

Monitored Natural Attenuation (MNA) Field Inspection Checklist

Site Address: _____

RTN: _____

Inspection Date: _____

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 VPH PAHs PCBs Other: _____

Physical Chemistry

pH COD BOD Alkalinity DO 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, regarding)? 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: