

Spotlight on JFK Airport

Message from Operations

Warmer weather brings the usual set of additional concerns when planning field activities. We can all recognize the need to consider things like heat stress, sun exposure, proper hydration, etc. when planning field work. However, we shouldn't overlook the fact that with warmer weather comes the **potential increase in biological activity (and hazards)** at our sites. Depending on the location of the site, our field crews can experience anything from ticks and spiders to alligators and bears. What to do about these biological hazards is a perfect topic for a **daily tailgate meeting**, but like all hazards, **to get out in front of the problem, nothing beats pre-planning.**

Education of the field staff is important. Some of our crews travel quite a distance to get to our work sites, so it's important to make sure they are **aware of what local biological hazards exist** at the given work site. **Understanding the preferred habitat** or environment for each given biological hazard is also important. Weather it is black widow spiders in well boxes or rattlesnakes in tall brush, field staff need to be able to **recognize the potential high risk locations on the site.** In some cases a little housekeeping can minimize or eliminate the habitat that attracts the hazards in the first place. Finally, the team should consider how the required work is implemented. Developing policies or procedures to **minimize exposure** to biological hazards and requiring additional PPE to protect against the hazard are also tools to consider.

Our sites can be homes to all types of biological hazards. **Knowing what might be there and planning ahead of time** are key to ensuring a safe and successful project. – *Jack Oman, BP RM PM*

FROM THE FIELD . . . This month's *From the Field* story focuses on a recent **system install and transformer upgrade at BP's JFK Airport site.** See page 2 for more information.

Consider This . . . Summer is here! With the many bar-be-cues, picnics and parties, and lack of a regular exercise regime, many people are **prone to weight gain. Keep healthy and fit**

this summer by **monitoring your intake of alcohol and fatty foods**, both of which are high calorie and **abundant at cookouts** and bar-be-cues; **sugary drinks** (electrolyte drinks as well as juice), as these contain more calories and offer less hydration than water; and **sweet treats** (fun on a hot day, but potentially high in fat and sugar). If you will be quitting the gym to go on vacation, **plan regular walks, hikes, bike rides, pool swims and pick-up games.** Summer is a great time to **relax and celebrate – but don't forget to take care of yourself!**

Additional Resources

BP RM HSSE Site <https://wss2.BP.com/remediationmanagement/HSSE/default.aspx>

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

To comment, inquire or obtain information on any item in this publication, or to submit an item for publication, please contact May Marcinek at mmarcinek@envirosolve.com, 818.889.0090, or Sergio Morescalchi at sergio.morescalchi@bp.com, 925.275.3807.

Contractor's

When RI work started up last year at the former Leviathan mine site in remote alpine California, tick incidents went up, so with a more robust RI program in place for this year, **discussions regarding tick awareness** and prevention began early on – “**literature research, talking to lots of people and extensive brainstorming** amongst the project team,” says AMEC PM, Marc Lombardi. Ticks climb to the ends of leaves or branches and attach themselves to hosts as the host brushes up against them. Therefore, before the weather warmed, **personnel cleared paths to the remote wooded and grassy** sampling locations to reduce the potential for tick encounters. Personnel are also reminded to try and avoid brushing against vegetation and to constantly check their clothing for unwanted pests. **Lightweight campstools and white tarps were also purchased and sprayed with the natural insecticide, pyrethrum**, for use during lengthy sampling events, to create a ground barrier, repel ticks, and more easily enable ticks to be seen. In addition to typical tick ID and prevention methods (light colored clothing, taped cuffs), clothing is sprayed with **DEET and/or pyrethrum** upon arrival to site. Additionally, personnel are instructed to **leave 3-4 feet of space between each other while hiking** to reduce the potential for slips trips and falls and to better enable keeping an eye out for ticks on each other's persons, especially their backs. Currently about 4-6 people work routinely in the grass and brush areas, but the site averages 30-35 people a day. Because the ticks can be transported via a host to all parts of the site including those areas devoid of grasses and brush, **everyone is briefed on tick prevention.** Tick prevention is included in site orientation, is the subject of multiple weekly briefings and reminders, and is addressed each time a tick is discovered on someone. **Tick removal kits** (containing an extraction tool and triple antibiotic cream) were also purchased and issued to all site personnel and visitors for use on site and to take home, as **ticks are often not discovered on one's person until off site** and back at home or the hotel. Out of 20+ tick encounters since April 16, only 1 has resulted in a bite. **Please consider and share with your teams.** – *Special thanks to Marc Lombardi, HSSE Officer Phil Thompson, BP RM PM Tony Brown, and Leviathan site personnel!*

@Traction

During the past 2 months (April and May), the number of Traction reports due to **biological hazards** (vegetation, insects, animals) has **dramatically increased**, as has the number of **incidents related to securing items properly** while on site or when preparing to leave site. **Ticks, bees, poison ivy, drum theft, exclusion zones and unsecured tools/equipment** were common themes, and may continue to be so as the summer unfolds. As work ramps up, please continue to **double check placement and security** of tools, equipment and locks to guard against theft, as well as ensure they will not fall on someone. **Further vegetation control and a second person** may also help control insect, tick, snake and 3rd party encounters.

Spotlight on JFK Airport

The Site

RM and contractor Envirotrac completed a very difficult **remediation system installation** at an active BP service station located on the grounds of JFK airport in NY this past June through October. The project included **installing seven wells** with a drill rig, **trenching 200 feet** using soft dig technology and **using a forklift to place a remedial compound** at the site. The risks involved in these tasks were **amplified by the volume of customers** coming onto the site to get gas, as JFK is a very busy airport.

After completing our installation of the new treatment system in October, the site owner, the NYNJ Port Authority (PA), determined that an **electric transformer would need to be upgraded** to accommodate the new system and operate the service station. The upgrade process was very involved, and was completed this past January through March.



Location of remediation system and transformer

Transformer Upgrade

Envirotrac (ET) worked with the PA, the BP Fuels Value Chain (FVC) Regional Account Executive for the JFK site (Sarita Thomas) and the station operator to **safely remove the existing transformer and replace it** with a new transformer.

Our RM team created an **eMOC** for this change, as well as a very **robust Work Risk Assessment Tool (WRAT)** for the task of removing/replacing the transformer, while the PA coordinated a very **robust Lock Out/Tag Out** process.

A technician from the PA deactivated the transformer by accessing a manhole in the street near our site. Once the "All Clear" sign was given, ET used a **generator to run the service station while the transformer work was performed**. The station was run by the generator for three weeks while the transformer was replaced and wired to the station and our treatment system.

ET provided **overnight supervision** of the generator for three weeks to **make sure no shut downs occurred**. Our WRAT was once again modified to address the risks of night work.

The PA returned to the site after three weeks and safely reactivated the new transformer that now runs our JFK site. This project highlights **the many risks RM faces in the retail arena (digging, lifting, drilling and LOTO)**, and illustrates our **HSSE tools** at work. We **installed both the system and transformer without incident**.



Tamping trenches



SVE manifold



New transformer

Special thanks to RM PM Nick Onufrak, Envirotrac PM Dan Ruffini, and the JFK team!