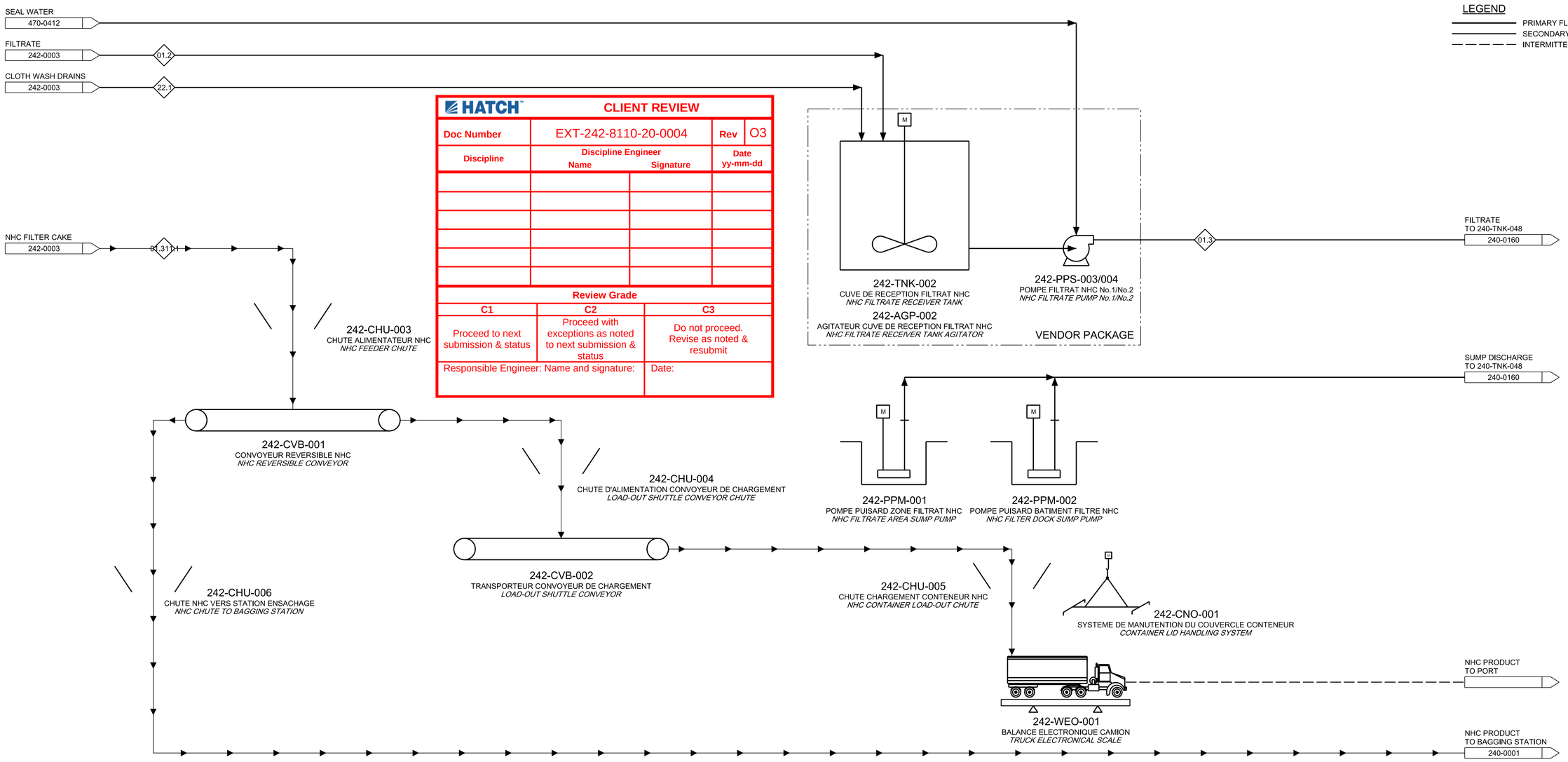

HATCH — **CLIENT REVIEW**

Doc Number	EXT-242-8110-20-0004		Rev	O3
Discipline	Discipline Engineer Name	Signature	Date yy-mm-dd	

Review Grade		
C1	C2	C3
Proceed to next submission & status	Proceed with exceptions as noted to next submission & status	Do not proceed. Revise as noted & resubmit
Responsible Engineer: Name and signature:		Date:

NOTE 1 — NOTE 2 — NOTE 3 — NOTE 2

	UNIT	02.1	09.1	05.1	05.1	03.1	06.1	11.1	01.1	03.1	07.1	01.1	22.1		13.1	13.2
		ONE PF 15														
		SLURRY IN	CLOTH WASH WATER IN	MANIFOLD WASH WATER IN	CAKE WASH IN	PRESSING WATER IN	DRYING AIR IN (Nm³/h)	CAKE OUT	FILTRATE OUT	PRESSING WATER OUT	MANIFOLD FLUSH DRAIN	CAKE WASH OUT	CLOTH WASH DRAIN	FILTRATE & DRAINS OUT	CLEAN WATER IN	CLEAN WATER IN
CONSUMPTION	m³/h	24.36	1.70	2.70	9.80	6.18	409.00	14.97	16.73	6.18	2.70	9.80	1.70	30.93	0.00	14.20
MASS	tons/h	29.84	1.70	2.70	1.30	6.18	-	13.11	16.73	6.18	2.70	1.30	1.70	30.93	0.00	14.20
SOLIDS	tons/h	8.00	0.00	0.00	-	-	-	8.00	0.003	-	0.040	-	0.017	0.06	0.00	0.00
WATER	tons/h	21.84	1.70	2.70	1.30	6.18	-	5.11	16.73	6.18	2.70	1.30	1.70	30.93	0.00	14.20
SOLIDS CONTENT	% -w/w	25.00	0.00	0.00	0.00	-	-	0.61	0.02	-	1.48	0.00	1.00	0.00	0.00	0.00
FLOWRATE (INSTANTANEOUS)	m³/h	180	18	126	126	66	2430	67kg/s		66	126	126	18		-	-
PRESSURE	bar	6	12	7	5	11	7	-	0	-	0	0	0	0	-	-
TEMPURATURE	°C	45	15~50	15~50			10~80									

NOTES:

1. MASS BALANCE AS PROVIDED BY VENDOR.
2. NO TEST DATA AVAILABLE. FIGURES BASED ON EXPERIENCE.
3. MANIFOLD FLUSH SOLIDS CONTENENT IS BASED ON REMAINING SLURRY AMOUNT AT THE END OF FEED MANIFOLD, WHICH IS FLUSHED IN EVERY FILTRATION CYCLE. CONCENTRATION DEPENDS ON MANIFOLD FLUSH WATER AMMOUNT.

DESIGNED BY	R BURATTO	2014-03-17
DRAWN BY	J WILSON	2014-03-17
CHECKED BY	C OTTENHEIMER	2014-03-17
DISCIP. ENGR	R BURATTO	2014-03-17
PROJ. DES. COORD		
AREA / ENG. MGR	R VERSTRATEN	2014-03-17
CLIENT APPR'D		

HATCH

DRG. NO. H346357-0000-05-030-0004

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DESSIN DE REF. / REF. DRAWING	DESCRIPTION DES DESSINS DE REF. / REFERENCE DRAWING DESCRIPTION
EXT-242-8820-25-0090 TO 0140	P&ID LEGEND SHEETS 1 TO 6

REV.	DATE	DESCRIPTION DES REVISIONS / REVISION DESCRIPTION	DESS./DRN.	VER./CKD.	APP. / APP.	SIGNATURES
03	2014-05-19	ISSUED FOR CLIENT COMMENT	RD	CO	RB	
02	2014-03-17	ISSUED FOR CLIENT COMMENT	JW	CO	RB	
01	2014-03-17	ISSUED FOR INTERNAL COMMENT	JW	CO	RB	

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VALE

VALE NOUVELLE CALEDONIE — VALE NEW CALEDONIA

NUM. PROJET / PROJECT No. 2652

TITRE / TITLE

PFD

FILTRE PRESSE NHC

PAGE 2 SUR 2

PFD

NHC PRESSURE FILTER

SHEET 2 OF 2

NUMERO DE DESSIN / DRAWING NUMBER: EXT-242-8110-20-0004

REV. 03

Original wet signed drawing sighted by Hatch Document Control 2014-05-20

H346357-0000-05-030-0004.dgn 16:00 odc_pwservice19-MAY-2014