Remediation Methods for Blowback Water

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The purpose of this project was to determine the most effective method of remediation for blowback water from hydraulic fracturing. We tested two different methods of remediation; sand filtration and distillation. We hypothesized that the most effective method of remediation would be through distillation. To test our hypothesis, we set up three different sets of Brassica; one for control (spring water), one for sand filtration, and one for distillation. Each system of Brassica germinated in the appropriate water. They each were self-watered in addition to the manual watering that we provided. We recorded the height and leaf count of Brassica. After experimentation and analyzing our data, we concluded that the most effective method of remediation was through distillation.

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