

## Monitored Natural Attenuation (MNA) Field Inspection Addendum

### MNA Plan – File Review

What COC is the MNA targeting?

Organic:  Petroleum  Cl Solvents  PCB  Other \_\_\_\_\_

Inorganic:  Metals  Cyanide  Other \_\_\_\_\_

Is MNA the only selected remedy?  Yes  No

If No, what other technology was selected? \_\_\_\_\_

What media is MNA targeting?  Groundwater  Soil  Soil Gas  Other \_\_\_\_\_

Are there any sensitive receptors down gradient of the plume?  Yes  No  Unknown

If YES:

How close is the receptor? \_\_\_\_\_

Are there "sentinel" MNA monitoring points between the plume and the sensitive receptor?  Yes  No  Unknown

What media is being sampled for MNA evaluation?  Soil  Groundwater  Soil Gas  Other \_\_\_\_\_

List locations to be used in the MNA evaluation:

Monitoring Wells: \_\_\_\_\_

Soil Sample Locations: \_\_\_\_\_

Soil Gas Locations: \_\_\_\_\_

Other: (\_\_\_\_): \_\_\_\_\_

List Analytical Methods to evaluate MNA:

Chemical: MADEP Methods?  Yes  No  Other: \_\_\_\_\_

SVOCs  VOCs  PAHs  PCBs  Other: \_\_\_\_\_

Physical Chemistry

pH  COD  BOD  Alkalinity  O2  CO2

ORP  Temperature  Conductivity

Others: \_\_\_\_\_

Bacteriological: \_\_\_\_\_

Frequency of Monitoring:

Monitoring Wells: \_\_\_\_\_

Soil Sample Locations: \_\_\_\_\_

Soil Gas Locations: \_\_\_\_\_

Other: (\_\_\_\_): \_\_\_\_\_

Has the plume (including transformation products) expanded since the last evaluation?

Yes  No  Unknown:

Comments: \_\_\_\_\_

Is the plume within the monitoring well network?  Yes  No  Unknown:

Comments: \_\_\_\_\_

Have any environmental changes been detected in the last evaluation period?  Yes  No  Unknown:

Comments: \_\_\_\_\_

Have toxic and/or mobile transformation products been detected in the last evaluation period?

Yes  No  Unknown:

Comments: \_\_\_\_\_  
\_\_\_\_\_

Has a site-specific model of MNA performance been done? If YES:  Yes  No  Unknown:

Has reduction in COC concentrations occurred as predicted?  Yes  No  Unknown:

Has any aspect of the model parameters changed since the model was run?  Yes  No  Unknown:

Has the model parameters and predicted concentrations been verified by field and/ or analytical data?  Yes  No  Unknown:

Comments: \_\_\_\_\_

If MNA is not successful, has an alternate remedial technology been selected?  Yes  No  Unknown

If YES:

- o What is the technology? \_\_\_\_\_
- o What media will it address? \_\_\_\_\_

Comments: \_\_\_\_\_

### MNA Field Inspection

Are the MNA evaluation points (e.g. MW locations) the same as those shown in plans?  Yes  No  Unknown

Comments: \_\_\_\_\_

Are the critical monitoring points still usable for MNA evaluation?  Yes  No  Unknown

Comments: \_\_\_\_\_

Have surface conditions changed (e.g. paving, regrading)?  Yes  No  Unknown

Has there been any new construction (e.g. new buildings, regrading, culverts, etc.)?  Yes  No  Unknown

Any observed that may change subsurface conditions?  Yes  No  Unknown

If YES to any of the above:

Is there a potential impact to the efficient use of MNA?  Yes  No  Unknown

Comments: \_\_\_\_\_  
\_\_\_\_\_

**VIOLATION(S) OBSERVED:**  No  Yes  Possible

If yes, list violation(s):

**Other Comments:**

\_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_

**Completed by:**