

Vendor:



PJPC logo to be added

Project:

CONCEPTUAL, BASIC AND DETAIL DESIGN
ENGINEERING OF STYRENE PARK OFFSITE

Document Title:

Inspection and Test Plan for Active Carbon Package & Filter
Package

Document No.: HSE-PTP-20122023

Date: 07-Feb.- 2024

Rev.: 01

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Owner/Contractor:



HRCO reply: Noted

Inspection and Test Plan for Active Carbon Package & Filter Package

01	Issued for Tender	F.A	M. SH.	M. SH.	07-Feb.-2024
00	Issued for Tender	F.A	M. SH.	M. SH.	10-Dec.-2023
Rev.	Description	Prepared By	Checked By	Approved By	Date







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1. Scope

The principal rule of inspection is provision of an independent check or verification to see if the package supplying complies with Drawings, Specifications and Standards.

2. Abbreviations

ITP: Inspection and Test Plan

TPA: Third Part Agency

PIM: Pre-Inspection Meeting

IRN: Inspection Release Note

MOM: Minutes of Meeting

MTC: Material Test Certificate

HOLD (H): Hold points are defined in this ITP for which inspection or examination shall not proceed unless the designate parties have witnessed the inspection or examination or test.

TPA shall sign and stamp as specified clearly by term A inspection activity at least

Witness Point (WP): With which inspection or exam

Work shall proceed throu established activity.

Review (RD): Review Documentation is a point in which inspection result shall be reviewed, but presence of involved party at inspection time is not mandatory, Documentation will be reviewed/approved by Project Engineering team or Inspector.

Random Inspection (RI)

The inspection of the designated feature will take place during inspection visits as a standard performance.


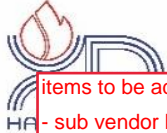


Vendor/manufacturer does not have to notify Project quality coordinator prior to performing the designated feature. Activities may proceed without witnessing or waiving by Project quality coordinator

3. QC Plan

project approved definition to be replaced

HRCO reply: Noted

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items to be added:
 - sub vendor list
 technical document and test procedure





HRCO reply: Noted

ROW	Activities	Reference Documents	Acceptance Criteria	verifying Document	ACTION			Remarks
					Vendor	Contractor	TPA/Owner	
A. PIM								HRCO reply: Noted
A.1	Pre-Inspection Meeting	Project Specifications	Project Specifications	MOM	H	H	RD	H
1. Filters		and PO and relevant standards	HRCO reply: Noted	and approved ITP	HRCO reply: Noted			
1.1	Material Inspection	Datasheet/DWG and relevant standards	Datasheet/DWG	Material Cert./ Lab report	H	H	RD W	R Note 1
1.2	Visual And Dimensional Check	Approved Drawing	HRCO reply: Noted	Inspection Report	H	WP	WP	R
1.3	NDT	NDT Man and procedure	HRCO reply: Noted	NDT Report	H	H	W	W
1.4	Hydro Test	Hydrotest Procedure	Project Specification	Inspection Report	H	H	H	W
1.5	Painting and Coating Inspection	Paint Procedure	Project Specification	Inspection Report	H	WP	WP	R
1.6	Removable Internals Visual inspection	Approved Drawing	Approved Drawing	Inspection Report	H	W	W	R
2. Piping								
2.1	Material Inspection	Datasheet/DWG and relevant standards	Datasheet/DWG	Material Cert./ Lab report	H	H	W	Note 1
2.2	Dimensional Check And Visual Inspection	Approved Drawing	HRCO reply: Noted	Inspection Report	H	WP	WP	

HRCO Reply: due to limited package material and project time schedule, its impossible to hold and witness all step of inspection.

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2.3	NDT	NDT Man and procedure HRCO reply: Noted	NDT Procedure HRCO reply: Noted	NDT Report	H	<div style="border: 1px solid red; width: 20px; height: 20px; display: flex; align-items: center; justify-content: center;">H</div>	<div style="border: 1px solid red; width: 20px; height: 20px; display: flex; align-items: center; justify-content: center;">W</div>		
2.4	Hydrostatic Test	Approved Procedure	Approved Procedure	Inspection Report	H	<div style="border: 1px solid red; width: 20px; height: 20px; display: flex; align-items: center; justify-content: center;">H</div>	<div style="border: 1px solid red; width: 20px; height: 20px; display: flex; align-items: center; justify-content: center;">H</div>	<div style="border: 1px solid red; width: 20px; height: 20px; display: flex; align-items: center; justify-content: center;">W</div>	
2.5	Painting and Coating Inspection	Paint Procedure	Project Specification	Inspection Report	H	<div style="background-color: yellow; border: 1px solid black; width: 20px; height: 20px; display: flex; align-items: center; justify-content: center;">WP</div>	<div style="background-color: yellow; border: 1px solid black; width: 20px; height: 20px; display: flex; align-items: center; justify-content: center;">WP</div>		
3. Instruments									
3.1	Visual And Dimensional Check	Data Sheet and DWG HRCO reply: Noted	Project Spec	Inspection Report	H	<div style="border: 1px solid red; width: 20px; height: 20px; display: flex; align-items: center; justify-content: center;">H</div>	<div style="border: 1px solid red; width: 20px; height: 20px; display: flex; align-items: center; justify-content: center;">WP</div>		
3.2	Calibration Check	HRCO reply: Noted	Project Spec	Certificate	<div style="border: 1px solid red; width: 20px; height: 20px; display: flex; align-items: center; justify-content: center;">H</div>	<div style="border: 1px solid red; width: 20px; height: 20px; display: flex; align-items: center; justify-content: center;">RA</div>	<div style="border: 1px solid red; width: 20px; height: 20px; display: flex; align-items: center; justify-content: center;">RA</div>	<div style="border: 1px solid red; width: 20px; height: 20px; display: flex; align-items: center; justify-content: center;">RA</div>	
3.3	Ingress Protection (If any)	Data Sheet	Project Spec	Certificate					
3.4	EX Certificate (If any)	Data Sheet	Project Spec	Certificate					
3.5	Valve hydrostatic test	API 598	Project Spec	Certificate					
4. Electrical (Panels, Cable and Cable tray, Gland, JB)									
4.1	Visual And Dimensional Check	Data Sheet/DWG	Project Spec	Inspection Report	H	<div style="border: 1px solid red; width: 20px; height: 20px; display: flex; align-items: center; justify-content: center;">WP</div>	<div style="border: 1px solid red; width: 20px; height: 20px; display: flex; align-items: center; justify-content: center;">WP</div>		
4.2	Wiring check (If any)	Data Sheet/DWG	Project Spec	Inspection Report	H	<div style="border: 1px solid red; width: 20px; height: 20px; display: flex; align-items: center; justify-content: center;">WP</div>	<div style="border: 1px solid red; width: 20px; height: 20px; display: flex; align-items: center; justify-content: center;">WP</div>		

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4.3	Ingress Protection (If any)	Data Sheet	Project Spec	Certificate	H	RA	RA	
4.4	EX Certificate (If any)	Data Sheet	Project Spec	Certificate				
5. Spare part								
5.1	Spare part visual, dimensional, certific	Spare Part list	Project Spec	Packing List	H	H	H	
6. Skid								
6.1	Dimensional Check And Visual Inspection	Approved Drawing	Approved Drawing	Inspection Report	H	WP	WP	
6.2	NDT (PT)	NDT Map and procedure	NDT Map for filters will be issued, for fillet welds in skid 10% PT will be performed and test report will be issued for review		H	H	W	
6.3	Painting inspection	Painting procedure			H	WP	WP	
7. Final inspection								
7.1	Name Plate check	Data Sheet/DWG	Data Sheet/DWG	Inspection Report	H	H	H	
7.2	Final Inspection & packing	Packing Procedure	Project Specification	PL	H	H	H	Note 2
7.3	Release Note	PO and ITP	HRCO reply: Noted		H	RD	H	HRCO reply: Noted
7.4	Final Data Book	project final book procedure	HRCO reply: Noted		H	RA	RA	

Note 1: Original/rue cop of EN 10204 3.1 certificate o be issued **HRCO Reply:** if the original/true copy certificate isn't available, lab test report will be issued
 Note 2: Main and spare items to be packed separately and separate packing lists to be issued for each one **HRCO Reply:** Noted