 Environmental Management System	File: FRM 2.1 - DPS Phase 3 Weekly Checklist (HFO, DO, Sludge, LO, SBS, Residual) for Areas 9, 10 and 11_r0_2014-06-17	
	Related SOPs: SOP DPS 10, 17, 23, 28	Page 2 of 5

FRM 2.1: DPS Phase 3 Weekly Checklist (HFO, DO, Sludge, LO, SBS, Residual) for Areas 9, 10 and 11 (page 1 of 4)

Plant		Section	Condition	Comments
Phase 3 Tank Area	Urea	Urea header from urea supply pump and return line		
		Urea mixing header from urea mixing tank 1 to urea solution tank 1		
		Urea mixing header from urea mixing tank 2 to urea solution tank 2		
		Urea Dissolving tank 1 mixing pump pipe work		
		Urea Dissolving tank 2 mixing pump pipe work		
		Urea Mixing tanks boundary walls		
	LO	LO Header from LO Storage tank to Des		
		LO header from Separators to maintenance tanks		
	Sludge	Sludge line from credfeld pumps to phase 1 pumps		
		Sludge line from Separators to Sludge tanks 1 and 2		
		Sludge lines from DE pits to Sludge tank		
	HFO	HFO header from HFO supply pumps to DEs		
		HFO header from HFO transfer pump to Buffer tank		
		HFO pipe work from Separators line to Service tank		
		HFO pipe work return from Separators to Buffer tank		
		HFO pipe work from Service tank to HFO Supply pumps		



Environmental Management
System


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FRM 2.1: DPS Phase 3 Weekly Checklist (HFO, DO, Sludge, LO, SBS, Residual) for Areas 9, 10 and 11 (page 2 of 4)

Plant		Section	Condition	Comments
Phase 3 Tank Area	DO	DO header from DO transfer pump to DO Storage tank		
		DO Storage tank to DO Supply pumps		
		DO header from DO supply pumps to Diesel engines		
	HFO / DO / Sludge / LO / Urea	HFO / DO / Sludge / LO tanks boundary walls		
		HFO / DO / Sludge / LO / Urea Headers to phase 3 plant		
	Terex DO	Terex DO Tanks trays / boundary walls		
Phase 3 area		HFO / DO / Sludge / LO headers to Diesel engines		
		HFO / DO / LO / sludge Pipe work check inside each DE x8		
		Urea header to SCRs		
Phase 3 pump house		DO supply pumps tray		
		HFO supply pumps tray		
		Sludge pumps tray		
		Lube oil transfer pumps tray		
		Maintenance lube oil pumps tray		
		HFO heater tray		
		Oily water separator		
		HFO separator trays X6		

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FRM 2.1: DPS Phase 3 Weekly Checklist (HFO, DO, Sludge, LO, SBS, Residual) for Areas 9, 10 and 11 (page 3 of 4)

Plant	Section	Condition	Comments
Phase 1 pump house	HFO transfer pumps tray		
	DO transfer pumps tray		
Interceptors	FOT Area		
	FWGs Area		
Exhaust gas boilers	NaOH Dosing pipe work from dosing tanks to HP & LP drums		
	Trisodium phosphate (TSP) tray		
	Caustic soda solution tray		
Dearator	NH ₄ OH dosing pipe work from dosing vessels to dearator		
	Ammonia Tray		
Steam turbine Floor	Lube oil separator tray		
	Oil coolers / auxiliary oil pumps trays		
Fresh water generators	Antiscalant pipe work check from vessel to FWG		
	De-chlorinization pipe work check from dosing vessel to FWG		
	pH adjustment from dosing vessel to FWG		
	Hot water loop dosing tank pipe work check		
	DEs CW dosing tank x8 pipe work check		
	Dechlorination (Metabisulphite) tray		
	Caustic soda solution tray (sodium hydroxide)		

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	Related SOPs: SOP DPS 10, 17, 23, 28	Page 5 of 5

FRM 2.1: DPS Phase 3 Weekly Checklist (HFO, DO, Sludge, LO, SBS, Residual) for Areas 9, 10 and 11 (page 4 of 4)

Plant	Section	Condition	Comments
SBC dosing	Mill room 1 pipe work leak check		
	Mill room 2 pipe work leak check		
	Pipework from Mill 1 to reactor		
	Pipework from Mill 2 to T		
	Pipework from Mill 3 to reactor		
	Pipework from Mill 4 to reactor		
	Pipework from Mill 5 to T		
	Pipework from Mill 6 to reactor		
Residual transport system	Pipework from Residual transport vessel 1 to Waste Silo		
	Pipework from Residual transport vessel 2 to Waste Silo		
	Pipework from Residual transport vessel 3 to Waste Silo		
	Pipework from Residual transport vessel 4 to Waste Silo		
Exhaust gas boiler chemical wash container	Effluent tanks 1 & 2 evaporation baths		
	Caustic soda tray		
	Ferric chloride tray		
	Trisodium salt (TSP) tray		
	Polymar solution (Flocculants) tray		

Person in Charge: _____ Date inspected: _____