



# DeSalt Plus™

## FIRST RESPONSE For the Remediation of Soils Contaminated by Produced Salt Water

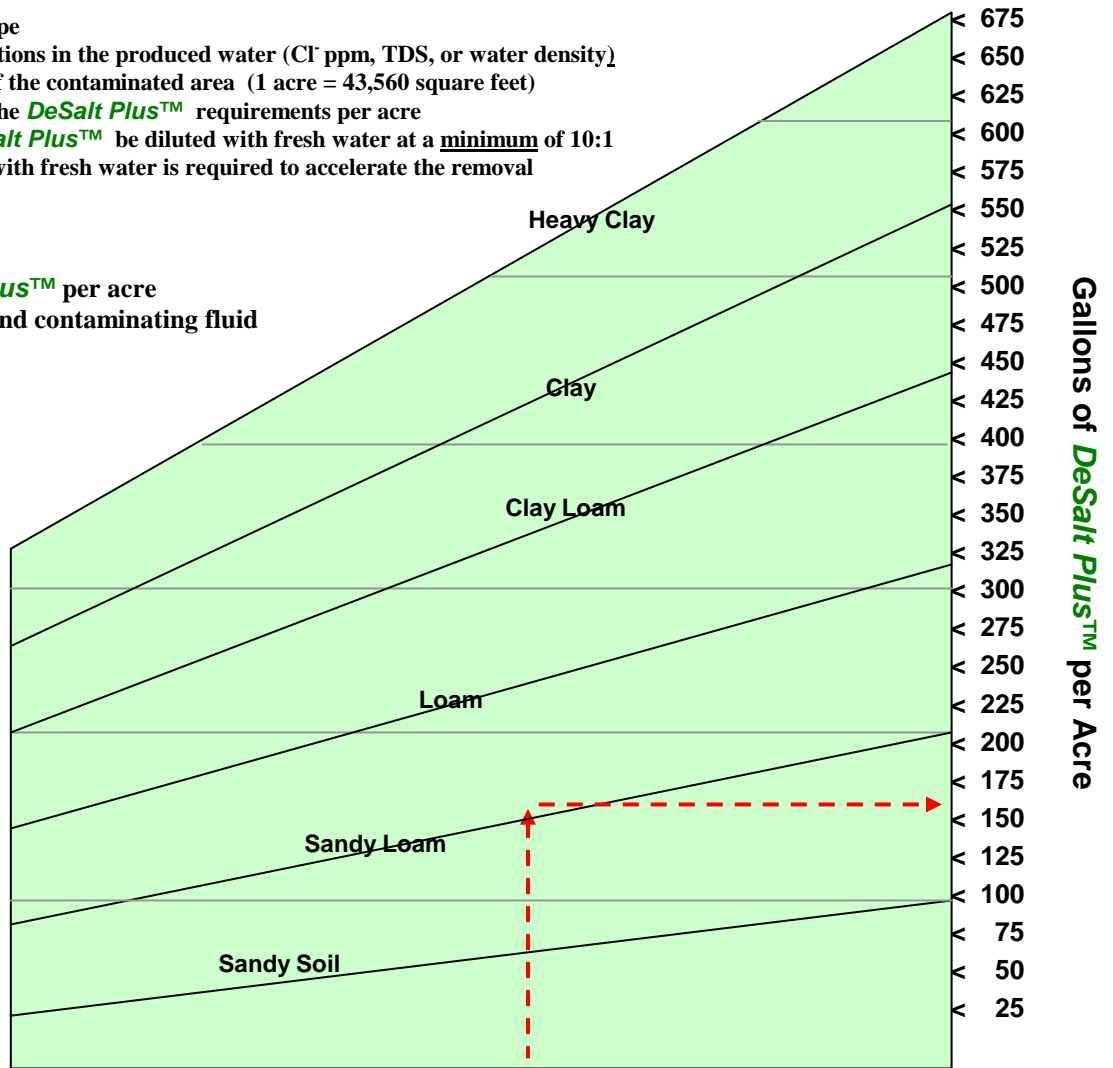
*Solutions on Site* is the best approach to remedy your environmental issues. *SOS Environmental* provides a full service team to perform site evaluations, field-testing, remediation recommendations or proposals, application of required amendments, as well as, site managing and monitoring through closure. *SOS* can provide specialized equipment and field personnel to support your operation. *SOS* personnel work well in conjunction with your environmental group or consultant. We are a service company to you and your team. *SOS Environmental* specialty products and services were developed through collaboration between Chemical, Agricultural and Oil & Gas Service Operators. With nearly 20 years experience bringing *Solution On Site* to solve these problems, *SOS* has become a recognized authority and premier provider of products and services to Industry and to Environmental service companies across the country and globe.

This First Response Chart is to be used as a guideline for treatment of fresh spills. If the contamination is over 30 days old the soil should be first tested for Cation Exchange Capacity (CEC) and Exchangeable Sodium Percentage (ESP) to determine the proper amendment types and quantities. Soil condition and nutrient levels should also be noted.

**To use the chart below:**

- (1) Select the appropriate soil type
- (2) Determine the salt concentrations in the produced water (Cl<sup>-</sup> ppm, TDS, or water density)
- (3) Determine the size in acres of the contaminated area (1 acre = 43,560 square feet)
- (4) Using the graph, determine the *DeSalt Plus*™ requirements per acre
- (5) It is recommended that *DeSalt Plus*™ be diluted with fresh water at a minimum of 10:1
- (6) After application, irrigation with fresh water is required to accelerate the removal of the contamination.

Gallons of *DeSalt Plus*™ per acre  
Based on Soil types and contaminating fluid



Produced =	Cl <sup>-</sup> (1,000ppm)	40	50	60	70	80	90	100 +
Water	TDS (NaCl ppm)	65.9	82.4	98.8	115.4	131.8	148.3	164.8
	Density (Lb/Gal)	8.7	8.8	8.9	9.0	9.1	9.2	9.3

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