

1. BACTERIA

Do you have a bacterial issue causing corrosion and H2S gas?

Bacteria can cause corrosion on metal pipes, tanks, and equipment, as well as deadly H2S gas. Biofilms can build up in equipment and restrict flow and functionality.

ChemFlo will test your water, identify the bacteria, and determine which biocide treatment will give you the greatest efficiency and cost savings.

2. HYDROGEN SULFIDE

Do you have truck deliveries or pipeline water with H2S gas?

Deadly hydrogen sulfide gas (H2S) is nothing to ignore. This is a highly deadly gas that can kill personnel very rapidly.

ChemFlo has HS2 scavenger controllers to control peak levels of H2S and keep you from continually overdosing, which saves you money.

3. EMULSIONS

Do you have emulsions that are tightly bonded?

Production water with tight emulsions can be rough to deal with—especially if there are oil wetted solids mixed in with the emulsion.

ChemFlo will test a broad spectrum of demulsifiers in order to dial in the most effective and economic way to separate oil, water, and trapped solids at your plant.

4. SOLIDS

Are you sending formation plugging solids down your injection well?

Solids management is one of the most difficult issues to deal with in a salt water disposal.

ChemFlo can drop out or solubilize the solids that plug your injection well, thus reducing your overall operational costs.

5. PARAFFIN (BLACK WAX)

Are you having issues with paraffin or black wax deposits?

Small particulates of paraffin are found in most production oils and waters, and over time can thicken and solidify causing flow restrictions and paraffin blankets, or even solidify tanks completely.

Once the paraffin type is identified, ChemFlo will determine the dispersant and dosing needed to keep the paraffin from congealing to help you avoid expensive shutdowns.

6. CORROSION

Are you replacing expensive plumbing and equipment?

Corrosion can be caused by many different sources and it can be confusing to identify the culprit.

ChemFlo can help you determine where the corrosion is coming from, and recommend a chemical treatment program to reduce or eliminate corrosion, saving you the need to replace expensive equipment as often.

7. SCALING

Are you experiencing scaling and reduced flows problems?

Scaling can cause more problems than just reducing the size of the hole inside the pipe. It reduces flow rates as well as increases corrosion, pumping time, wear and tear, power bills, etc.

ChemFlo will partner with you to determine the cause and customize a treatment solution to improve your flows and remove the scale.

8. IRON SULFIDE

Are you paying too much to clean out your battery tanks?

Iron solids at a SWD that occur naturally or form during processing will amount to expensive tank cleanings and numerous acid batch treatments of injection wells and formations.

ChemFlo will lab test and design a solution to reduce the number of solids going down hole, thus reducing overall chemical spend.

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9. INJECTION WELL MAINTENANCE

How much are injection well batch treatments costing you?

Using the wrong chemistry or no chemistry will cause plugging down hole, resulting in lower flow rates and increased backpressures. Both will cause higher electrical costs with longer pumping cycles at higher amperages with the increased pressure.

ChemFlo uses chemistries with added lubricity to improve your power savings.

10. POLYMERS/COAGULANTS/FLOC ENHANCERS

Are you getting enough oil, water and solids out of your slop oil?

Improving the quality of oils by removing BS&W is a difficult project. If you have to rework slop oil a second time through the centrifuge, then you probably have the wrong demulsifier and polymer.

With experience and methodical jar testing, ChemFlo can choose the right blend for you and save you up to 50% on your polymer costs.

11. SLOP OIL TREATMENT

Are you using the right demulsifier/polymer combinations?

Solids separation in slop oil is one of the most difficult issues to deal with at a SWD. Solids in the oil phase can be oil wetted and show high concentrations.

ChemFlo has specialty chemicals that will strip the oil from the solids, improving solids removal and the quality of oil, reducing the need to rework.

