



**CONCEPTUAL, BASIC and DETAIL DESIGN
ENGINEERING OF STYRENE PARK OFFSITE**

Document Title: Inspection and test plan for Active Carbon Package & Filter Package



Document No.: EI0127-HRC-VD-QC-ITP-001

Rev. R0

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STYRENE PARK OFFSITE

Document Title
INSPECTION AND TEST PLAN
FOR
Active Carbon Package & Filter Package

R0	2024/24/02	Issued For Approval	F.Akhundi	E.Malek	H.Keshmiri
Rev.	Issued Date	DESCRIPTION	PREPARED	CHECKED	APPROVED



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REVISION RECORD SHEET

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1. General

1.1 Introduction

This document covers Inspection & Test Plan for Active Carbon Package & Filter Package

1.2 Definitions

The following terms and abbreviations are used in the present document

Item	Correspondences
Project	STYRENE PARK OFFSITE
Client	Pad Jam Polymer Development Company
Purchaser	Petro electric Energy Development Company
Consultant	Gohar Ofogh
Vendor	Ener Teknoloji / Hamoon Rah

2. Abbreviations

H: Vendor shall not carry out:

- Any fabrication and/ or repair work and any shipment without having inspector's confirmation/comments
- Any controls and test without inspector attendance

Inspector attendance is mandatory. Vendor must notify contractor by E-mail as per defined communication line at least 4 Days before the test date for domestic manufacturers and 7 days for overseas. No deviation is allowed from the above-mentioned issues unless specially approved by Client/Contractor in writing.

W: Vendor must notify contractor of the dedicated inspection activity at least 4 Days before the test date for domestic manufacturers and 7 days for overseas. Inspector's attendance is not mandatory.

SW: At least inspection of 15% of each subjected item shall be done under the supervision of involved inspectors. Relevant inspection notification shall be submitted at the beginning of related activities and in case of any failure, at the first case, inspector's supervision increases to 30% of goods and by the second failure, whole activity shall be witnessed by inspectors.

R: Review Documentation is a point in which inspection result shall be reviewed, but presence of involved party at inspection time is not mandatory

RA: Includes reviewing of all related reports/certificates which vendor shall provide at each step and vendor shall not proceed his fabrication/test unless receiving inspector's approval.



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ROW	Activities	Reference Documents	Acceptance Criteria	verifying Document	ACTION				Remarks
					Vendor	Purchaser	TPA	PJPC	
A. PIM									
A.1	Pre-Inspection Meeting	Project Specifications and PO and relevant standards	Project Specifications	MOM and approved ITP	H	H	R	H	
B. Document Review									
B.1	Sub Vendor List	Project Specifications	Project Specifications	EI0127-HRC-VD-GE-LST-002	H	RA	R	R	
B.2	Welding Procedure Specification & Qualification Records	Project Specifications	Project Specifications	EI0127-HRC-VD-QC-PRO-002	H	RA	R	R	
B.3	Test Procedures	Project Specifications	Project Specifications	EI0127-HRC-VD-QC-PRO-004	H	RA	R	R	
B.4	Preservation, Packaging, And Shipping Procedure	Project Specifications	Project Specifications	EI0127-HRC-VD-QC-PRO-003	H	RA	R	R	
1. Filters									
1.1	Material Inspection	Datasheet/DWG and relevant standards	Datasheet/DWG	Material Cert./ Lab report	H	R	R	R	Note 1
1.2	Visual And Dimensional Check	Approved Drawing	Approved Drawing	Inspection Report	H	RA	W	R	
1.3	NDT	NDT Map and procedure	NDT Procedure	NDT Report	H	RA	RA	RA	
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	RA	SW	R	



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1.6	Removable Internals Visual inspection	Approved Drawing	Approved Drawing	Inspection Report	H	R	R	R	
2. Piping									
2.1	Material Inspection	Datasheet/DWG and relevant standards	Datasheet/DWG	Material Cert./ Lab report	H	R	R	R	Note 1
2.2	Dimensional Check And Visual Inspection	Approved Drawing	Approved Drawing	Inspection Report	H	RA	W	R	
2.3	NDT	NDT Map and procedure	NDT Procedure	NDT Report	H	RA	RA	RA	
2.4	Hydrostatic Test	Approved Procedure	Approved Procedure	Inspection Report	H	H	H	W	
2.5	Painting and Coating Inspection	Paint Procedure	Project Specification	Inspection Report	H	RA	SW	R	
2.6	Valve hydrostatic test	API 598	Project Spec	Certificate	H	R	R	R	
3. Instruments									
3.1	Visual And Dimensional Check	Data Sheet/DWG	Project Spec	Inspection Report	H	R	W	R	
3.2	Calibration Check	Data Sheet	Project Spec	Certificate	H	RA	RA	RA	
3.3	Ingress Protection (If any)	Data Sheet	Project Spec	Certificate	H	RA	RA	RA	
3.4	EX Certificate (If any)	Data Sheet	Project Spec	Certificate	H	RA	RA	RA	



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4. Instrument bulk and JB									
4.1	Visual And Dimensional Check	Data Sheet/DWG	Project Spec	Inspection Report	H	R	R	R	
5. Spare part									
5.1	Visual and quantity check	Spare Part list	Project Spec	Packing List	H	RA	H	R	
6. Active carbon media									
6.1	visual check	Data sheet	Data sheet	Packing List	H	RA	RA	R	
7. Skid									
7.1	Dimensional Check And Visual Inspection	Approved Drawing	Approved Drawing	Inspection Report	H	R	R	R	
7.2	NDT (PT)	NDT Procedure	NDT Procedure	NDT Report	H	R	R	R	
7.3	Painting inspection	Painting procedure	Painting procedure	Inspection Report	H	R	SW	R	
8. Final inspection									
8.1	Name Plate check	Data Sheet/DWG	Data Sheet/DWG	Inspection Report	H	R	H	R	
8.2	Final Inspection & packing	Packing Procedure	Project Specification	PL	H	H	H	R	Note 2

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8.3	Release Note	PO and ITP	---	IRN	R	R	H	R	
8.4	Final Data Book	Project final book procedure	Project Specification	FDB	H	RA	RA	R	

Note 1: Original or true copy of EN 10204 3.1 certificate to be issued (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.