## Email from Corrosion Group

An email from corrosion group (DS inspection) to Facility Engineer will trigger the creation of Field Design Package.

For this type of email summarizing damage and requesting a repair recommendation, the basic requirements would typically include:

1. Subject line: Clear and concise summary of the issue, including the equipment/component name and type of damage.

2. Opening statement: Clearly stating that the damage meets the repair criteria, usually specifying a percentage or extent of wall loss/damage.

3. Damage details:

- Specific location (equipment name, component, and position/distance)

- Type of damage (corrosion, erosion, etc.)

- Percentage or extent of wall loss/damage

- Base metal thickness and remaining wall thickness

- Resulting stress levels on the component/pipe (if applicable)

4. Request for recommendation: Explicitly asking for a recommendation on the repair approach, such as removal and repair of the damaged area.

5. Attachments: Damage Summary Drawing

The key elements are clearly communicating the damage details, meeting repair criteria, providing supporting documentation, and explicitly requesting a recommendation for the repair approach.

Below is the example of the email CPF2 DS Facility Engineer Got from corrosion group (DS Inspection)

Subject: 2H Pig Receiver V-2H03 Damage Summary Drawing MCD2H70

1. Damage Identified meets repair criteria (30% or greater wall loss within the pig receiver barrel by direct weld deposition)
2. V-2H03, PR,02 @3’0” – 66% (UT) wall loss due to internal corrosion
3. A base metal thickness of .562”, a remaining wall thickness of .225”
4. A resulting CPS of 2,972 psi on this 3,250psi design line
5. Request for recommendation to remove and repair all damage
6. Attachment: Inspection Drawing: MCD2H70 DSD 111020.pdf