

ARSG Meeting Summary for the Technical Workgroup

11/15/12

Attendees: Steve Fearn, Bill Simon, Peter Butler, Kirstin Brown, Kay Zillich, Ray Ferguson, Darlene Marcus, Dale Rodebaugh, Marcie Bidwell, Paul Nazaryk. On the phone: Larry Perino, Craig Gander, and Warren Rider.

The group met at the Public Lands Center in Durango, courtesy BLM, to discuss formulating a proposal that might be put on the Innocentive website. Three members of Innocentive joined us on the phone to discuss how their process works.

Innocentive has several different types of challenges. The first is “Ideation” which works better for more open-ended questions. A “Theoretical” challenge is more specific with the problem more thorough defined. Then a “Reduction to Practice” is an even more refined challenge that requires the solver to show the solution actually works. Most likely, ARSG is looking at the first two types of challenges. We have a powerpoint file that describes the different types of challenges more thoroughly which can be provided to anyone who is interested. Let Peter know.

Innocentive charges \$15K initially to help the group formulate a challenge and develop a contract for potential solvers. Then it costs \$20k to put up each different challenge on the website. Rewards for an Ideation are an additional \$5K-\$10K. Rewards for a Theoretical challenge are an additional \$10k-\$40k.

After the discussion with Innocentive, the group began talking about the different problems we brain-stormed at the October meeting and listed later in the summary notes. Initially, the main focus was on underground, in-situ treatment. After a lot of discussion, the group generally felt that underground, in-situ treatments are usually quite site-specific and don't lend themselves that easily to a problem formulation for the Innocentive website. We aren't dropping these ideas, but it may make sense to start with ways to remove metals from water as an initial proposal for Innocentive. We ran out of time to discuss remediation process issues and waste stream issues.

At the end of the meeting Paul Nazaryk with BHP-Billiton said that the National Mining Association is meeting in Scottsdale, AZ in March. That might be an opportunity for ARSG to talk directly with the NMA's environmental sub-committee about an Innocentive proposal.