

# ***SUPERIOR REFINERY***

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## **Community Advisory Panel**

*sponsored by Murphy Oil USA, Inc.*

**Murphy Oil USA, Inc  
Superior Refinery Community Advisory Panel  
Bong Memorial Center and Museum  
June 8, 2006**

**Attending:** Connie Antonuk, Charlie Glazman, Pat Heiser, Jim Kehoe, Keith Kesler, Carol Lindberg, Sarah Matheson, Tad Matheson, Fariba Pendleton, Kaye Tenerelli, Diane Thompson

**Guests:** Sarah Hanhan, Makayla Michael, Aaron Paske, Amy Michael

**Superior Refinery:** Dave Podratz, Dave Beattie, Liz Lundmark, Corey Mead, Ed Smith

**Facilitation and Minutes:** John McPherson, Ann Green Communications, Inc.

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The June 8, 2006 meeting of the Murphy Oil Superior Refinery Community Advisory Panel was called to order at 6:00 p.m. by facilitator John McPherson. The meeting was held in the conference room of the Bong Center. John introduced guests Sarah Hanhan, teacher at Bryant Elementary School, and two of her students: Makayla Michael and Aaron Paske, as well as Makayla's mother, Amy Michael. Guest speaker Ed Smith, Safety Supervisor at the Superior Refinery, was also introduced.

John reviewed the meeting agenda, the Team Agreement and the Panel Expectations. Minutes of the May meeting were approved as recorded.

### **Mini Grant Presentation**

Sarah Hanhan and two of her fifth grade students at Bryant Elementary School, Makayla Michael and Aaron Paske, made a presentation to the CAP. Teachers at Bryant Elementary used a CAP mini grant to help sponsor students participation in the Water Watch program, including a trip on the L.L. Smith.

The overall curriculum was developed by Sarah and other teachers several years ago. The curriculum is designed to provide in-depth study into various aspects of life in the Superior and Great Lakes Basins and their tributaries over the course of several years in elementary school.

The fifth grade course of study focuses on Lake Superior itself. The Water Watch program begins by addressing the issue of how much fresh water is available in the world. Students learn how water becomes polluted and visit the Superior waste water treatment plant for a tour and a visit with Diane Thompson. After these lessons, students are posed the question: "Is Lake Superior Healthy?".

Students are introduced to the chemistry and biology of the lake, as well as methods of research. The program culminates with a trip on the University of Wisconsin research vessel L.L. Smith, Jr. Students meet with U-W professor Sue O'Halleron, who helped write a grant that underwrites student participation in the program. Sarah Hanhan noted that this grant expires this year, jeopardizing the future of the program.

Students Makayla Michael and Aaron Paske enthusiastically reported on their studies, the journey on the L.L. Smith and their eventual findings, which were that Lake Superior is a healthy lake.

## **Refinery Report**

Dave Podratz reported for Murphy Oil, Inc and the Superior Refinery. A copy of Dave's report is included with these minutes, summarized as follows:

*Environment:* May was the second month in 2006 with a perfect environmental record. The second audit of the refinery leak detection system is underway. The refinery had its annual spill response program in May. Keith Kessler, who participated in the program, said it was obvious to him that there was a high level of preparedness and training at the refinery. The refinery donated 100 trees to the city tree-planting program.

*Safety:* There were no lost time, recordable or first aid injuries in May. The refinery just completed two years without a lost time injury. There were four safety incidents to review:

1. While welding and grinding was being performed in a reactor vessel, sparks ignited material on the bottom of the vessel.
2. During a startup operation, bolts on a heat exchanger leaked; a fire crew was dispatched to foam and contain leaking material to prevent fire.
3. While clearing naphtha tanks some of the scale material from the tank was left on scaffold boards. The material, Iron Sulfide, dried and spontaneously ignited.

Procedures will be changed as a result of this incident, as it was not known the naphtha contained enough sulfur to create iron sulfide scale, rather than the expected iron oxide scale.

4. Corrosion caused a hole in the heater of an asphalt tank. The asphalt leaked into the heater and was ignited by the natural gas flame inside; this was easily extinguished by turning off the flame. However, the asphalt continued leaking through the hole, which was quite large. The tank had to be pumped dry to stop the leak and repair the problem.

*Operations:* The refinery is running at full capacity, with high very charge rates. Product demand continues to be very high.

The Superior Refinery was the recipient of the Business Friends of the Environment Award from Wisconsin Environmental Working Group. Information on this award is included with these minutes.

The Superior Refinery received the National Petroleum Refiners Award for safety. Details are included with these minutes in a Press Release prepared by the Refinery to announce the outstanding safety record at the facility, as suggest by CAP members in previous meetings.

Dave Podratz reported on the stipulated settlement penalties the refinery will be paying under the 2005 agreement with the Wisconsin DNR and EPA. Information is included with these minutes. Dave reviewed the ongoing improvement in air quality and significant reduction in emissions over the last several quarters.

Dave Podratz reported on an extensive story about the refinery in the *Milwaukee Journal*, printed as a segment of a series on the impact of the Alberta Oil Sands on Wisconsin. A copy of the *Journal* story is included with these minutes.

The CAP also reviewed a story in the *Superior Telegram* about the keynote speech given to the Superior Development Association by Murphy Oil's Ernie Cagle. A copy of this story is also provided with these minutes.

### **Review - Newton Creek Cleanup**

Dave Podratz and Charlie Glazman reported on the Newton Creek Cleanup project. About 30 people, including Charlie Glazman and Bob Browne divided the creek into five sections for cleanup. The cleanup took about two hours overall. About 30 large bags of garbage were collected, as well as tires, golf clubs, lawn mower, bicycles and about a month's worth of bundles of the weekly shopper newspaper.

**Presentation – Refinery Safety and Health Process**

Ed Smith, Superior Refinery Safety Supervisor, made a presentation about the Structured Safety Management system in place at the refinery, credited with the exceptional safety record at the facility. A copy of Ed's presentation, as well as related materials, is included with these minutes.

**Next Meeting**

The next meeting of the will be held Thursday, August 10. (There is no July meeting). The meeting will be held at the Refinery Firehouse, where members will tour the new facility and see the new emergency equipment.

Following presentations and discussion the June 2006 meeting of the Murphy Oil, Inc Superior Refinery CAP adjourned at 8:00 p.m. CDT.

**Next Meeting:**

**Refinery Firehouse Tour  
Superior Refinery  
Thursday, August 10, 2006  
Dinner - 5:30 p.m. CDT  
Meeting - 6:00 p.m. CDT**