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Subject: FW: Superior Update - One Month Review 05-26-18
Date: Sunday, May 27, 2018 2:49:26 PM
Attachments: [Husky Superior Refinery Community Update - 1 month FINAL 05-25-18.docx](#)

FYI. Let me know if you have any questions.

Thanks,

Sean

From: Mel Duvall
Sent: Saturday, May 26, 2018 10:05 AM
To: Kim Guttormson; Tony Rino; Amy Nusbaum; Adam Sparkes; John Obery; Sean Lott; Becki Meyers; John M OBrien
Cc: Janet Annesley; Carla Yuill; Dan Cuthbertson; Rob Knowles; Jeff Gabert; Tim Peper; Dean Barisow; Roberto Benzan; Helmut Streblow; Joey Norton; Mel Duvall; Elizabeth Westersund
Subject: Superior Update - One Month Review 05-26-18

Attached is the one month progress update for the Superior Refinery. Please distribute to your respective contacts.

Kim and Tony, the update has now received all approvals. It may be posted online.

Mel

Husky Superior Refinery Community Update – May 26, 2018

The Husky Superior Refinery will hold a community update and open house on Tuesday June 5th from 4:30 to 8 p.m. at the Superior Middle School, 3625 Hammond Ave. Superior Refinery representatives, as well as experts from county, state and federal agencies will be on hand to answer questions on a variety of topics, including the current status at the refinery and the path ahead, and to address concerns related to health, air, water, soil and more.

One Month Update

Husky Energy continues to work with the community, government agencies and its employees to recover. Working in partnership with community leadership, municipal, state and federal agencies, we continue to make progress towards the goal of securing and stabilizing the refinery. This progress report for the community is intended to keep Superior stakeholders apprised of ongoing safety requirements, environmental mitigation, recovery efforts and environmental monitoring results.

It has been one month since the initial fire on April 26th, and while substantial work still needs to take place to secure and stabilize the site, the passing of one month provides an opportunity to summarize activities to date.

The initial fire knocked out electricity to most areas of the refinery site. Over the past month, crews have been able to systematically secure buildings and processing units and safely restore power. Most areas of the refinery, including such key operations areas as the wastewater treatment plant, administration and maintenance buildings, and various control centers have been reenergized. This also includes restoring lighting to the Federal Aviation Administration lights on the boiler stack and restoring the automatic electric firefighting systems. The automatic fire fighting systems were operating on backup diesel generated power, but are now on the primary electricity-powered system. Only a few smaller buildings, which are in the area restricted for further investigation, remain to have power restored. In addition, power has been disconnected from the damaged processing units to ensure they cannot be inadvertently energized.

Crews have been making steady progress in removing asphalt that had been spilled from a tank breached in the initial incident. Approximately 65,360 square feet of asphalt, or about 642 tons, has

now been removed. Work continues to remove the remainder of the asphalt on site, with about 40 percent of the covered area now cleared.

Approximately 400 employees and contractors are at the refinery site daily, and about 50 continue to staff the Emergency Operations Center on Hammond Avenue in Superior. Approximately 10 workers are in the community, performing such tasks as air monitoring, claims processing and debris cleanup.

Work to de-inventory hydrocarbons from various processing units on site continues. Approximately 5 of 14 de-inventory programs are now completed. This includes the benzene reduction unit, green gas unit, FCC main column receiver, and propane treater/sand filter. Ammonia and chlorine on site have been also removed.

A large crane arrived on site earlier in the month to secure a tower which was damaged in the initial incident and was leaning. The tower has been secured and hydrocarbons are being removed. Once completed, the tower will be removed.

Stinson Avenue has been reopened to regular traffic. Residents using the road should be aware that there may occasionally be a need for temporary road closures to accommodate work on site.

The company continues to maintain a toll-free 24-hour residents' line to assist with claims related to the incident, such as accommodation or transportation, and other supports, including access to counselling. The toll-free number is: 1-855-527-5002. A liability waiver is only required for injury claims and only once a satisfactory settlement has been reached. The standard release is now available on the company's website. However, different release forms may be used to fit specific needs and situations.

As of Saturday morning, May 26, approximately 2,781 claims had been received. Approximately 2,000 claims are now closed and good progress is being made in addressing the remaining claims. In many cases, we have been able to issue payments by direct deposit, or via check with claims adjusters on site at a local hotel.

Environmental Overview

We continue to cooperate fully with environmental and regulatory agencies, such as the US Environmental Protection Agency (EPA) and the Wisconsin Department of Natural Resources (WDNR), which are conducting independent responses to the incident.

Air

The company continues environmental monitoring at the refinery and around the community. There are 26 fixed monitors placed on the fence line, encircling the facility. Within the refinery, fixed monitors are being supplemented by mobile monitoring as hydrocarbon removal proceeds. Two mobile air monitoring teams are continuously collecting air quality data in the community.

In addition to monitoring conducted by the US EPA, the company's environmental consultant has collected more than 20 million air quality readings in the community and at the refinery. This past week, air quality monitoring was conducted at approximately 5,600 individual locations in the community. None of the monitoring has shown concentrations above health-based thresholds. The results of this community monitoring program can be found on the Douglas County Department of Health and Human Services website.

To date, the EPA has not identified visible community soot deposition from the incident. The Douglas County Department of Health and Human Services has prepared an update regarding soil and gardening health information, which is also available on its website.

Water

Water collected during firefighting is being contained within the refinery's storm water and fire water containment system. Water is now being treated within the wastewater treatment plant, which is an important step in our management of water retained on site. The company is regularly collecting surface water samples from the onsite storm water ponds, and at multiple locations along the length of Newton Creek. Booms will continue to be used as a precautionary measure to help contain any unexpected discharge. Water samples collected post-incident to date are comparable to baseline samples collected before the incident under normal refinery operating conditions, with the exception of trace amounts of chemical components found in firefighting foam collectively known as Perfluoroalkyl Sulfonate (PFAS). A PFAS treatment plan is in development with WDNR. Specialized carbon treatment and resin units arrived on site this week and are now tied into the water treatment system. Samples have been sent to a laboratory to test the efficacy of the carbon and resin

treatment systems for addressing PFAS and results are expected soon. We will seek approval from the WDNR before discharging the treated water from this system.

Wildlife

Protections and deterrents for wildlife, including fencing, flagging and canine patrols, continue to be implemented as part of the response. An additional deterrent measure was implemented this week to further deter birds. A laser light system, which uses a programmed pattern with lasers mounted on tripods, will be deployed next week. The laser movements have proven successful in deterring birds, particularly at night. An animal rehabilitation facility has been authorized by U.S. Fish and Wildlife Service and set up on site to treat wildlife impacted by the incident. Wildlife fatalities to date are one common grackle, one crow, one small unidentified bird, one weasel and two frogs. Two oiled mallards and one goose were successfully treated and cleaned in the facility and were released at the Douglas County Wildlife Area Friday afternoon. The three birds were observed calmly leaving their pens and entering the marsh. Two additional geese are now receiving treatment and will be released upon completion.

Debris

Collection of debris outside the fence line from the refinery incident is largely complete.

If you have debris on your property that you believe is associated with the refinery, please contact us at the toll-free number: 1-855-527-5002. We will continue to collect this material as it is identified.

Superior Refining Company LLC is the owner and operator of the refinery located in Superior Wisconsin, and does business under the licensed and registered trade name "Husky Energy".