APHIS Section 18 Exemption for use of Sodium Hydroxide Annual Usage Report		
	Question	**Response**
1	Report Period	**09/01/2019-08/31/2020**
2	Facility Name	**USDA Veterinary Services- Field**
3	Facility Address	**Various**
4	Facility Physical Location, if different from address	
5	Facility Contact Name	**Dr. Jennifer Siembieda**
6	Facility Contact Phone Number	**970-278-7893**
7	Facility Contact Email	Jennifer.L.Siembieda@usda.gov
8	Product	**Sodium Hydroxide**
9	Formulation used (powder/flakes or liquid)	**pure powder and liquid 10N**
10	Number of treatments	**135**
11	Amount of product used per treatment (grams) density assumed to be 1.32 g/mL - should be concentration (g/mL)	**99.39**
12	Total amount used (in grams) by facility during reporting period (line 10 x line 11)	**13,417.19**
13	Were there any adverse reactions* reported as a result of the use of this product during the last 12 months (if yes, please describe).	
14	Was there any visible contaminated material remaining after the decontamination protocol?	
15	If an APHIS facility or an APHIS-approved partner facility, was the application of the product monitored in compliance with the facility's standard operating procedure (if a private facility, enter "NA")?	
16	If a private agriculture facility, was the application of the product during the decontamination protocol reviewed with the facility owner prior to the protocol? Did APHIS follow-up to ensure that the recommended standard operating procedure was followed (if not a private facility, enter "NA")?	
17	If the answer to question 15 or 16 was "No" list the corrective actions taken.	
18	Does your facility practice any additional risk mitigations not mentioned in the application?	
19	Additional information facility wants to report (if none, please enter "NA")?	

** **Include all adverse reactions observed in staff, livestock, wildlife and the environment.***

				Breithart vet center		CSU
Sodium Hydroxide (10N) Liquid (32% solution)				**liquid**		**powder**
	25			**10**		**varies-used**
1/5 Gallon (1 Part 10N Sodium Hydroxide + 4 Part Chemical Waste)	**319.79**	**grams**		**100 ml**	**42.24**	**50 grams**
~5 Gallons	**7,994.79**	**grams**		**1000 mL**	**422.4**	**5 kg**
	18,927.06	mL				
1 gallon = 3785 mL						

multiply solution by density and then concentrati
1000mL x 1.32 g/mL x 32% w/v = 422.4 grams of I

ion ->
NaOH

[9] need to report concentration if used liquid and purity of powder