



ENGINEERING SPECIFICATIONS SPECIFICATION DEVIATION REQUEST FORM

DS-GS-01-FM-02

Rev. 1

Company/Department:	Spectrum Process Systems	Deviation Request No: (For SE&P Technical Services use only)	DR-
Project Name:	02-20 Raven Creek Compressor Station	Project Deviation Request No:	
Location:	Edson Area, Alberta, LSD: 02-20-050-18 W5M	Project No: SPS-14-05110 / 4178HUS	
Subject:	Skid NDT requirements	Specification / Rev No:	
		Date Requested (yyyy/mm/dd):	2015/01/14

SECTION A: Excerpt(s) Taken From the Engineering Specification**PS-VT-01 Pressure Vessels Rev 3**

5.16 All nozzles shall use weld neck flanges and seamless nozzle necks, unless otherwise specified on the data sheet.
All nozzles that are connected to external piping shall be a minimum of NPS 2.

SECTION B: Description of Deviation(s)

On the Contactor Heat Exchanger Coil the shop has installed 1" 900ANSI nozzles (basically the 1" XXH coil through the vessel wall) with a 2"900ANSI RF reducing flange on the Contactor Coil.

Conflict between P&ID (F-14-05110-01-001 Rev 1) and Contactor Vessel Drawing (V-14-05110-31-001R2)

Steps Taken for Correction

This vessel and connected piping has been completed and has passed hydro testing.

Design Calculation was completed for the 1" coil pipe with Nozzle Loads and U.T. CAT D welds.

SECTION C: Impacts and Justification

Design Impacts ☒ No ☐ Yes If yes, describe below (List affected documents, if any):

Health, Safety & Environment Impacts: ☒ No ☐ Yes If yes, describe below:

Reliability/Operational Performance Impacts: ☒ No ☐ Yes If yes, describe below:

Maintenance Impacts: ☒ No ☐ Yes If yes, describe below:

Cost Impacts: ☒ No ☐ Yes If yes, describe below:

Justification:

The tower was completely fabricated and ready for shipment when this issue was identified. Spectrum ran the mechanical and NDT checks as requested by Husky (identified in Section B above) to ensure design integrity.

Requested By:
(Name & Company) Joe Laing / Spectrum Process Systems

Signature:

Husky Project

Signature:

Lead:

