



Waste Treatment Plant Project

Supplier Quality Performance Trending

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Bechtel National, Inc.

URS



Supplier Performance Trending

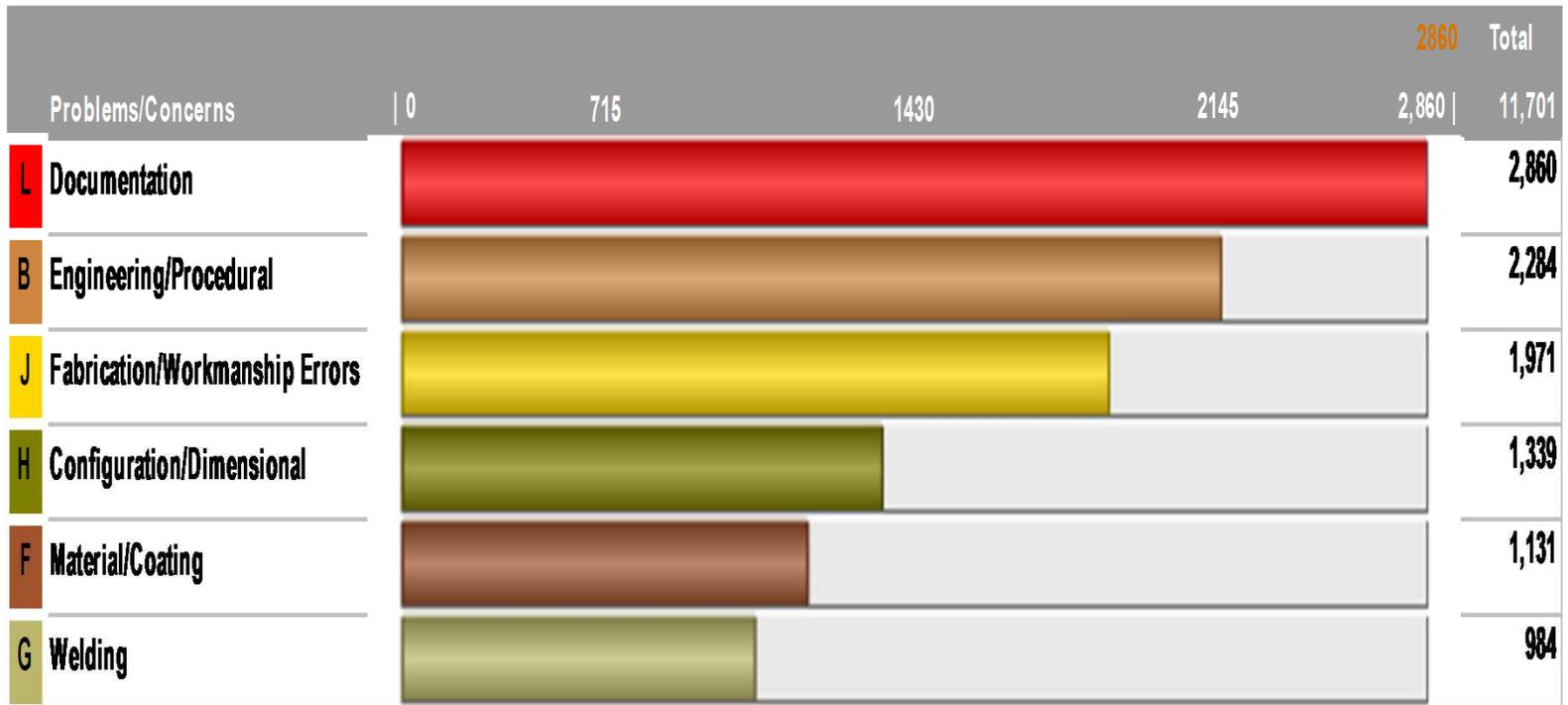
- Supplier performance affects our project mission and goals. We measure that performance in multiple areas. These areas include schedule performance, technical performance and quality performance for each purchase order
- The Supplier Quality & Expediting Application Suite (SQEAS) is the Bechtel system for managing supplier quality and area expediting shop visits and tracking the manufacturing quality and progress of a supplier. Through shop surveillances and expediting reports, supplier performance data (SPD) is captured and systematically codified



Supplier Performance Trending

Top Six (6) WTP Historical SQR Surveillance SPD Codes on all Commodities

Report Period (inception to date)

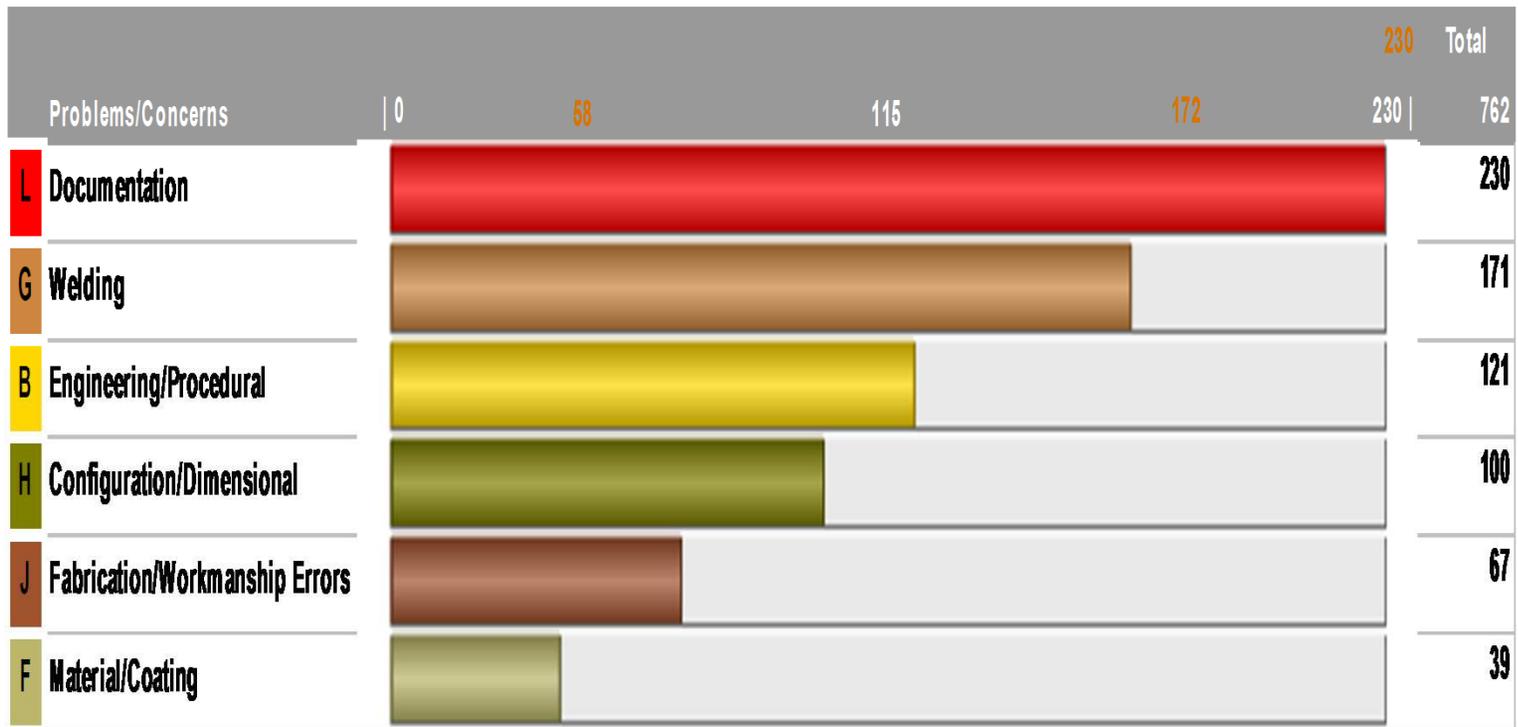




Supplier Performance Trending

Top Six (6) WTP Historical SQR Surveillance SPD Codes for Pressure Vessels

Report Period (inception to date)





Supplier Performance Trending

WTP Historical SQR Surveillance SPD Codes for Pressure Vessels
Welding Problems Detail G

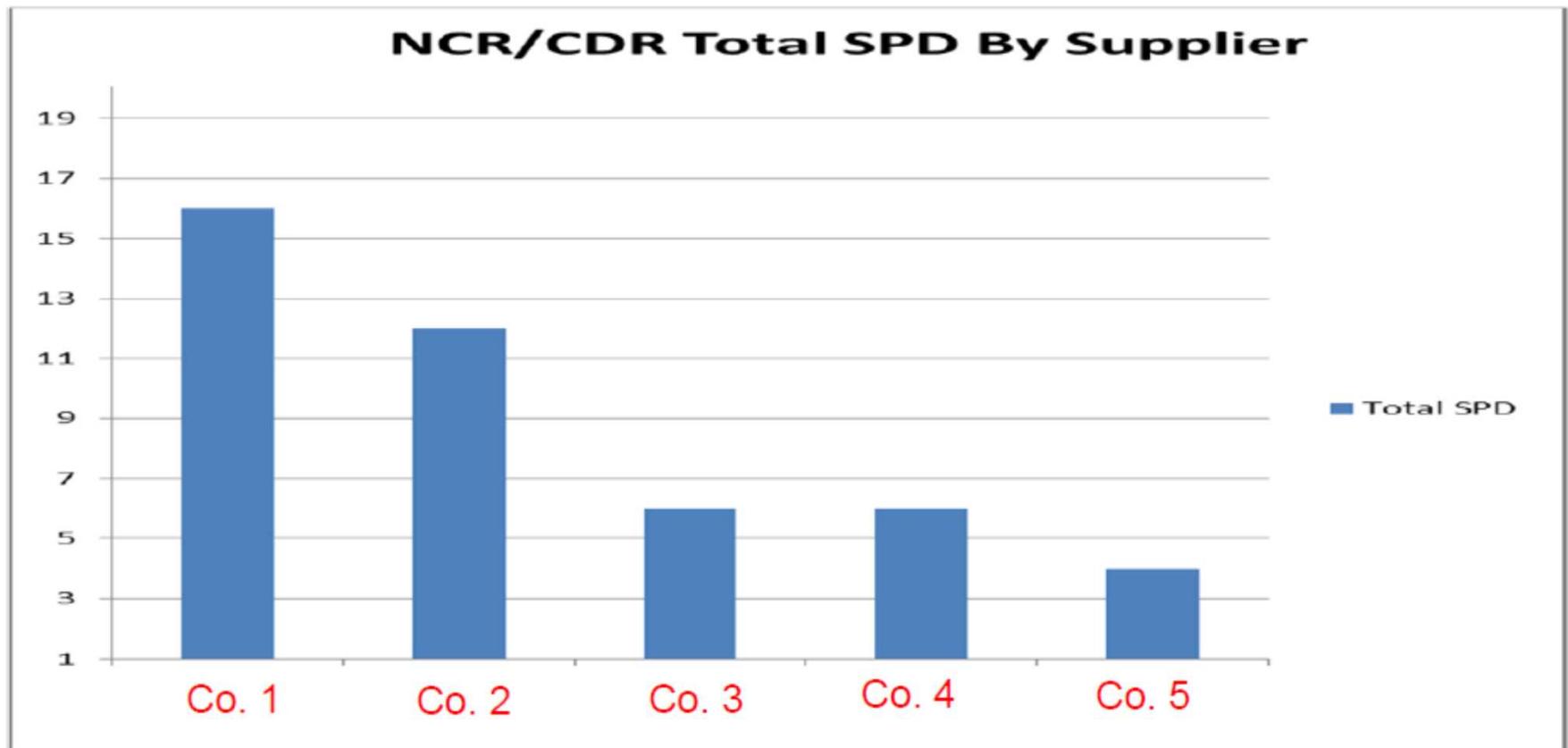
Report Period (inception to date)

Cat.	Description and Detail	Count
G	Welding Problems	171
G11	Linear Defects (i.e. Cracks, Laps, etc.)	36
G13	Unsatisfactory Profile	30
G10	Weld Cleaning (Slag, Spatter, etc.)	29
G14	Missing/Incomplete/Undersized Welds	28
G12	Nonlinear Defects (i.e. Porosity, Lack of Fusion, etc.)	22
G15	Incorrect Alignment/Fit-up/Bevel	12
G17	Incorrect Consumables Utilized (i.e. Filler Metal, Gas, etc.)	6
G16	WPS/PQR/WQR Not Properly Qualified	4
G21	Environmental Conditions Unsatisfactory for Welding	3
G19	Incorrect Post Weld Heat Treatment	1



Supplier Performance Trending

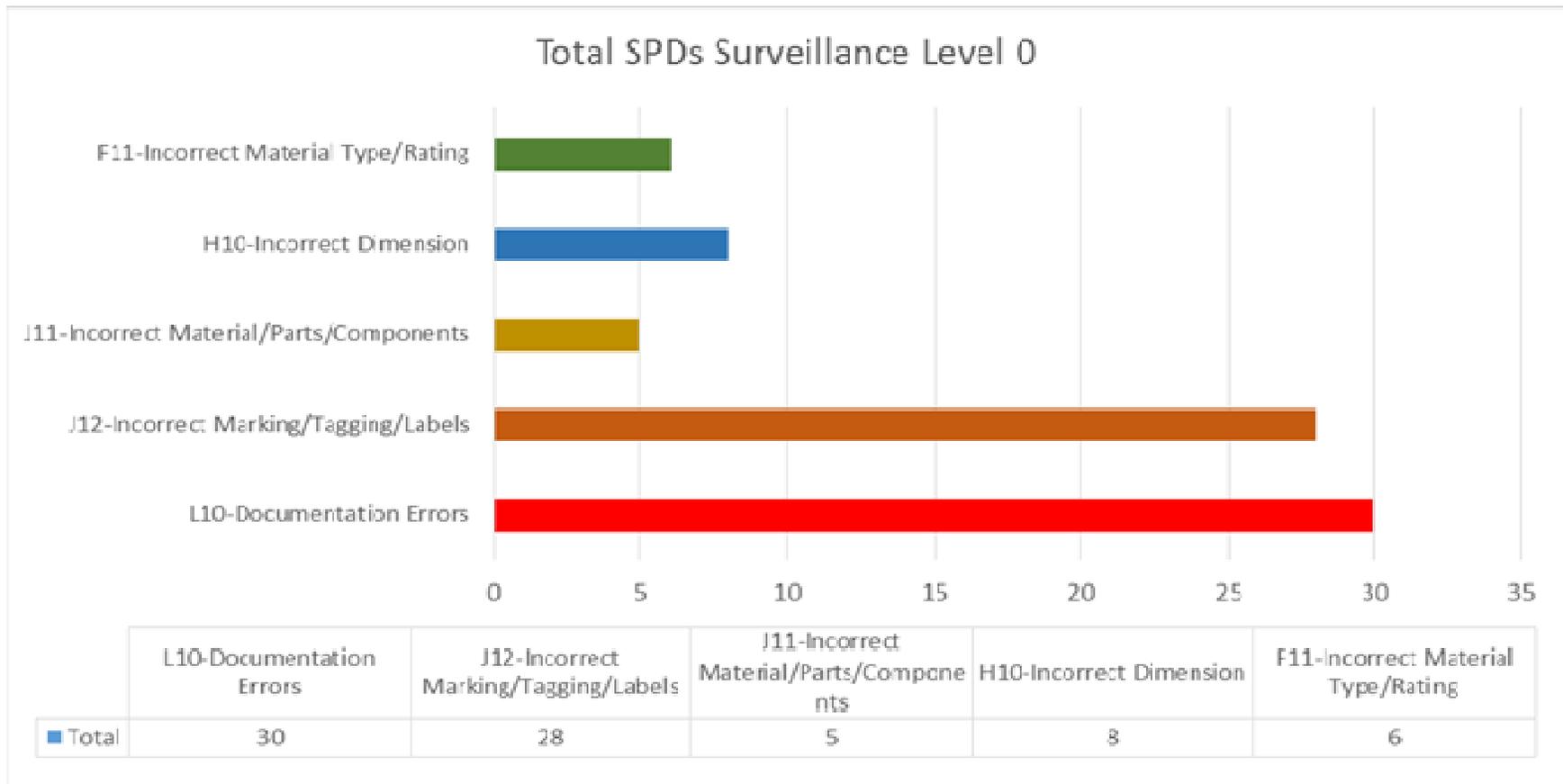
In addition, supplier-related nonconformances found at receipt or installation are tracked and coded. The objective is to collect, analyze and act on data trends to provide early detection of issues toward upstream barrier improvements





Supplier Performance Trending

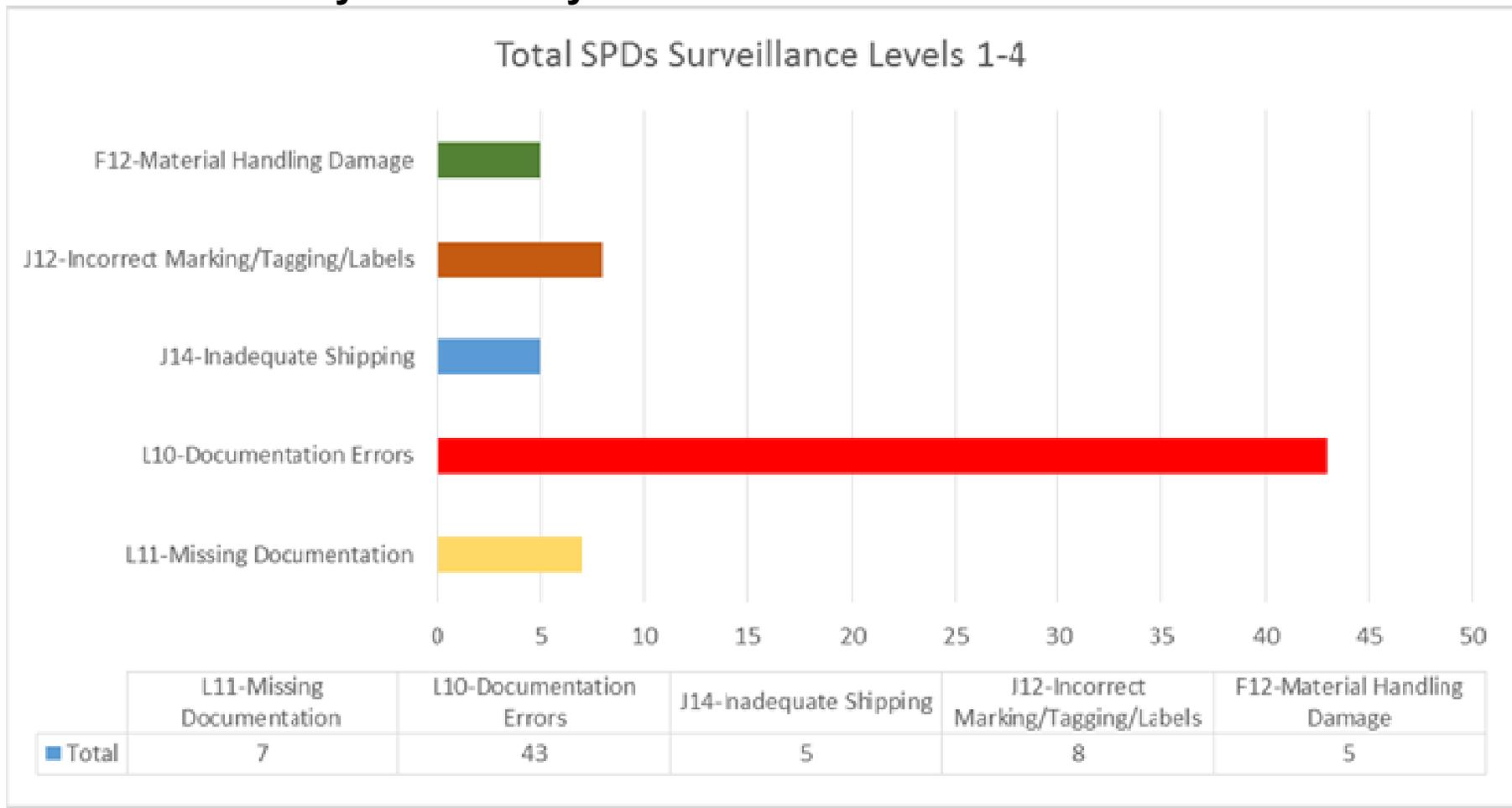
RI&T SPD by Commodity Cumulative 2015 Surveillance Level 0





Supplier Performance Trending

RI&T SPD by Commodity Cumulative 2015 Surveillance Level 1-4





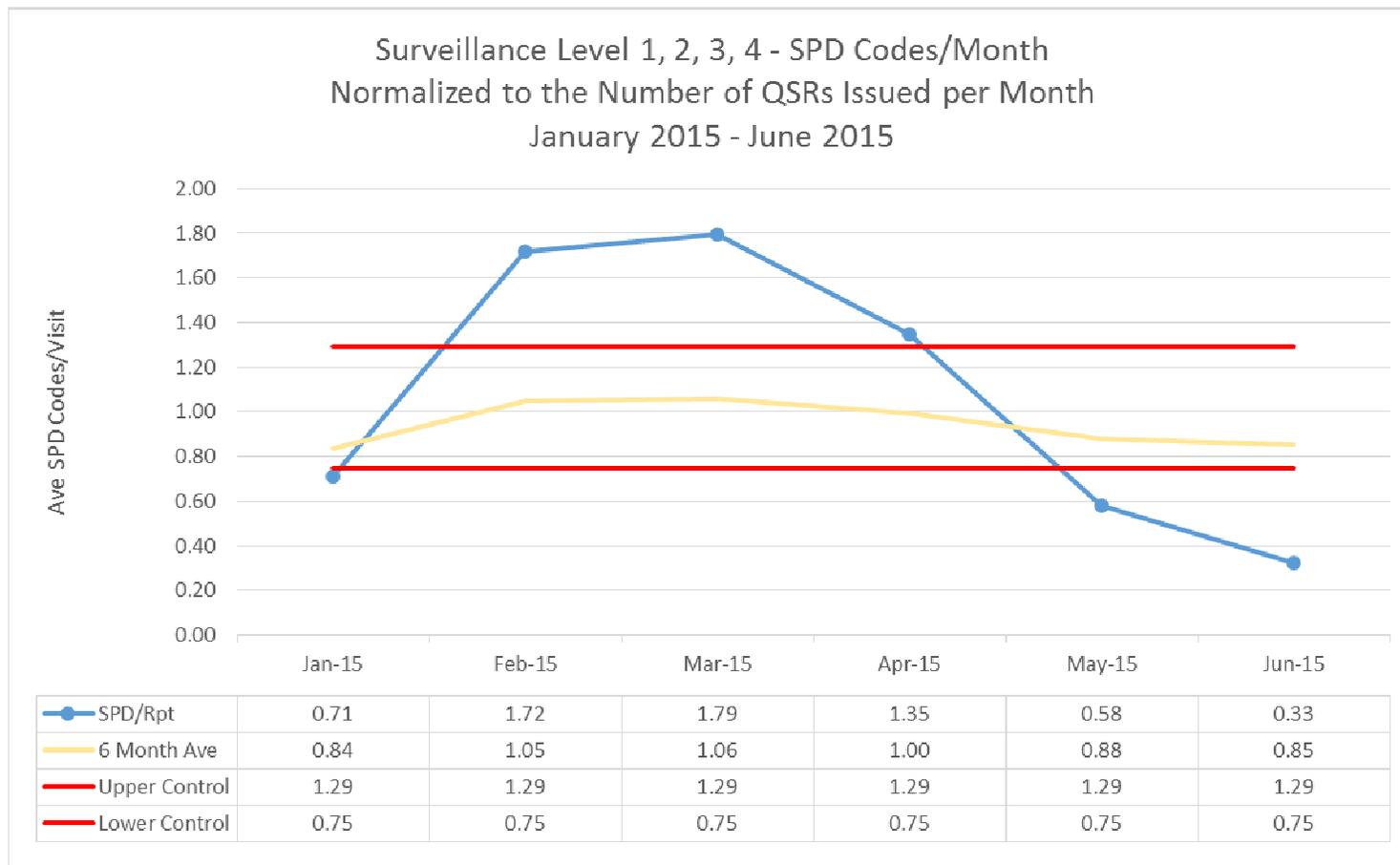
Supplier Performance Metrics – WTP

- In support of WTP project health initiatives, the WTP Supplier Quality organization has taken the discussed data and developed five supplier performance metrics
- The five metrics measure various aspects of shop surveillance discoveries, discoveries upon receipt, and discoveries during installation
- The inputs to these metrics consist of validated SPD codes. We analyze the data monthly to determine if improvement opportunities exist
- The end result provides us with data to present to project management and gives us a vehicle to discuss any trending issues with our supply base
- The next two slides provide examples of the metrics we have currently implemented



Supplier Performance Metrics – WTP

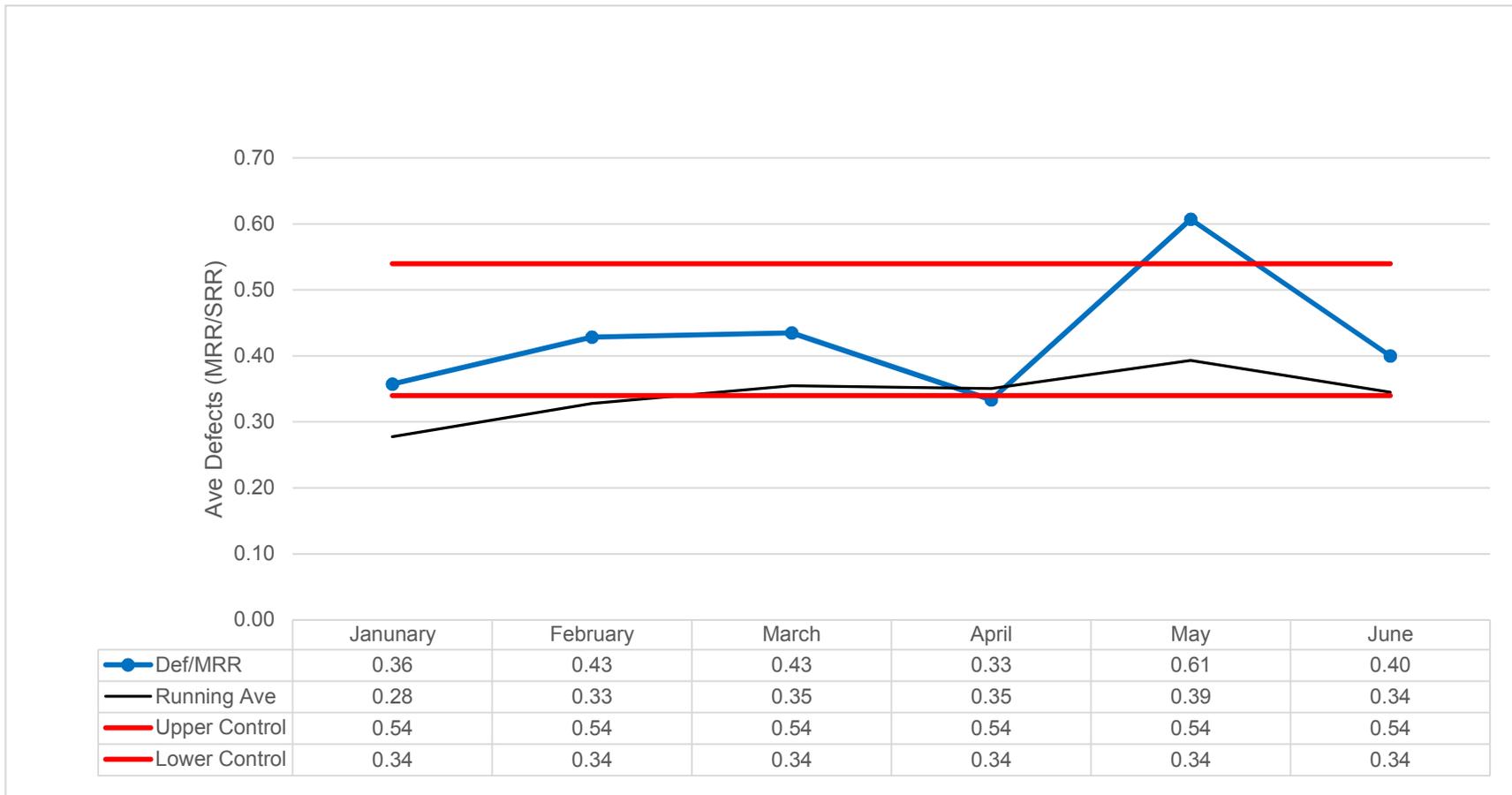
SQR Surveillance Levels 1-4 – SPD Codes/Month





Supplier Performance Trending

Supplier Performance at Receipt – Percentage of Receipts with Deficiencies





Supplier Performance – WTP

- In closing, we anticipate the supplier performance measures to aid both Bechtel and our supply base in providing a means to delivering equipment and materials with bulletproof quality
- Our collective expectation is to move improvement opportunities as far upstream as possible. The supplier performance initiatives give us a vehicle to analyze and act on valid data
- We believe our mission's success is imperative and includes cooperation by all stakeholders



QUESTIONS?

Email or Text

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