The Risk-Based Inspection (RBI) business unit has offered support for initiating RBI programs for many petrochemical facilities. These programs initially are very successful but tend to fall apart years later during evergreening. The main cause of this is due to a lack of resources for the ongoing updating required by an RBI program.

If your RBI program is suffering from this issue, we have great news for you! The RBI business unit can provide support to help manage RBI programs during the evergreening periods. Our support can help keep your RBI data accurate and up-to-date, which will maintain the integrity of an RBI program.

E2G offers a wide range of assistance that can be customized to fit any facility’s needs, including a combination of on-site and remote support.

**GOALS OF THE EQUITY ENGINEERING GROUP**

The overall goal is for E2G to help the Petrochemical Industry improve and maintain the sustainability of their RBI program and manage risks associated with equipment degradation.

Many owner-users have invested significantly in RBI program development; have completed implementation of fixed equipment, piping, and pressure relief devices in various process units; and have many examples of successfully managing equipment degradation risks and inspection prioritization. The sustainability of the developed program has posed challenges for owner-users, partly as a result of staff turnover and the resulting loss of personnel with RBI program knowledge.

E2G recommends reassessment at suitable intervals to capture changes to operating and damage mechanism parameters that affect the risk analysis. For most units, this frequency is between 5 and 10 years.

**TYPICAL RBI PROGRAM MANAGEMENT**

E2G can provide a Project Manager, RBI Engineer(s), RBI Inspection Specialists, and Corrosion and Material Specialists as needed to manage RBI-related tasks.

**CONTACT**

For more information about the RBI program, please contact Valerie Magyari.

Email: vimagyari@EquityEng.com
**RBI PROGRAM MANAGEMENT**

The E²G RBI business unit has offered support for initiating RBI programs for many petrochemical facilities.

**GENERAL PROGRAM CONSULTING**
- Prompt support for any inquiries
- Mentoring personnel regarding RBI inspection recommendations and program requirements
- Adding new equipment to the existing RBI program

**RBI FILE UPDATING**
- Grade and update new inspection results
- Update corrosion rates based on inspection results
- Provide new inspection plans as needed

**ADDITIONAL PROGRAM CONSULTING**
- Complete full reassessments as needed
- Re-examine susceptibility for environmental cracking mechanisms as needed
- Re-examine estimated corrosion rates as needed