

To: Miner, Robert [REDACTED]@bp.com]
From: Stout, Robert [/O=MSXBP/OU=EXCHANGE ADMINISTRATIVE GROUP (FYDIBOHF23SPDLT)/CN=RECIPIENTS/CN=[REDACTED]]
Sent: Tue 14/03/2017 2:24:35 PM (UTC)
Subject: RE: Weekly report: RM, Wind, Petrochem, Shipping, L48

Would welcome getting these, Bob. Good form. Thanks a lot.

Bob Stout

Robert L. Stout, Jr.
Vice President & Head of Regulatory Affairs
BP America Communications & External Affairs

Office: [REDACTED]

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From: Miner, Robert
Sent: Tuesday, March 14, 2017 10:21 AM
To: Stout, Robert
Subject: FW: Weekly report: RM, Wind, Petrochem, Shipping, L48

I doubt you need more e-mails, but I noticed that Phil sends you his team's weekly report. I send mine to Poh, Mike, and Jim since they support my businesses. I also send to Mark since he sits on Joe's LT. If you would like these, I will certainly add you to the list. Also, happy NOT to add you if it's just one more e-mail a week you can live without.

Robert Miner
Senior Director
Communications & External Affairs
BP America
[REDACTED]@bp.com
[REDACTED] (cell)

From: Miner, Robert
Sent: Sunday, March 05, 2017 6:14 PM
To: Ellis, Joe; Genovese, Robert (BP) ([REDACTED]@bp.com); Folse, Laura; Sierra, Luis M; Johnson, Jeff (Shipping); Harvey, John; Nowobilski, Peter J; Cochrane, Phil; Cross, Iris M; Kidd, Bill; Thomas, Larry; Stultz, Mark; Chen, Matthew; Constantin, Dawn M; Degiusti, Stephen
Cc: Poulton, Teri (Consoldane); Viso, Maria Antonietta; Lanier, Hope; Rybarczyk, Ronald D; Bujano, Gil; Thompson, Mike; Killen, Patrick; Knaizer, Sam; Nazminia, Cameron; Clanton, Brett; Abendhoff, Michael R; Griest, Allison; Barnett, Paula G; Beach, Holly; Clark, Lena; Stutz, Rachel; Nolan, James; Brien, Michael P; Matthews, Jason; Walker, Ryan; Swink, Suzanne ([REDACTED]@bp.com); Hyland, Karen; van Hoogstraten, David Jan; Williams, Lance; Franceschi, Alexandra; Magruder, Kathleen ([REDACTED]@bp.com); Haubein, Jennifer; Gannon, Paul; Herrera, Roxana; Sitomer, Gabrielle; Smith, Chris D; Laney, Margaret D; Stalter, George; Akrawi, May; Stidman, Eric B.; Garifalos, Erin; Schubert, Eric; Myer, Bob C; Pirtle, Lisa; Hanson, Eric; Onadiji, Folasade; Williams, Erin
Subject: Weekly report: RM, Wind, Petrochem, Shipping, L48

Team development:

Nigel Jenvey from the Carbon Capture Utilization and Storage team in Group Technology will speak to our team on March 10th about carbon capture technology improvements and potential opportunities for BP to commercialize those technologies, including opportunities related to Lower 48, Petrochemicals and Remediation Management.

Ron Rybarczyk reached out to Janice Raburn with BP Fuels to invite her to provide an overview of fuels issues to our team, including regulations, seasonal blends, and challenges and opportunities the Fuels business faces. The team is targeting late March for that presentation.

Carbon Capture Utilization and Storage (CCUS): Miner met with Nigel Jenvey to learn more about potential projects for the business. Based on the conversation, Miner connected Jenvey with Phil Cochrane to discuss Fuels issues,

reached out to Lower 48 to understand the potential for using the technology in Wyoming, linked him to Petrochemicals to explore how carbon capture could benefit the rollout of PTAir, and reached out to Remediation Management regarding an available propane cavern.

Environmental Council of the States: Miner will attend the ECOS spring meeting and participate in a panel on engaging the community on environmental issues.

MO Governor: Cochrane, Stultz and Miner discussed potential ways to begin to develop a relationship with new Missouri Republican Governor Eric Greitens. Miner and Wolf will follow up to begin to develop a relationship.

Remediation Management

Objective: Support consent decree negotiations in Anaconda and Butte

Cord Harris from Remediation Management and Jean Martin from Legal joined a cross-functional team from C&EA to brainstorm new ideas on building and activating allies and advocates for Atlantic Richfield's position, find alternatives to Montana Standard's biased coverage of Superfund issues, and think through stakeholder engagement. The social and digital media team will investigate key influencers in Butte and Anaconda and the team will activate advocates and allies through social media channels. The Press Office will look to encourage positive stories on The Dutchman, with an emphasis on media other than The Montana Standard. Among other ideas, the team will evaluate further the use of focus groups to better define messages, as well as ways to further leverage key stakeholders.

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Other:

Port of Paulsboro Marine Terminal: Ron Rybarczyk and Maria Viso helped Patricia Gallery prepare to represent BP at this week's grand opening of the new Port of Paulsboro Marine Terminal, the first new port built on the Delaware River in 50 years. Gallery, Steve Gonzalski, and Rybarczyk all attended the event, and Gallery was one of the featured speakers. More than 200 people attended the grand opening, and the ceremony drew the attention of major media outlets including the Philadelphia Inquirer newspaper and network-affiliated television news crews in Philadelphia. BP was highlighted positively in the Philadelphia Inquirer story, which the social media team retweeted. The social media team is planning further follow-up on the port opening. Several of the speakers directly thanked BP for our role in helping make our former fuel terminal property available for reuse as a new major marine port terminal. Gallery was interviewed for a local cable access news program

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Redacted - First Amendment

Sugar Creek litigation: Ron Rybarczyk was in Sugar Creek this week to help BP's legal defense team interview another prospective witness, reach out to another, and gather additional information to support the legal team's efforts. BP is preparing its defense in the first of two personal injury lawsuits pending in Jackson County, Mo. This first suit alleges that contamination from Amoco's former refinery in Sugar Creek contributed to the plaintiff developing a form of leukemia.

Montclair, NJ: The owner of this former gas station has throughout the years indicated he is interested in having his television producer friend do a story on the lengthy remediation timeframe relating to his property. He has indicated the same in past years, but has not done so. He once again is discussing this idea. The Press Office and C&EA are aware. BP does not own the property, so cannot stop them from filming on the site, but BP will not participate in the story.

Snow Geese mitigation: The AP and the Montana Standard ran articles on proposals for strengthening the snow geese mitigation plan. AP story is in full below.

http://mtstandard.com/natural-resources/superfund/epa-ok-s-new-technologies-to-keep-birds-off-berkeley/article_7caa533e-c8be-59a6-b96e-59a18b036069.html

East Chicago: Area media ran articles on upcoming USEPA action in East Chicago. NWI Times article in full below.

See additional bullets relevant to RM below in the Shipping and Alternative Energy reports.

BP Wind Energy

Objective: Maximize external benefit of repower plan, if executed.

Objective: Support optimization efforts, scout opportunities and identify potential partners and off-takers

Objective: Re-engage with the larger Wind industry and increase significance of BPWE within it

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Objective: Maximize reputational benefit of BPWE to BP America

Poulton shared photos from the Cedar Creek 2 wind farm and Prairie School with US Comms. The school received community investment funds late last year from C&EA and uses those funds toward STEM-related activities for their PK-12 students. C&EA will leverage social media to promote BP's wind business and community investment with a variety of stakeholders, including those specific to Colorado.

Objective: Support development of global AE strategy

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Petrochemicals

Cooper River

OBJECTIVE: Mitigate the impact of development adjacent to the Cooper River Plant, including passage of manufacturing liability protection legislation.

- H 3653, the Manufacturing Liability Protection Bill, passed unanimously out of the full House Labor, Commerce and Industry (LCI) Committee on Thursday, paving the way for consideration by the full House as early as next week. While there was strong bipartisan support in committee, we anticipate pushback by some legislators on behalf of the Trial Lawyers and Environmental Groups on the House Floor and are working to shore up the votes necessary for passage.
- The Senate version of this bill will be heard in a Senate LCI Subcommittee next Wednesday, and if passed, could be on the agenda in full Senate LCI Committee on Thursday morning.

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Other activities:

Petrochemicals re-organization announcement: Freeman coordinated with the communications team, press office and federal team to identify and notify a small group of key stakeholders about the petrochemicals reorganization and its impacts at Cooper River announced as part of Wednesday’s global town hall meetings. Outreach included conversations with top staff for Senator Larry Grooms, who represents the plant, SCMA leadership, the Berkeley County Chamber and the SC Chamber of Commerce. All were appreciative of the heads up and are working with us to alert as to any rumblings they may hear from media, lawmakers or otherwise about the job losses that are a part of this effort to make the business even more competitive for the long term. We identified a broader group for “as needed” outreach, but have not had any indications that further communication is needed.

BP Cooper River Safety Ad: Freeman worked with Marika Michaels and members of the Cooper River LT to ensure that the announcements this week would not inhibit the roll out of the new BP Safety ad, featuring employee Bob Gilbert. The ad is scheduled to roll out this month.

HR Engagement: Freeman has reached out to the Lowcountry Manufacturers Council, an affiliate of SCMA, to discuss the possibility of establishing an HR Managers Roundtable for networking, information sharing, workforce development discussions, etc. This was done at the request of new BP Cooper River HR Manager Martha Ontiveros who found similar engagement extremely helpful during her tenure in Alaska. LMC leaders have committed to bringing together a group of HR professionals representing member companies for an initial meeting to determine interest and assess opportunities. We expect to hear more from LMC in the next couple of weeks.

Transportation Legislation: The SC House voted 97-18 to approve a comprehensive infrastructure funding bill that would generate \$600 million/year for an infrastructure maintenance fund dedicated to the repair of the state’s existing roads and bridges. The bill would phase in a \$0.10/gallon gas tax increase over five years, increase the sales tax cap on vehicles from \$300 to \$500, and implement fees on hybrid and electric vehicles and the registration of out of state vehicles. The state needs an additional \$1.1 billion per year for the next 23 years to bring all existing roads to a state of good repair. The state’s gas tax is the second lowest in the country (behind only Alaska) and has not be increased since 1987.

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Mx-2 (Metaxylene Unit 2) expansion permit: The Texas Commission on Environmental Quality this week issued the necessary permit for the upcoming expansion of the Mx-2 unit at TCC.

Shipping

Osprey Award: Shipping (US) is seeking approval from its leadership to submit an application for the prestigious Osprey Award from the U.S. Coast Guard that is given periodically for exceptional shipping businesses. The new ship build program provides a good opportunity to highlight the business. The application must be submitted in November 2017 with the winner named in early 2018. C&EA has agreed to support with the development and writing of the application and will seek additional uses for the information on BP channels.

Coast Guard Museum sponsorship: Cross, Miner and Jeff Johnson met with representatives of the Coast Guard Museum Foundation to get an update on progress for the museum, as well as further details on sponsorship opportunities.

Shipping Technology: Following a conversation among Lambros Klaoudatos, Jeff Johnson and Miner regarding issues with snow geese mitigation at Berkeley Pit, Klaoudatos offered the services of the Shipping Technology group to work on issues related to the impact of cold temperatures on remotely controlled boats and drones. Miner connected Klaoudatos with the Butte, Montana team.

Co-location: The C&EA team supporting Shipping will begin using hot desks at the Shipping office to increase connectivity and develop internal relationships with the business.

Lower 48

Lower 48 town hall: Thanks to Dave Lawler's invitation, about eight members of C&EA attended a Lower 48 Town Hall in person and many more on Skype that featured educator Nadia Lopez as a guest speaker. The communications team interviewed Lawler and Chief of Staff Laura Leffler about L48's engagement with the Brooklyn school which Lopez founded and the work it is doing to encourage its employees to be "change agents" in their workplace and their communities, as well as how initiatives like this and the upcoming move to Denver are designed to attract and retain high-performing millennials. The team is considering uses the information in a variety of BP communications channels, including LinkedIn and Facebook. The team tweeted about the Lopez talk on Monday. Miner and Austin Staton also discussed with Leffler further communications on how innovation is driving performance at L48 drilling sites.

Texas Energy Day: L48 employees will join the larger BP America team at the upcoming Texas Energy Day in Austin.

Calendar

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|---------------------|--|
| March 6: | NMOGA Communications Committee (Killen to participate) |
| March 6: | Annual WOGCC meeting (Nazminia to participate) |
| March 7: | NMOGA Legislative Affairs Committee (Killen to participate) |
| March 8: | Texas Chemical Council Day at the Capitol (Viso, Barnett and Cross to participate) |
| March 8: | BLM Leasing Unites Workshop (Nazminia to participate) |
| March 8: | Wyoming Energy Alliance Wyoming conference call (Nazminia to participate) |
| March 7-8 | TXOGA Board Meeting in Austin |
| March 9: | Colorado Petroleum Council State of Energy in Colorado (Knaizer to attend) |
| March 15: | SC Governors School for Science and Math "Townes with a Twist" event (James Shively is on the Board of Directors, BP is a sponsor of the event and Freeman will support) |
| March 22: | Texas Energy Day at the Capitol, Viso, Cross, Bujano and Barnett to support |
| March 22: | BP Day at the South Carolina Statehouse, Lanier to support |
| March 23-24: | SCMA Annual Meeting, Charleston, SC. BP is a sponsor and Freeman serves on the Board. Freeman and Cooper River LT members will attend. |
| March 30: | SC Chamber of Commerce Safety Awards, Columbia, SC (Freeman to support) |
| April 4: | SC Chamber of Commerce Washington fly-in and evening reception hosted by BP's DC office (Freeman to lead supported by DC office) |
| April 6-7: | ECOS Spring Meeting, Miner to attend and participate on a panel |
| April 18-19: | PTSD River Challenge overnight at BP Cooper River (supported by the Cooper River Veterans BRG) |
| April 26: | SC Legislative Women's Caucus – Jean Laney Harris luncheon (Freeman to support) |
| May 16 (tentative): | BP Cooper River \$200 million infrastructure celebration with the media and external stakeholders (Freeman to lead with Abendhoff and Miner to support) |
| May 22-24: | API Southeast Conference in Charleston, Ellis, Miner and Lanier to attend |

Cannons, laser, radars planned to keep birds from toxic pit

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By Matt Volz
Associated Press
March 2, 2017

After thousands of snow geese died in the toxic water of a former open-pit mine in Montana last fall, the companies responsible for the pit are bringing out the big guns. Literally.

Montana Resources and BP-owned Atlantic Richfield Co. are proposing to use four propane cannons on tripods that would be triggered by long-range motion sensors as one additional measure to scare birds away from the Berkeley Pit during the spring migration.

Also in the plan are radars, air and water drones and strategically positioned lasers that would create a "net" across the pit and deter the birds from landing in the metal-laden water.

The companies want to test those and other technologies during the spring migration period that began Wednesday to prevent another mass bird death like the one that happened in November. Then, 3,000 to 4,000 snow geese died after a snowstorm drove them to seek refuge in the metal-laden water, and the deterrent technology already in place wasn't enough to keep them away.

"It gives us much greater capabilities than we previously had to affect the outcome if another unprecedented event such as this occurs in the future," said Mark Thompson, Montana Resources' environmental affairs manager, of the proposed technology.

The plan is outlined in a memo submitted last month to federal environmental and wildlife officials, which must approve it. If the measures are successful, the companies plan to incorporate some or all of the new technology into their permanent program to keep the birds out of the Berkeley Pit.

The open-pit copper mine stopped operating in the 1980s and is now filled with 50 billion gallons of toxic water drained from the thousands of miles of underground tunnels that lie beneath Butte, once a world leader in copper mining. The Berkeley Pit is now part of the nation's largest Superfund site.

Montana Resources, which operates an adjacent open-pit copper mine, began a waterfowl deterrent program for the Berkeley Pit back in 1995, when 342 snow geese died after landing on the water. The measures included speakers that emit different sounds at random times to scare birds away.

Montana Resources also was fined \$30,000 for the 1995 deaths. An investigation is still underway into last fall's deaths, and it has not been determined whether the company will face penalties, U.S. Fish and Wildlife spokesman Ryan Moehring said.

Moehring did not have an immediate comment on whether the new plan would be approved or when.

Some of the proposed technology may not be used even if approval is granted. For example, use of the laser net across the pit and other lasers to shine at approaching birds would require a permit or a waiver by the Federal Aviation Administration, Thompson said.

"The power of the lasers we need right now is something beyond what anybody can buy," he said. "They're highly sensitive to green laser beams."

It's also unclear whether a radar system would work to protect a pit that is 200 feet below where the radar would be set up, Thompson added.

Montana Resources previously tried using a remote-controlled boat to scare birds that land on the water, but its battery died in frigid temperatures and the boat is still floating powerless in the pit. Likewise, a battery controlled air drone used to count the number of dead birds had limitations because the battery kept dying, Moehring said.

The new air and water drones would be gas powered, eliminating the battery problem and adding more noise to frighten the birds, Thompson said.

The cost of the new technology has not been determined, since several items, such as the radar system, will be used at the pit as demonstrations by vendors that the companies will only buy if they are effective, he said.

EPA plans to start excavation at Superfund site in April

By Sarah Reese
NWI Times
March 3, 2017

The EPA said Friday it plans to resume excavation of lead- and arsenic-contaminated soil from around homes in the USS Lead Superfund site in mid-April.

The Environmental Protection Agency in December suspended excavation activities for winter, after cleaning up 17 properties in zone 2 and 38 properties in zone 3. The Superfund site includes three residential cleanup zones in the city's Calumet neighborhood.

According to a fact sheet issued in December, the agency plans to dig up and replace soil at an additional 200 additional properties in zone 3 starting this spring.

The agency is still sampling soil in zone 2, and the fact sheet did not include a number of properties expected to be excavated this year.

EPA also has been taking indoor dust samples at homes in zones 2 and 3.

The agency cleaned the inside of 14 properties in zone 2 following excavation. Funding for indoor dust cleaning in zone 3 has not been identified, but EPA is in discussions with the responsible parties to fund the service, the agency said.

The state and federal government reached a \$26 million settlement in 2014 with Atlantic Richfield and DuPont for the environmental cleanup in zones 1 and 3. Zone 1 encompasses the West Calumet Housing Complex and former Carrie Gosch Elementary School, while zone 3 includes homes in East Calumet.

EPA has been funding emergency cleanup efforts in zone 2, the middle part of Calumet, which was not included in the 2014 settlement.

EPA said Friday its groundwater expert is still reviewing all data from the area, including data from the Chemours facility to the south of East Calumet. The agency will determine its next steps after the review is complete, a statement said.

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