

Number of cases: 1

Quality management - Nonconformity		2	
Case no.	7597		
Unit in charge	Brazil - Vessel - Polvo		
Person in charge			
Status	Processing		
Internal deadline	27/05/2019		
Where and What			
Date	27/03/2019 07:36		
Location	Brazil - Vessel - Polvo		
Title	Sewage samples out of specification		
Case description	Sewage samples analyzes report received with results out of specification.		
How revealed	Observation		
Major non-conformity	No		
Case categorisation	Other releases to the Environment		
Responsible unit	Brazil - Vessel - Polvo		
Contact person	ProdSupIn POL		
Proposed action	See actions		
General classifications			
Requirements	Instructions		
Requirements description			
System involved	50 - 69 Utility Systems - 66 Sewage treatment		
System description			
Equipment involved	Other		
Equipment description / Manufacturer	Sewage treatment plant		
Consequences			
Comments			
Consequence/Actual severity	Consequence type	Consequence severity	Loss (USD) Gain (USD)
		Estimated financial loss/gain	0 0
Loss potential			
Most probable recurrence frequency			
Loss potential	Possible further consequence	Possible further severity	
Causes			
Cause description			
Causes	Category	Causes	Comments
Actions			
Action 1			
Type	Preventive		
Deadline	09/04/2019		
Completed			

Responsible unit	Brazil - Vessel - Polvo
Action description	1) CHLORINE CONTROL
Comments	1 - Adjust chlorine dosage to keep residual between 3-5 ppm on last sewage chamber. 2 - Adjust dosing pump of SODIUM HYPOCHLORITE 12% and test / report the chlorine level every 48 h using the test kit called " CHLORINE AMPOULE TEST KIT – PCN 0364018 ". 3 - Install a dosing pump (16 bar / 01 liter per hour – CONCEPT PLUS – PCN PR00149) and tank (60 L – PCN 0123457) set, available on DREW product line, to inject Sodium Hypochlorite on gray water sewage tank as system is available for only black water sewage tank.
Status	Proposal
Person responsible for action	ProdSupIn POL
Action 2	
Type	Preventive
Deadline	31/05/2019
Completed	
Responsible unit	Brazil - Vessel - Polvo
Action description	2) SEWAGE TANK CLEANING
Comments	Perform chemical cleaning procedure and evaluate if is required any mechanical cleaning.
Status	Proposal
Person responsible for action	ProdSupIn POL
Action 3	
Type	Preventive
Deadline	30/04/2019
Completed	
Responsible unit	Brazil - Vessel - Polvo
Action description	3) Review along with Camp Boss the use of cleaning chemicals onboard FPSO
Comments	Raise a procedure to make sure the use of ENVIROCARE VTC 4000 for daily toilet cleanings and, if necessary, any other additional chemical, prioritize the use of neutral pH chemicals and avoid the use of harsh ones (Alkaline, acids etc).
Status	Proposal
Person responsible for action	ProdSupIn POL
Action 4	
Type	Preventive
Deadline	30/04/2019
Completed	
Responsible unit	Brazil - Vessel - Polvo
Action description	4) Review the recommended minimum and maximum levels as per Sewage Treatment plant Manual .
Comments	4) Check on sewage tank manual if there's any recommendation to discharge the sludge on second chamber. Review the recommended minimum and maximum levels.
Status	Proposal
Person responsible for action	ProdSupIn POL

Attached documents

Attached documents	Title	Document name/URL/Address/Link
Evidence 1		Laudos efluentes sanitarios - FPSO 2018.zip
Evidence 2		RE Campanhas Efluentes Sanitários Análises Água de Produção (SUGGESTED ACTION PLAN).msg

Comments

Comments	No.	Date/time	Name	Comment

Case processing

Case processing	No.	Type	Carried out by	Date carried out	Date carried out (local time)	Forwarded to

4	Case mailed	ProdSupIn POL	28/03/2019 23:34	28/03/2019 19:34 --3:00	
3	Forwarded	ProdSupIn POL	28/03/2019 23:34	28/03/2019 19:34 --3:00	Brazil - Vessel - Polvo
2	Processing started	ProdSupIn POL	28/03/2019 23:34	28/03/2019 19:34 --3:00	
1	Registered	ProdSupIn POL	28/03/2019 23:34	28/03/2019 19:34 --3:00	