

UIC Activity **UIC Notice Required?** **UIC Order Required?** **Explanation/Comments:**

Air Sparging/Bio-Sparging:

Air Sparging/Bio-Sparging pilot test	No	No	The department/local program approval of a pilot test plan will serve as the permit for installing the pilot test wells. The pilot test wells will additionally be approved in the RAP Order for the full system and the UIC notice will be prepared at that time for the full system, including pilot test wells which are incorporated. A separate approval letter will be issued by the DEP or the local program if it is necessary to install pilot test wells prior to the approval of the pilot test plan
Air sparging and bio-sparging systems which were approved and installed prior to 9-14-12	No	No	We are not going backwards in time to do UIC noticing for systems which existed before the determination that in situ sparging wells are UIC wells
RAPs/RAP Mods involving a new air sparging/bio-sparging system approved before 9-14-12 but not installed prior to 9-14-12	Yes	No	Either the approval Letter for a RAP Modification or an Approval Order for a RAP which was previously issued can be attached to the UIC Notice For RAP Modifications approved before the 9-14-12 policy memo but installed after 9-14-12.
RAP Mods involving modifying an existing air sparging/bio-sparging system which was originally approved either before or after 9-14-12	No	No	If there was a previous in situ sparging system existing and it is proposed for the system to be modified, any modifications to the system including installation of additional sparging wells does not need UIC notice or a UIC approval order regardless of whether there was UIC notification when the system was first approved and installed.
RAPs/RAP Mods involving a new air sparging/bio-sparging system approved after 9-14-12	Yes	Yes	All RAPs and RAP Modifications Involving new Air Sparging/Bio-Sparging systems Approved after 9-14-12 require an enforceable FDEP Order and completion of the UIC notification memo.

Chemical/Bio Injection: Slurries, Solids, Gases, Socks, or Cartridges:

Chemical/Bio Injection Pilot Tests	Yes	Yes	A UIC Approval Order Is required for a chemical injection pilot study. If it is necessary to install pilot test wells prior to the approval of the pilot test plan with a UIC Approval Order, a separate approval letter will be issued by the DEP or the local program authorizing the wells to be installed. However, the wells may not be used for the pilot test chemical injection until the UIC Approval Order is issued.
RAPs and RAP Modifications involving chemical/bio injection which has not previously been authorized by a RAP approval order or UIC approval order.	Yes	Yes	An enforceable order is required for these wells if chemical injection has not previously been authorized.
RAP Mods Involving Chemical/Bio injection with a remediation product previously authorized for use on the site.	yes	no	If use of the product on the site was previously authorized by an enforceable order, then approval of a RAP modification proposing additional injection of the same product may be approved with a RAP Modification approval letter; however, if a different remediation product is proposed for injection a UIC Approval Order is required.

Treated Water Disposal:

Water disposal pilot test (using clean water from a potable water supply for the test)	No	No	Provided clean water is used for the pilot test, the department (or local program) approval of a pilot test plan will serve as the permit for installing and using the pilot test wells for conducting the pilot test. The pilot test wells will be approved in the RAP approval order for the full system and the UIC notice will be prepared at that time for the full system, including any pilot test wells which are incorporated. If treated effluent will be used for the pilot test a UIC memo UIC Approval Order is required prior to conducting the pilot test. A separate approval letter will be issued by the DEP or the local program if it is necessary to install pilot test wells prior to the approval of the pilot test plan.
RAPs/RAP Mods involving treated water disposal	Yes	Yes	If treated effluent injection wells were not previously approved with a RAP approval order or UIC approval order, then an enforceable approval order is required for these wells.

Other Situations:

Chemical/bio added to excavation	No	No	UIC Notification Is Not Required. A zone of discharge must be Established In RAP and Monitored
RAPs involving open pit air sparging/Bio-sparging	No	No	Open pit sparging is active remedial action and must be authorized with a RAP Approval Order, a RAP Modification Approval letter, or Interim Source Removal Approval Order. A UIC Notification or UIC approval Order is not required unless vertical air sparging/bio-sparging wells are installed