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Safety Maintenance Procedures to Keep Your Tank in Ideal Shape by [Richelle Loughney](#)

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Numerous types of tanks serve a particular purpose: to carry stored liquids and other substances. Household tanks are, of course, for holding safe and clean water; holding tanks are for waste water; and other storage tanks are for business reasons. Regardless of their particular storage roles, they need suitable cleaning and maintenance to function properly.

By frequently cleaning and maintaining tanks, the liquid or materials they carry can be spared from contaminants too. For that reason, potential problems can be avoided, and even the holding machines or tanks will last for a longer time. For people to fully recognize the significance of maintenance and cleaning needs, here are some of the feasible safety threats that can take place if the needed servicing is not frequently conducted.

Unwanted Chemical Reactions. Undesirable chemical reactions happen when tanks are maintained improperly. This is highly relevant for hydraulic tanks and sewerage systems because they hold various elements and compounds-not just water. Most of these tanks can experience polymerization, saponification or the formation of hard soapy layer, and drying or solidifying of debris that can no longer be resolved unless given a solvent.

Metal Corrosion. Regarding chemical reactions, metal corruptions are also possible risks if tanks and holding systems are not properly managed. Once the inner metal surface of the structure begins to diminish, it can trigger further chemical reactions and contamination. For that, the acid neutralization tanks need to be cleaned frequently to properly counteract the acid in stored water intended for schools, laboratories, and hospitals.

Fire and Explosions. Storage systems and tanks may also create flame problems as there are industrial tanks that cause fire and bigger explosions if not managed well. For instance, lightweight Frac Tanks or those employed for hydraulic fracturing may cause fire accidents because these deal with the drilling of natural gas sources. To avoid this scenario, people in the industry should invest on beneficial maintenance and cleaning of portable frac tanks to make sure that they can correctly transport chemical substances and hazardous materials.

Structural Deterioration. Needless to say, if tanks are not washed and maintained frequently, they can degrade gradually. Metal corruptions and regular chemical reactions can result in rust formation and eventually cause structural deterioration. As a result, it is preferable for holding tanks to be immediately replaced as required. Spending on quality and durable materials is a smart decision because they mean better effectiveness and longer life for the tank.

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