TABLE 3. KPI LEVEL 3 USED FOR OPERATIONS MANAGERS AND CORROSION EXPERTS IN THE ORGANIZATION

Rank	KPI	Inspection Period	Calculation Method	General Acceptance Criteria
1	Chemical injection rate	Weekly	$\frac{\text{Number of measurements in the acceptable range}}{\text{Total performed measurements}}$	The closer to ratio one, the better the situation
2	Availability	Annual	$\frac{365 - \text{Number of days that chemicals are not injected into the system}}{365}$	The closer to ratio one, the better the situation
3	Chemical residues	Weekly	$\frac{\text{Number of measurements in the acceptable range}}{\text{Total performed measurements}}$	The closer to ratio one, the better the situation
4	Percentage of realization of discontinuous improvement	Annual	$\frac{\text{Number of performed discontinuous improvements}}{\text{Number of scheduled measurements}}$	The closer to ratio one, the better the situation
5	Corrosion rate	Per six months	$\frac{\text{Number of measurements in the acceptable range}}{\text{Total performed measurements}}$	The closer to ratio one, the better the situation
7	Number of corrosion monitoring methods	Annual	$\frac{\text{Number of monitoring methods}}{3}$	The closer to ratio one, the better the situation
8	Efficiency	Per six months	$\frac{\text{Corrosion rate without inhibitor} - \text{corrosion rate with inhibitor}}{\text{Corrosion rate without inhibitor}} \times 100$	The closer to ratio one, the better the situation
9	Performance of injection pumps	Per six months	$1 - \left(\frac{\text{Number of maintenance pump work orders}}{\text{Total of work orders}}\right)$	The closer to ratio one, the better the situation
10	Monitoring of nitrogen blanketing conditions in the storage tank inject chemicals to unit	Monthly	$\frac{\text{Number of measurements in the acceptable range}}{\text{Total performed measurements}}$	The closer to ratio one, the better the situation