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51 2. Close and seal tank cover valve cover after filling. Unless tank will be in a secured location or
52 under direct oversight 24/7, lock the tank cover to prevent unauthorized access.
53 3. When a fill connection is used, it shall be constructed in a manner to prevent contamination
54 and shall be capped at all times when not in use
55 4. Test and record free chlorine residual in tank water immediately after filling and at least once
56 every 24 hours. Dump tank contents to waste and refill if chlorine residual falls below the
57 reliable detection level of 2 mg/L (ppm).
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59 **The following procedures shall be used returning SOEM equipment to the stockpile:**

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61 1. Return all equipment in clean, sanitary condition. Remove locks from tank covers, discharge
62 valves, etc.. Note: SOEM may require the borrower to repeat the disinfection and cleaning
63 process of any tanker or water buffalo that is returned unclean.
64 2. Complete and sign the equipment use certification form, and provide copy to SOEM.
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66 **Making Disinfection Solutions and Dechlorinating for Discharge:**

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To Make 100 mg/L (ppm) Disinfection Solution							To Dechlorinate			
Quantity of Solution	Add and Mix Sodium Hypochlorite						Add and Mix Calcium Hypochlorite (HTH, 65% chlorine)		Add and Mix	
	5% available chlorine ¹		12.5% available chlorine		15% available chlorine		Powder or granular	5 gram tablets (3.25g avail chlorine)	Sodium Bisulfite	Sodium meta-Bisulfite
gals	liters	gals	liters	gals	liters	gals	lbs (grams)	tablets	lbs (grams)	lbs (grams)
305	2.3	0.6	0.89	0.3	0.74	0.2	0.4 (180)	36	0.5 (185)	0.4 (174)
500	3.7	1	1.5	0.4	1.3	0.4	0.7 (294)	59	0.7 (304)	0.7 (285)
1000	7.3	2	2.9	0.8	2.5	0.7	1.3 (588)	118	1.4 (607)	1.3 (569)
5500	40	11	16	4.2	14	3.5	7.2 (3231)	647	7.4 (3334)	6.9 (3125)

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To Make 200 mg/L (ppm) Disinfection Solution							To Dechlorinate			
Quantity of Solution	Add and Mix Sodium Hypochlorite						Add and Mix Calcium Hypochlorite (HTH, 65% chlorine)		Add and Mix	
	5% available chlorine ¹		12.5% available chlorine		15% available chlorine		Powder granular, or tablets	5 gram tablets (3.25g avail chlorine)	Sodium Bisulfite	Sodium meta-Bisulfite
gals	mL	gals or (fl oz.)	mL	gals or (fl oz.)	mL	gals or (fl oz.)	lbs (grams)	tablets	lbs (grams)	lbs (grams)
2	29	(1)	12	(0.4)	10	(0.33)	0.01 (2.4)	1	0.01 (2.5)	0.01 (2.3)
10	148	(5)	60	(2)	60	(2)	0.03 (12)	3	0.03 (13)	0.03 (12)
50	740	0.2	296	(10)	267	(9)	0.2 (59)	12	0.2 (61)	0.2 (57)
100	1450	0.4	592	0.2	503	0.2	0.3 (118)	24	0.3 (122)	0.3 (114)

69 ¹ Standard household bleach can be used as the 5% available chlorine additive. But DO NOT USE any bleach
70 product that contains additives, including scented bleach, "Ultra" products, thickened "splash proof" bleach, etc..