

Protherics UK Ltd
Blaenwaun,
Ffostrasol,
Llandysul
SA44 5JT

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14th September 2017

FAO: Dylan Reynolds

Reference: Closure Device Inspection at Protherics UK, Llandysul

Dear Dylan,

Please find enclosed the environmental audit report for the closure device located at the Protherics UK site in SA44 5JT. Below is a summary of findings:

Closure Device 1 (Main Yard Discharge point)

The closure device appears to be in acceptable condition with no damage or corrosion noted to the system cabinet. The system was activated and found to be functioning correctly, with no air losses noted. Each call point was found to be functioning correctly; activating the closure device when tested.

The high oil alarm failed to activate the closure device and requires a new oil probe to return the system to full working condition.

Recommended Remedial Actions:

- Replace the probe on the high oil alarm.
- Continue inspecting the closure device on an annual basis.

I trust this information meets your requirements at this time. If there is anything else you require or wish to discuss in further detail, please do not hesitate to contact us.

Kind regards,



Rhodri Morgan B.Sc (Hons).
Environmental Consultant
Tel.: +44 (0) 1656 741 799



Natural Solutions Annual Inspection						
Date of Assessment:		14.09.2017		Assessor:	Rhodri Morgan	PO:
Closure Device Initial Assessment						
Client Details	Company:	Protherics UK Ltd.		Address :	Blaenwaun, Ffostrasol, Llandysul SA44 5JT	
	Site:	Llandysul				
Site Description						
Brief Description of site activities			Pharmaceutical Manufacturing Facility			
Total area of site:					6 acres	
Total number of closure devices on site:					1	
Average number of vehicles stored on site at any one time:					200 (estimate)	
Closure Device Details						
Closure device Number:		1	of	1	MH ref if applicable	N/A
Brief description of closure device location:		Main Yard Discharge point				
Description of closure device		Mains Powered, Wall Mounted				
Check	Audit result	Risk*	Comments / Corrective Actions			
General						
Check system cabinet and any other system items are securely mounted.	Pass	Low	System in good condition. No damage noted. Cabinet cleaned.			
Open system cabinet and record internal condition. Clean as necessary	Pass	Low	System in good condition. No internal damage or water ingress noted.			
Record Battery Voltage. Change if required.	13.2 V	Low	Battery deemed to be in good condition.			
Check wiring for loose connections and damage.	Pass	Low	No loose conections or damage noted to any of the wiring.			
Functional Check						
Press "Close" button. Compressor should start and the valve should close	Pass	Low				
Check pressure gauge reading for air leaks - should indicate 6-8 bar and remain steady. Correct problems found.	7 Bar	Low	No leaks noted.			
Beacon should flash (if fitted)	Pass	Low	Beacon activates correctly.			
Inspect chamber to ensure valve is closed and over locked	Pass	Low	Valve closes and locks correctly.			
Press "Open" button. Compressor should start and open the valve	Pass	Low	Valve opens correctly.			
Valve Condition						
Inspect valve plate and face seal for wear / damage	Pass	Low	Valve plate and seal in an acceptable condition.			
Inspect hinge assembly for wear / ease of movement	Pass	Low	Hinges in an acceptable condition			
Clear valve and gully of debris and silt	Pass	Low	Debris removed from gully.			
Replace Gasket material should this be appropriate	Pass	Low	Seal in an acceptable condition.			
Check All air hoses for any leaks	Pass	Low	No leaks noted. Pressure holds at 7 bar.			

High Oil Alarm

Activate high oil alarm and check function	Fail	High	High oil alarm fails to activate. New probe required.
Remove oil probe from chamber to check function	Fail	High	
Check flapstopper for activation	Fail	High	

Remote Control Points

Call Point 1	Pass	Low	Each call point was found to be functioning correctly.
Call Point 2	Pass	Low	
Call Point 3	Pass	Low	

Photogrpahs



Upstream chamber containing high oil probe and sump pump



Location of closure device

Low - No pollutant linkage	Medium - Possible pollutant linkage	High - Probable pollution linkage
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