**Summary of Evaluation**

Permit Number of Site (if applicable): WI\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

Name(s) of Additives/Product(s)\* to be reviewed: \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

Please provide a brief overview of the referenced additive(s), the targeted contaminates, and the proposed remediationprocess:\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

# FOR THE BELOW, provide direct responses to each of the following items (using attached pages is acceptable. Failure to do so may result in an automatic denial of approval.

# Required General Information

1. Current or future use of site with site contact person, address (including physical address of site, if applicable), email address, and phone number.
2. Contractor applying the product, contact person name, address, email address, and phone number for the contractor.
3. Distance and likelihood of impact to public or private water supply wells. Is the area proposed for remediation served by a public water supply utility? If the request is not site-specific, provide evidence showing the potential extent of impacts from injection of this product. Verification must be provided by the appropriate Regional Office of the Public Water Supply Section.
4. General description of the contaminants, if present, in the soil and/or groundwater at the site. If the contaminants are unknown, list the contaminants for which the product is intended to remediate.
5. Name, approximate distance, and likelihood of impact to the nearest surface water body to the site.
6. Approximate distance to nearest residence(s) and workplace(s).

# Required Product/Process-Specific Information

1. Product manufacturer name, address, phone number, and contact person’s phone and email address.
2. Identity of specific ingredients\* (including CAS#) and concentrations of ingredients contained in the product and purpose of each specified ingredient.
3. Documentation from authoritative technical references on the contaminants or class of contaminants the product can remediate. Provide a brief summary of the mechanism by which the product will remediate these contaminants.
4. Approximate concentration of each ingredient following release into groundwater or soil.
5. Approximate groundwater concentration of each ingredient after pumping or recovery (if applicable).
6. If the product is expected to discharge to a nearby surface water, approximate concentrations of product in the water and an assessment of the potential impacts to surface water.
7. Documentation from authoritative technical references on what additional injectants are anticipated to be injected with this product.  Please provide specific ingredients of these injectants.
8. Documentation from authoritative technical references of the specific degradation products, other injectants (if applicable), and byproducts of remediation expected (provide a brief summary of the referenced material as well as a copy of the referenced material.). If degradation products are unknown, list the degradation products for the contaminants for which the injectant is intended to remediate.
9. Documentation from authoritative technical references of the toxicity of specific ingredients, other injectants (if applicable), byproducts of remediation, and degradation products in soil and groundwater.  Be specific to toxic endpoints that are relevant to public health (provide a brief summary of the referenced material as well as a copy of the referenced material).
10. Documentation from authoritative technical references of expected migratory potential of specific ingredients, other injectants (if applicable), byproducts of remediation, and degradation products in soil and groundwater. Be specific to the hydrogeologic conditions in which migration will occur (provide a brief summary of the referenced material as well as a copy of the referenced material).
11. Documentation from authoritative technical references of expected half-lives of specific ingredients, other injectants (if applicable), byproducts of remediation, and degradation products in soil and groundwater. Be specific to the conditions in which these half-lives occur.
12. Documentation from authoritative technical references regarding how the natural hydrogeological conditions will be impacted. Be specific to naturally occurring inorganic compounds that may be influenced by the use of this product. (For example, will naturally occurring inorganics be mobilized within the groundwater system?).
13. Complete description of the use of the product at the site.

Send an electronic copy of the risk assessment package, along with any other relevant documentation including MSDS sheets and product information, which would aid in the product being approved for use for groundwater remediation in North Carolina to the UIC Program contact persons below:

**Michael Rogers, UIC Program Manager** [**Michael.Rogers@ncdenr.gov**](mailto:Michael.Rogers@ncdenr.gov)

**Shristi.Shrestha, Hydrogeologist**

[**Shristi.Shrestha@ncdenr.gov**](mailto:Shristi.Shrestha@ncdenr.gov)

\*If the composition of the proposed injected fluid is considered a trade secret and needs to be treated as confidential, please submit the confidential information clearly labeled as confidential. In addition, include a letter identifying the confidential information and stating why the information should be processed as confidential. All information warranting protection as a trade secret will be handled in accordance with G.S. 132-1.2. and 15A NCAC 2C .0211(g).