE TO 5PPM, ANYTHING ABOVE THIS WILL BLOCK THE PETRO PIPE PREVENTING AN OIL SPILL. IT IS COMPLIANT WITH EN 858-1  
6. THE OILY WATER BEING TREATED WILL NORMALLY CONTAIN NEGLIDGIBLE AMOUNTS OF HYDROCARBONS. THIS PPM ASSUMES THAT AN OIL SPILL OF APPROXIMATELY 10L HAS OCCURED  
7. ASSUMING THE OPERATING CONDITIONS ARE AS PER NOTE 6 THE OIL CONCENTRATION COMING OUT OF THE SEPERATOR WILL BE BETTER THAN 5 PPM



REV	BY	DATE	DESCRIPTION
1	BPE	19/02/2026	ISSUED FOR REFERENCE
0C	KSH	19/11/2025	ISSUED FOR INTERNAL REVIEW
0B	KSH	01/08/2025	ISSUED FOR INTERNAL REVIEW
0A	KSH	31/07/2025	ISSUED FOR INTERNAL REVIEW

APPROVAL SIGNATURE	REF.	DRAWING NUMBER	PUBLISHER

NOTES:

PRELIMINARY REVISION, SUBJECT TO CHANGE

DO NOT SCALE  
DIMENSIONS IN MILLIMETRES  
THIS DRAWING MUST NOT BE COPIED OR REPRODUCED IN ANY FORM OR USED FOR ANY PURPOSE OTHER THAN ORIGINALLY INTENDED WITHOUT WRITTEN APPROVAL OF ZENITH ENERGY

TITLE			SHEET		REV.
KCGM HYBRID POWERSTATION THERMAL STATION OILY WATER AND TREATED OILY WATER SYSTEMS PROCESS FLOW DIAGRAM			1 OF 1		1
SCALE	SIZE	DRG. No.			
NTS	A1	113-DP-0019			