2011 Engineer Inventory Checklist for RMP CalARP Plants

Updated 10/4/11

Assigned process engineer is responsible for verifying the quantities identified in the RMP/CalARP technical data. These quantities are located in plant equipment technical data.

The biggest reason for change will be plant process changes and any new/modified equipment (mostly vessels) involving AnNH3, AqNH3, Flammables (C5 or lighter and hydrogen), H2S, or sulfuric acid with flash <73 degF. These can be in gas or liquid forms.

PSM Coordinator will provide the excel worksheets and background calculations from previous reviews.

Area/Plant	Process Engineer/Assigned	RMP/PSM Review	LEPC review	Engr response	addl info	RM Backgrd Engr/date	SME Engr/date	SME Engr/sign off	Comments/Status
Blending and Shipping	**Stephanie Watson**								**Process description update received 8/16**
SME for review									
Wharf	Eric Topham	ccs 7/29		8/10 Eric		ok 8/15	8/10 Eric	8/1 Watson	COMPLETE
T&B Crude	Eric Topham	ccs 7/29		8/10 Eric	yes 8/16	ok 9/7	8/10 Eric	8/1 Watson	confirmed Lt Poly to be included; COMPLETE
T&B Refined	Eric Topham	ccs 7/29		8/10 Eric		ok 8/15	8/10 Eric	8/1 Watson	COMPLETE
Utilities & Environmental	**Stephanie Watson**								**Process description update received 8/16**
Cogen	Brian Kileen	ccs 8/8	ccs 8/8	8/17 Brian		ok 8/18	8/17 Brian		COMPLETE
NG Distrib	Brian Kileen	ccs 8/8	ccs 8/8	8/17 Brian	yes 8/18	ok 9/16		9/16 Watson	COMPLETE
FG Distrib	Brian Kileen	ccs 8/8	ccs 8/8	8/17 Brian	yes 8/18	ok 9/16		9/16 Watson	COMPLETE
Process Gas Distrib	Brian Kileen	ccs 8/8	ccs 8/8	8/17 Brian	yes 8/18	ok 9/16		9/16 Watson	COMPLETE
Power Plant	Brian Kileen	ccs 8/8	ccs 8/8	8/17 Brian		ok 8/18	8/17 Brian		COMPLETE
RARE									not a covered process
Cracking	**Ande Morin**								**Process description update received 8/11**
SME for review	**Patricia Roberts / Jimmy Lam**								
Alky	Lisa Skultety	ccs 8/5	ccs 8/5	8/16 Lisa	-	ok 8/17	8/17 Lisa	8/18 Ande	COMPLETE
Alky GRU	Lisa Skultety	ccs 8/5	ccs 8/5				8/17 Lisa	8/18 Ande	COMPLETE
SHU	Russell Bradley	ccs 8/5	ccs 8/5	8/11 Russ	-	ok 8/16	8/11 Russ	8/11 Ande	COMPLETE
Butamer	Russell Bradley	ccs 8/5	ccs 8/5	8/11 Russ	-	ok 8/16	8/11 Russ	8/11 Ande	COMPLETE
FCC	Mar: Robbie Richter Now: Jake Martzahn	ccs 8/5	ccs 8/5	8/11 Jake	-	ok 8/15		8/18 Ande	COMPLETE
LPG Racks	Russell Bradley	ccs 8/5	ccs 8/5	8/11 Russ	-	ok 8/16	8/11 Russ	8/11 Ande	COMPLETE
Poly	Mar: Russell Bradley Now: Amy Chen	ccs 8/5	ccs 8/5	8/17 Amy		ok 8/17	8/18 Amy	8/18 Ande	COMPLETE; 8/30 updated to include Lt Poly
NH3	Russell Bradley	ccs 8/5	ccs 8/5	8/11 Russ	-	ok 8/16	8/11 Russ	8/11 Ande	COMPLETE
SRU (& SRU SWC)	Tom Randle & Ryan McQuiston	ccs 8/5	ccs 8/5	8/16 Tom 8/22 Ryan	yes 8/16	ok 8/22	8/22 Ryan		COMPLETE
3H2S/SWC (FCC)	Tom Randle & Ryan McQuiston	ccs 8/5	ccs 8/5	8/16 Tom 8/22 Ryan	yes 8/16	ok 8/22	8/22 Ryan		COMPLETE
Yard DIB	Russell Bradley	ccs 8/5	ccs 8/5	8/11 Russ	yes 8/16	ok 8/16	8/11 Russ	8/11 Ande	COMPLETE
Railcars	Russell Bradley	ccs 8/5	ccs 8/5	8/11 Russ	-	ok 8/16	8/11 Russ	8/11 Ande	COMPLETE
D&R - East	**Tifanie Steele**								**Process description update received 8/18**
SME for review	**Garth Jolly / Jimmy Lam**								
#4 Crude	Ben Purvis	ccs 8/5	ccs 8/5	8/11 Ben		ok 9/7	8/11 Ben		COMPLETE
#5 H2S	Hannah Wallace	ccs 8/5	ccs 8/5	8/23 Hannah	yes 9/7	ok 9/7	8/23 Hannah		COMPLETE
DHT	Tim Burchfield	ccs 8/5	ccs 8/5	8/23 Tim	yes 9/7	ok 9/12	8/23 Tim		COMPLETE
GHT	Mar: Tim Burchfield Now: Samantha Stocker	ccs 8/5	ccs 8/5	8/23 Sam	yes 9/7	ok 9/13	8/23 Sam		COMPLETE
D&R - West	**Tifanie Steele**								**Process description update received 8/18; added JHT 9/13**
SME for review	**Garth Jolly / Jimmy Lam**								
4 Rheniformer	Kimia Namazian	ccs 8/5	ccs 8/5	8/24 Kimia		ok 9/7	8/24 Kimia		COMPLETE
5 Rheniformer	Kimia Namazian	ccs 8/5	ccs 8/5	8/24 Kimia		ok 9/7	8/24 Kimia		COMPLETE
5 NHT	Mandy Smart	ccs 8/5	ccs 8/5	8/17 Mandy		8/18 ok	8/17 Mandy	8/17 Tifanie	COMPLETE
JHT	Hannah Wallace	ccs 8/5	ccs 8/5	8/23 Hannah	yes 9/7	ok 9/12	8/23 Hannah	9/12 Tifanie	COMPLETE
H2 Booster (K-900)	Kimia Namazian	ccs 8/5	ccs 8/5	8/24 Kimia		ok 9/7	8/24 Kimia		COMPLETE

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Area / Plant / #:	Process Engineer Assigned	RMP/PSM Review	First Review	Engr to Nurses	Nurses?	RMP ok done	Engr initial	Sr Engr or SME sign-off	Comment / Status
Penhex Isom	Mandy Smart	ccs 8/5	ccs 8/5	8/17 Mandy		8/18 ok	8/17 Mandy	8/17 Tifanie	COMPLETE
Caustic Scrubber									scrubber is included with Penhex-Isom
Naphtha Splitter									splitter included with Penhex-Isom
Reformate Splitter	Kimia Namazian			8/24 Kimia		ok 9/7	8/24 Kimia		with 5 NHT
LSFO-Utilities									with K-900

Hydro - North Isomax
SME for review

Frank Garza
Ken Wohlgeschaffen

Process description update received 8/19

CWT Isomax/RLOP									not a covered process
TKN/Iso	Frank Garza	ccs 8/4	ccs 8/4	8/16 Frank	-	ok 8/16	8/16 Frank	8/19 Ken	COMPLETE
TKC	March: Ande Morin Now: Kelsea Wilks	ccs 8/4	ccs 8/4	8/16 Kelsea	yes 8/16	ok 8/16	8/16 Kelsea	8/19 Ken	COMPLETE

Hydro - South Isomax
SME for review

Frank Garza
Brian Stefanick / Charles Odumah

Process description update received 8/19; added H2 Trains 9/26

H2 Booster Comp	Matthew Farrell			8/12 Matt	yes 8/12	ok 8/12	8/12 Matt		COMPLETE
H2 Mfgr	Matthew Farrell	ccs 8/4	ccs 8/4	8/10 Matt	-	ok 8/16	8/12 Matt	8/19 Ken	COMPLETE; aded NH3 9/12
H2 Recovery (20 Plant)	Matthew Farrell	ccs 8/4	ccs 8/4	8/10 Matt	-	ok 8/16	8/17 Matt	8/19 Ken	COMPLETE
#4 H2S SGP (10 Plant)	Matthew Farrell	ccs 8/4	ccs 8/4	8/10 Matt	-	ok 8/15	8/17 Matt	8/19 Ken	COMPLETE
FGR									not covered - below threshold.
SDA	Matthew Farrell	ccs 8/4	ccs 8/4	8/10 Matt	-	ok 8/15	8/17 Matt	8/19 Ken	COMPLETE
8 Plant	Matt Farrel (partial) Ryan McQuiston	ccs 8/4	ccs 8/4	8/10 Matt (partial) 8/16 Ryan	yes 8/16	ok 8/16	8/17 Matt 8/18 Ryan	8/19 Ken	COMPLETE
Propane Treating									included with 8 Plant

Hydro - RLOP
SME for review

Megan Bleckinger
Brian Stefanick / Charles Odumah

All sent via e-mail from Megan 8/25

Process description update received 8/19; added Hydro Flares 9/26

PH/NH3/H2S, 18 Plant	Ryan McQuiston	ccs 8/3	ccs 8/3	8/25 Ryan	yes 9/7	ok 9/8	8/25 Ryan		COMPLETE
GRU, 19 Plant	Mar: Megan Bleckinger Now: Anjana Tayi	ccs 8/3	ccs 8/3	8/16 Anjana		ok 9/8		9/8 Megan	COMPLETE
HNHF, 16 Plant	John Young	ccs 8/3	ccs 8/3	8/16 John		ok 9/8		9/8 Megan	COMPLETE
LNHF, 13/17 Plant	Taryn Erle	ccs 8/3	ccs 8/3	8/15 Taryn		ok 9/8		9/8 Megan	COMPLETE
HNC/HND, 14/15 Plant	John Young	ccs 8/3	ccs 8/3	8/18 John		ok 9/8		9/8 Megan	COMPLETE
LNC/LND, 11/12 Plant	Taryn Erle	ccs 8/3	ccs 8/3	8/15 Taryn		ok 9/8		9/8 Megan	COMPLETE
Hydro Flares	Megan Bleckinger	ccs 8/3	ccs 8/3	9/14 Taryn		ok 9/14		9/8 Megan	COMPLETE; added NH3 9/14

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