Groundwater Evaluation Form Wastewater Effluent, Sludge and Septage Source Information					
Report the type(s) of Land Application:	<u>Effluent</u>	Septage	<u>Sludge</u>		
	STIONS ARE INTENDED TO ASSESS THE POTENTIAL FO				
	EPRESENTATIVE OF MATERIAL CHARACTERIZ				
Compliance History: Please indicate which selection is reflective of your operational status (if new site, select this box).	No Notice of Violation(s) (NOV) related to wastewater effluent application or sludge/septage land application since permit effective date	NOV (related to a wastewater, sludge or septage land application) issued since permit effective date	Under a Consent Order specifically related to an effluent, septage or sludge land application site, or a wastewater treatment system processing wastewater, septage or sludge		
What is the Total Nitrogen in wastewater effluent, septage or sludge material (Nitrate-Nitrogen + Ammonia-Nitrogen + Organic-Nitrogen)?	Less than 10 mg/L for last 2 years or the last 12 samples OR equivalent using a dry weight basis	Between 10 mg/L and 20 mg/L for last 2 years or the last 12 samples OR equivalent using a dry weight basis	Greater than 20 mg/L for last 2 years or the last 12 samples OR equivalent using a dry weight basis		
Are PAHs, PCBs, BTEX, Dioxin, Trihalomethanes or Chlorinated Solvents present in the wastewater effluent or process water?	Not believed to be present in any stage of the treatment works	Believed to be present in the influent but not the effluent / sludge	Believed to be present in effluent / sludge		
Has the wastewater effluent, septage or sludge been tested for the following Persistent Organic Pollutants: PCBs, Dioxins, PFAS?	No	Yes, all sample results below detection and/or reprting limits	Yes, detected in sample results		
Nutrient Source Acquisition: Where/how is the biosolid for the land application site being acquired or planned to be acquired?	Paid for/Purchased (e.g. commercial fertilizer)	Given/Transferred at no cost from another location	The applicant is paid to take the nitrogen source		
What is the Consistency of Nitrogen content in the wastwater effluent, septage or sludge? Using statistical methods-see below.	Variance of less than 10 for last 2 years or the last 12 samples	Variance of 10 to 19 for last 2 years or the last 12 samples	Variance of 20 or greater for the last 2 years or the last 12 samples		
calculations using the mean as a variable o loading to the site becomes less certain a	dispersion of data from its mean and quantif r even direct values from the set are. If calculand nd should be limited to error on the side of sa f the squared deviation of each data point fro	ations used to establish loading rates are base afety. Variance can easily be calculated using s	ed on variables with high variance the actual summary statistics in excel or by taking the		
and risk to human health associated with groundwa essential to a successfull program. As the final treatn chemicals. Pollutant removal by land application is inco root zone. Preventing over As nitrogen mineralizes throughout the year the ab reduces leaching and lowers risk of groundwater con	tamination. Nearby wells can be contaminated when site likely to require remediation. The questions in this form h	ng waste, miantaining the most efficient operational status from the waste source by crop uptake and allows for vouching excess nutrients into the groundwater. Overapplica content and the concistency of the waste materials appliering precipitation and irrigation events. Timing of applications to achieve a satisfactory yield es are managed improperly. Establishing a program that p	s, and conservative application of waste materials are latilization, biodegradation, and photo degradation of tion of nutrients can increase leaching beyond the crop's d can affect this calculation. ion during the peak uptake periods and utilizing the practices lower risk management methods in lower risk		
shall certify that all information contained in such docum makes any false statement, representation, or certific	tion. (1) Any person making application for a Land Application nent is true. All application facts certified to by the applican ation in any application, record, report, or other document med to have violated a permit condition and shall be subjec	nt shall be considered valid conditions of the permit issued is filed with the Department pursuant to the State law, and t	oursuant to the application. (2) Any person who knowingly the rules and regulations pursuant to that law, shall be		

The comment is a comment to the comment of the comm	Groundwater Evaluation Form Wastewater Effluent, Sludge and Septage Land Application Field Information					
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