

**SPECIAL EDITION - SPOTLIGHT ON THE PORTLAND TERMINAL***Message from the Regional Manager*

I'd like to thank everyone for their efforts to focus on safety in 2008. We saw an overall reduction in the severity of injuries in the West including both first aids as well as those regarded as OSHA recordable injuries. This accomplishment is clearly the result of everyone's desire to conduct work in a safe manner throughout the year. I've personally noticed an enormous improvement in the understanding of the intent behind using JSAs in the field and the quality of the discussions occurring at the job site. You all clearly understand the idea is to consider what could go wrong at a work location and focus the discussion on how to avoid the risk before it happens!

Be safe out there. Our 2009 Remediation Management Contractors HSSE Expectations meeting is scheduled for early March. Invitations will be issued subsequently.

– Chris Winsor, Regional Manager

**FROM THE FIELD . . .**

Spotlight on the Portland Terminal . . . *SOCs Minute* editor, May Marcinek, takes a visit to BP's Portland Terminal in Portland, Oregon, where BP Operations and RM are working on site together. See the writeup on page 2 for more information.

**Consider This . . .**

It's cold and flu season again. With holiday gatherings and cold weather bringing people inside and into confined areas, germs can spread very easily. Over the next few months, take time to listen to your body's symptoms. Often, you can prevent a small cold from developing further by confronting it early on. Be sure to get plenty of **sleep, drink lots of water, and take vitamin C** and zinc at the first signs of a cold. Also be sure to **wash or sanitize your hands** before and after meeting with people, to help prevent the spread of germs. This season can be a great time of bonding with family and friends, but be thoughtful as to how you can help yourself – and your loved ones – enjoy a safe, healthy winter season.

**Additional Resources**

**HSSE Bi-weekly communication** <http://rmhsse.bpglobal.com/communication/hsseiweeklycommunication/2009/>

**Shared Learning** <http://rmhsse.bpglobal.com/communication/sharedlearninglessonslearnedsafetycommunicationsuccessstories/>

**SOCs Minute Resource Site** <http://socs.dataaccel.com/> (user ID: socs, Password: safety)

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**Contractor's**

One of the most common, **serious safety hazards many of our field crews face is 3rd party traffic**. Over and over again, Traction reports are showing incidence of 3rd parties entering exclusion zones by foot or vehicle, driving through exclusion zones, and backing into protective barriers. Despite our increasing height and visibility requirements, 3rd parties are either not noticing, or conditioning themselves to pay attention only to those things they perceive as immediately harmful to themselves or their vehicles. Bright orange temporary fencing does not indicate harm to them, rather, it indicates "caution," and caution is a lower priority. One way that Cornerstone Environmental has found to counteract this and protect crews and job sites, is to utilize **temporary chain link panels**. Set on T-stands and **covered with high visibility orange cyclone fencing**, the mobile panels can be used around well heads and during trenching activities. While plastic barriers can be bumped, metal chain link scratches cars, prompting drivers to behave with more caution. Additionally, metal chain link is already associated with a "keep out" mindset, and when combined with the orange cyclone fencing, appears tall, highly visible, and more solid than other types of fencing, which may also serve to provide an additional mental barrier against pedestrians wandering thoughtlessly into exclusion zones. Eric James of CE has noticed a significant change in 3rd party behavior with the incorporation of chain link into CE's barrier systems. With these new systems, CE is able to **1) help 3rd parties see the exclusion zone** by surrounding it with high visibility cyclone fencing, and **2) encourage 3rd parties to stay out of the exclusion zone** by using something they would naturally choose to avoid, such as chain link fence.

**@Traction**

During November, **about one third of RM West's incident reports were related to driving safety**, and half of those were the result of risky third party driving. With shorter daylight hours and winter weather upon us, **take a moment to review defensive driving procedures** with your field teams.

## site activities

Remediation Management is involved in a revetment project at BP's Portland Terminal. An active terminal with the Alaskan pipeline running through it, the site also hosts BP Operations. In addition to monitoring groundwater and operating groundwater and SVE treatment systems, RM's big project is to replace an aging seawall, providing stability to the sloping site and preventing underground contamination from reaching the river. With several jobs going on at once, there are additional concerns related to water safety, as much of the work takes place between the elevated site and a sharp drop off into the river, and explosions and fire hazards, as product is piped, stored, and offloaded at the site. Teams of welders and excavators are situated between the new seawall and another temporary seawall protecting them from river traffic, on a concrete walled dirt platform just slightly above river height, and significantly lower than the Terminal. The teams utilize temporary boards to avoid sinking into the muck remaining to be excavated. While a team of welders works on installing the tiebacks through the new seawall, excavators are busy dredging up contaminated soil, mixing it with diatomaceous earth, and loading it into a dump truck. The dump truck transports it to the other end of the site where it is dumped and mixed with more DE to meet landfill regulations, and then loaded into larger trucks for transport to the landfill. Once the tiebacks are completed and the soil has been completely excavated, the external temporary seawall will be able to be removed and RM's involvement at the site will be cut back to groundwater monitoring and GW and SVE treatment. One of the biggest challenges face by the revetment team is the limited amount of space in which to perform the excavating and welding activities.



BP's Portland Terminal - seawall & excavators

## MediRedi

One of the newest HSSE projects for the Portland Terminal has been the implementation of a new preventative care program, the MediRedi (Medical Incident Readiness, Education, & Informational) Support System. The intent of the program is to prevent injury cases, provide real-time case management and assistance, and build training and awareness at all levels. Site personnel have contracted with WorkCare to provide case management of H&S incidents, preventative training has been provided to all personnel, and eye-glass case sized preventative supply kits are carried by all personnel on site. The supply kits include extra hearing protection, single doses of ibuprofen, bug repellent, sunscreen, and a pain relieving gel, as well as chapstick, sani-wipes, electrolyte drink mix, and a whistle, among other things. Due to the scope of severity of water and explosion hazards, four distinct whistle calls have been identified to communicate man in water, stop work, evacuation, and employee needs help. Additionally, site personnel carry 3 laminated, color coded cards: a red "emergency" card listing the MediRedi Hotline and personal medical information and emergency contacts, a yellow card describing the pre-incident and incident notification process and listing applicable chain of communication phone numbers, and a green card serving as a daily "fit-to-work" verification, detailing the employee's certifications. Each evening the green card is turned in to the supervisor, and each morning it is handed back to the employee after the supervisor has verified that the employee is well and fit for work. It is important to note that the MediRedi supply packs do not contain first aid supplies, but rather preventative care items. Personnel still need to follow all appropriate first aid reporting procedures, but now have preventative supplies at their immediate disposal.



Welders installing tiebacks along the seawall

## site safety

Various additional unique health and safety measures have been implemented at the site. With several different activities and multiple contractors and subs on site daily, and due to the size of the site, it can be hard to identify the nearest safety officer. In response to this, all safety officers from all companies now wear orange hard hats, and personnel have been informed to contact any of the "orange hats" should they need immediate HSSE advice or help. The site also has a policy of holding four safety meetings a day, with an early morning meeting for all, followed by crew specific morning, lunch/afternoon, and end of day safety meetings, during which time HSSE officers visit to obtain feedback from personnel. One of the earlier concerns faced by site management was getting workers to take breaks during warm weather. To encourage breaks and combat heat related illnesses, during warm months a freezer is now kept stocked with single serving ice creams and popsicles, with all contractors taking a turn at buying . . . and they've found it to work effectively.



Special thanks to all Portland Terminal personnel.