

TLG MEETING MINUTES
Technical Leadership Group (TLG) Meeting
July 25, 2013, 1:00 - 4:00 p.m.
Idaho Dept. of Labor Conference Room
35 Wildcat Way, Kellogg, ID

Attendees:

Rebecca Stevens, CDA Tribe	Bruce Schuld, IDEQ
Sandra Raskell (Chair, note-taker), CDA Tribe	Jan Olsen, IDEQ
Caj Matheson, CDA Tribe	Dana Swift, IDEQ
Laura Laumatia, CDA Tribe	Don Carpenter, IDEQ
Bill Adams, EPA	Bill Rust, Shoshone County TLG Rep.
Ed Moreen, EPA	Rusty Sheppard, Kootenai County TLG Rep.
Kim Prestbo, EPA	Randy Connolly, Spokane Tribe
Rene Gilbert, EPA	Terry Harwood, BEIPC
Sandra Treccani, WA Dept. of Ecology	Jerry Boyd, CCC
Denna Grangaard, IDEQ	Jeff Johnson, BLM
Jamie Brunner (Vice Chair, note-taker), IDEQ	

This summary provides the salient issues. These notes are intended to capture key topics, conclusions, and next steps and not the nuances of the discussion.

Call to Order/Introductions: The TLG Chair, Sandra Raskell, called the meeting to order at 1:03 p.m. and asked everyone to introduce themselves.

Approval of Draft TLG Meeting Minutes of April 20, 2013: Raskell asked if there were any changes or corrections to the draft minutes. Rebecca Stevens noted the notes stated April 10, 2013 and should be changed to April 20, 2013. A motion was made by Rebecca Stevens to approve the minutes with the noted change of date. Ed Moreen seconded the motion and it was approved unanimously. *After confirming with Jeri DeLange on August 1, 2013, the meeting was actually held on April 10, 2013; therefore no changes will be made to the meeting.*

BEIPC Executive Director Update: Terry Harwood announced Jeri DeLange, BEIPC assistant, will be leaving to work for Habitat for Humanity. Her last day is August 3, 2013. The position is currently out for advertisement. Mr. Harwood then proceeded to give updates on 1) Remedy protection, 2) Gravel road projects, and 3) Paved roads. He also confirmed the BEIPC meeting to be held on August 14, 2013 will include an afternoon tour of remedy protection sites as well as Interstate-Callahan WCA project site.

Update on EPA: Bill Adams gave updates on 1) Property remediation work, 2) Blood lead testing (this includes a house dust sampling program), 3) Remedy protection projects, 4) Lower Burke Canyon Repository, 5) Big Creek Repository potential expansion, and 6) East Fork Nine Mile Waste Consolidation Area (WCA).

Specifically, the Lower Burke Canyon Repository (LBCR) project received some written comments during the June 4th Open House. Through development of the design for the LBCR, it

was determined the volume generated from the Canyon Creek cleanup will be greater than the proposed repository volume capacity. EPA is looking at several alternatives to increase the capacity of the LBCR and capacity within Canyon Creek. These alternatives include use of the area near the Silver Valley Natural Resource Trustees (SVNRT) Repository as well as expansion of the Big Creek Repository. The proposed expansions have the potential for the following issues: Expansion of the LBCR to the east places waste closer to Woodland Park and would require moving the main road; Expansion to the west encroaches into the Canyon Creek floodplain (issues arising with encroaching into the floodplain could be addressed with engineering design). However, expansions to the east and west would still not provide the total capacity for the Canyon Creek work; Creation of repository space next to the SVNRT repository would impact adjacent property owners. However, it could provide the needed capacity for Canyon Creek work and it has the potential to address the seeps from the SVNRT repository if this material was moved into it. This repository location design could also provide for borrow soils for capping as this location was developed; Expansion of the Big Creek repository to the West would allow for use of existing infrastructure at Big Creek and would be ideal for disposal of ICP soils in the future.

Along the East Fork Nine Mile (EFNM) work continues at the Waste Consolidation Area. This site will be ready to receive waste from the Interstate Callahan site starting in 2014. In 2013 two new bridges were placed at the Success site in order to facilitate the work in the EFNM.

Update on Central Impoundment Area (CIA) Groundwater Collection System and Central Treatment Plant (CTP) Status: Kim Prestbo provided an update on the CIA ground water collection system (GCS). Phase 1 of the CTP is moving forward. Groundwater modeling was performed to evaluate various configurations of an interceptor to drain to reduce dissolved metals loading to the South Fork. One of the primary concerns with this design was the potential for ferric iron oxide to precipitate in the drain, piping, and permeable backfill as a result of oxygen rich surface water leakage into the drain and mixing with the groundwater. The increased precipitation would potentially impact the function and efficiency of the interceptor drain. The preferred design to capture water is now a cutoff wall approximately 8,800 feet long and 10 feet deep. Along with the cutoff wall, 10 extraction wells are being proposed. The depth of the wall will be designed to intercept the confining layer of the upper aquifer. The cutoff wall will help to reduce the contamination loading into surface and ground waters. The estimated effectiveness is 65-90% reduction in dissolved metals loading to the South Fork. EPA will continue to develop design criteria, conduct surveys and geotechnical work along the walls and pipeline. Due to these changes an Explanation of Significant Difference (ESD) will be prepared per CERCLA requirements.

Ed Moreen continued the discussion and gave updates on the CTP. The CTP is to be upgraded to accommodate the additional water from CIA groundwater collection system. These updates include new reactors, improvements, and upgrades to existing components, new piping and electrical instrumentation and controls. The CTP updates also propose to discharge the cleaned water directly to the South Fork of the Coeur d'Alene River and not to Bunker Creek because currently significant leakage occurs from Bunker Creek which then picks up significant dissolved metals by the time it reaches the groundwater. The GCS and CTP upgrades will be contained in one design and procurement package. CH2MHill is developing the design package

and the Corps of Engineers will be responsible for the procurement. The schedule of the design package is as follows:

- 30 % by October 2013
- 60% by February 2014
- 90% by May 2014
- Bid ready by July 2014

Update on Lower Basin: Kim Prestbo gave an update on the Lower Basin pilot project submittals and project decisions. There were 46 project ideas through 24 individuals/entities. Of those submitted, 2 projects were chosen for implementation beginning in 2014. The first project is a riverbank/beach remediation. This will allow to monitor recontamination, as well as to manage recreation use exposure to heavy metals and ecological habitat. The second project chosen is a water level management project. By using clean tributary flows it may help deter waterfowl from using contaminated locations during migration as well as reduce contamination during high flows. EPA is hoping to start construction by 2014. Updates will be posted

Ed Moreen gave a brief synopsis on upcoming field work for the lower basin. Field work will be conducted August 5-9, 2013 in the Dudley Reach area to test several geophysical methods for mapping the thickness of the contaminated strata in the riverbed. Previous coring data will be used to verify the accuracy and reliability of one or more of these methods. In early September EPA will perform both shallow coring and deep coring in the river bed to determine the mobile sediment layers and the underlying high concentration sediment. More traditional drilling techniques will be used determine where the mining impacted materials interfaces with the pre-mining impacted sediments. Flood plain coring will be undertaken in early fall and EPA hopes to use known chronological layers (Mt. St. Helens ash layer) to determine the depositional rates in the flood plain. The field work will include Cone Penetrometer Test (CPT) boring, Direct Push Tubes (DPT), and Sonic Drilling in the riverbed.

Kim Prestbo gave a hydraulic modeling update. The 1D model was calibrated and validated. EPA is working on a 2D model. The preliminary calibration is underway. The sediment transport model development will begin in late 2013. Output from the 2D model will help guide the sediment transport modeling.

Update on Basin Environmental Monitoring Program (BEMP) work and data: Kim Prestbo gave an update on the BEMP work and findings. She mentioned that USGS conducts all upper and lower basin water quality monitoring. They are currently developing a report to evaluate. Groundwater monitoring objectives are currently being evaluated by EPA and IDEQ. EPA is hopeful the site may receive EPA Optimization Review Program funds from Headquarters in 2014. EPA is also looking at what monitoring wells are really needed in the Box. She let us know there are currently 10 biological resource monitoring field stations. For the suspended and depositional sediment monitoring in the Lower Basin, they are starting to see a clearer, repeating pattern. They are hoping to hold a meeting in late fall.

Rebecca Stevens asked what is being done to evaluate the data obtained through the BEMP program. Kim stated EPA has used the data to evaluated long-term trends in groundwater and

surface water as part of the 2010 Five Year Review and will continue to look at remedial action effectiveness and long-term trends in support of the upcoming 2015 Five Year review. USGS is also analyzing long-term trends in surface and expects to publish this work in 2014.

Riley Raccoon, NI Fair and PSA updates: Denna Grangaard gave updates on 1) Riley Raccoon coloring books and website at www.deg.idaho.gov/playclean 2) North Idaho Fair is coming up August 21-25, come see our joint booth with BEIPC, EPA, DEQ, and Coeur d'Alene Tribe, 3) Denna read two PSAs that will be on air (KPND and Spokane Public Radio) in the next couple of weeks.

Break

Update on Restoration Partnership (RP): Updates were given by Jeff Johnson, Rebecca Stevens, and Caj Matheson. Some of the updates included: outline of key players, restoration vs. remediation, history of injury to the resources, NEPA process, wildlife, fish, aquatics, activities and uses, and the process currently underway. In order to complete the restoration plan for the Coeur d'Alene Basin, a programmatic EIS is required. The Notice of Intent was published June 13, 2013, initiating the 60 day scoping period. This scoping period included hosting 4 public workshops throughout the basin in June with numerous presentations to interested groups. The initial comment period was scheduled to end on August 12th; however, given the high interest in the plan, the RP extended the scoping comment period until August 27th. Some questions the RP would like citizens to look at in their comments include: What does natural resource restoration mean to you? How do you use natural resources in the Coeur d'Alene Basin? How would restoration impact you? Are there any specific projects you would like to see completed? The RP asks for you to contact Caj at (208) 582-4080, info@restorationpartnership.org, or visit the website at www.restorationpartnership.org.

Lake Management Plan Update (LMP): Laura Laumatia and Jamie Brunner gave an update on the activities of the LMP. The Lake-A-Syst manual is finished and the LMP team will be conducting informational meetings on the manual for the Spokane River, Cave Bay and Mica Bay. A hard copy and CDs of the manual were available for viewing and use. Becki Witherow has left IDEQ and they are currently in process of conducting new limnologist interviews. Coeur d'Alene Tribe hired Ben Scofield to work with Lake Aquatic Vegetation Program. Recently, proposals were solicited for development of a LMP website and the Coordinators hope to have the site "live" in September or October. They are busy getting ready for the North Idaho Fair. Dale Chess, Coeur d'Alene Tribe, is looking at a research project with the University of Idaho. This project will look at processes that impact transport and deposition of phosphorus across a watershed, and how interactions between nutrients and contaminants influence ecosystem services. LMP staff collaborated with IDL staff on a grant proposal to the USFS Western Competitive Grant program for Wolf Lodge, Fernan and Blue Creek watersheds, and is awaiting the response. The proposal would support watershed assessments and community action plans for sediment reduction for these watersheds. IDEQ has performed some aquatic vegetation survey in select bays and found Milfoil in Mica Bay.

Fill the Holes update: Bruce Schuld gave an update on what is now known as Community Fill Program. The program focuses on taking small quantities of ICP solid wastes and placing it in

depositional areas that may have the potential to be developed. The hope is to reduce the waste stream into the repositories. Currently guidelines are being developed for this program. A Plan and Fact Sheet should be completed by the August 14th BEIPC meeting. The draft programmatic and fact sheet should be out the week of July 29th. Bruce continued to outline the requirements for the program. Some of these include contaminated fill to be placed in a contaminated area, ICP requirements to be met, specific lead and arsenic levels will be determined, sampling requirements will be in place based on the size of the project, limit projects that interfere or could interfere with remedial projects, and records that will need to be maintained.

Announcements: The next BEIPC meeting will be on Aug 14nd at the Wallace Inn. The meeting includes a site visit tour in the afternoon. The CCC meeting will be held tonight, July 25th, at Rose Lake.

The next TLG face-to-face meeting is to be held on October 17th. The location is TBD.

Rebecca Stevens wanted to acknowledge all the hard work Jeri DeLange has done for IDEQ and the Basin Commission. Great Job Jeri!

Adjourn: As there was no further business, the meeting was adjourned at 4:16 pm.