



Community Advisory Panel

MONDAY, MAY 21, 2007

MINUTES

The Dow Community Advisory Panel met on Monday, May 21, 2007 at 6:00 p.m. at the Dow Conference Center. The following persons attended the meeting:

CAP Members

Ms. Scarlet Callicoatte
Ms. Emma Davis
Ms. Shelley Delapasse
Mr. Earnest Grant
Mr. Huey Gray
Mr. Mickey Rivet
Mr. Raymond Smith, Jr.
Mr. Daniel Stoute
Mr. Gerald Trent
Mr. Jeff Wille

Dow Personnel

Mr. Lee Trusty
Mr. Dennis Davis
Ms. Stacey Chiasson
Ms. Fran Comeaux

Facilitation Team

Tim Johnson, Facilitator
Nancy Campanella, Recorder

Also attending were Mr. Larry Locicero and Mr. Isaac Patterson with INEOS. Panel members, Ms. Carolyn Brown, Mr. Bill Cooper, Ms. Juanita Hill, and Mr. Gerald Wilson, were unable to attend the meeting. After the facilitator welcomed everyone, the panel approved the April 16, 2007 CAP meeting minutes, as written.

INEOS' Risk Management Plan Presentation

Mr. Larry Locicero, representing INEOS, stated that the company has been privately owned since 2001. INEOS purchased the ethanolamine plant, which is located inside the Dow site after Dow purchased Union Carbide and was required to sell some of its assets. The plant is small, with 43 employees and 21 contractors, and produces ethanolamine (used in treated lumber, weed killers, detergents, and power drinks), glycol ethers (used in latex solvents, paints, and household cleaners), and polyglycols (used in food grade products, toothpaste, coatings for paintballs). Dow built the plant in 1979. About ½ of the INEOS employees at the site are former Dow employees with the same principals and guidelines for business. Safety and the environment are both high priorities at INEOS. The plant is located ½ mile from LA 1 and 1-1/2 miles from the river. Raw materials used in the INEOS process are ammonia, chlorine, ethylene oxide, propylene, and methanol (all shipped via pipe) and ethanol (shipped by barge or stored in offsite tanks). These chemicals, in their liquid forms, will stay near the tank if they should spill. INEOS' main concerns are flammability and carcinogens. These chemicals in their natural states are gases, which have the highest potential to get outside the fence line; and ammonia and chlorine burn. INEOS treats all of these chemicals with respect and continually evaluates their risks to protect INEOS employees and the community. The chemicals go through a detailed analysis, and a system is designed taking into account maintenance and mitigation procedures should mitigation become necessary.

Mr. Locicero explained INEOS' lines of defense as follows:

1. **Hazard Analysis.** As part of the hazard analysis, operators, technicians, engineers, and managers look at all the plant's pipes to determine what could go wrong so they will be able to address the potential problems. Then pre-start-up audits are done. A variety of employees look at the system to determine whether it was installed properly and then tests it without chemicals. Consultants are brought in to review the procedures.
2. **Well-Designed System.** INEOS upholds Dow's strict specifications plus its own strict specifications in some areas. The system has state-of-the art controls and shutdown system with redundant backup. The system was upgraded in 2003.
3. **Maintenance Programs.** The major reason for a shutdown is to complete safety inspections and testing. When something breaks, INEOS repairs it, and then completes a root analysis to determine the cause of the break. INEOS has a detection and mitigation program in place that includes deluge systems, pre-built clamps for areas that are more prone to break, NH₃ detection sensors grids, fire detection grids, and upgraded shutdowns. Additionally, INEOS will install an NH₃ pipeline that will eliminate the need for 500 railcars and will reduce the storage levels in the spheres. Emergency responders at Dow and INEOS are well trained.

Ammonia is the biggest safety concern at INEOS. INEOS' grid covers the areas where ammonia can leak and can detect diluted household ammonia to 15 times. Mr. Locicero then explained INEOS' worst case scenario, stating that the site has had no RMP releases in 25 years and does all it can to reduce the likelihood of any releases.

Should there be an incident, the following steps are taken.

1. INEOS will notify Dow's ESS, the Office of State Police, the Iberville Parish Sheriff's Office, and the Office of Emergency Preparedness (as necessary).
2. Dow's ESS and INEOS' trained personnel respond to contain and mitigate.
3. Government officials are called in if necessary.
4. Area residents are reached via autodialing, cable, and radio.
5. Access to the area is restricted.
6. If necessary, area residents are asked to shelter-in-place.

After the root cause is determined, a final report is sent to the Office of State Police.

Answers to Questions and Comments Included the Following:

1. HazOps are an OSHA PSM requirement and are done every 3 years (the last completed in December 2006).
2. All procedures are reviewed by breaking down the list for review and then performing a management of change process to ensure that the procedures are applicable. If a procedure does not work, workers must let someone know so that it can be changed.
3. A panel member stated that she liked the decreased potential of ammonia leaks through the use of a pipeline.
4. Ammonia tank cars are evacuated to their lowest vapor stage and then sent to an outside facility for further cleaning.

5. Personnel are equipped with the proper tools and PPE to address and repair leaks in railcars. INEOS self-reports and gains credibility when making reports and repairs.
6. INEOS has a contract with Dow for emergency and security services. If both companies fulfill their obligations, INEOS is responsible for spills on the Dow site, and Dow and INEOS are responsible for their own plants.
7. Trains delivering raw materials to INEOS carry materials for INEOS, Dow, and other plants onboard. Railcars and their containment are heavily regulated.

Dow's 2015 EH&S Sustainability Goals

Mr. Davis provided the following information on Dow's 2015 sustainability goals, stating that Dow completed its 2005 goals dealing with safety, motor vehicle accidents, and product safety in 1996. Now Dow is working towards its 2015 goals, continuing to focus on safety plus getting a broader look and perspective of site specific goals. There are 3 goals areas: 1) global matters – e.g., global warming; 2) products – e.g., understanding product lifecycle and its effects on the environment; and 3) local protection (e.g., safety, releases, etc.). Target sites will have achieved site-specific EH&S goals addressing needs such as security, waste generation and emissions, maintaining and improving employee health, and resource conservation. Dow is contributing to community success through product safety commitment, sustainable chemistry, products designed to solve work challenges, emergency efficiencies and conservation, and addressing climate change. He asked the panel to offer suggestions. Ms. Chiasson stated that after brainstorming, a site specific goal would be set into place by the end of the year for implementation in 2008. Suggestions included the following:

1. **Security.** Better public awareness regarding security. Dow has a sophisticated security system at all entrances. Security mans the docks 24/7.
2. **Health.** A community health fest, an extension of the door-to-door initiative, and town hall meetings on various issues.
3. **Transportation.** An overpass over LA 1 and staggered shifts.
4. **Footprints.** Reduction of flaring, better education on flaring, community beautification, ozone reduction, a recycling program for Iberville Parish, and additional Household Hazardous Waste Days.

Mr. Davis asked panel members to continue to offer suggestions over the course of 2007.

Answers to Questions Included the Following:

1. Dow is the largest employer in Iberville and West Baton Rouge Parishes.
2. All charitable contributions must be made to nonprofit organizations. Ms. Chiasson stated that Dow has a community success strategy in place. When Dow has an opportunity to support a project, it takes the opportunity.

Responsible Care Performance Measurement (April 16-May 21, 2007)

Mr. Davis presented Responsible Care Performance Measurements stating that there have been 3 site OSHA injuries thus far in 2007. There were no injuries, outside complaints, spills affecting the community, agency audits, or serious transportation incidents in the reporting period. There were 4 public notices in the *Advocate* and the *Post* (as required as part of the Title V air permitting process). Year-to-date, there have been 3 agency reportables at LAO, the most recent being a permit excursion occurring on April 27 at the Power 3 plant, when 55.13 pounds of NOx were released due to a temperature probe malfunction. The agency limit is 51.3 pounds. Dow

made a temperature adjustment, completed the root cause analysis, and is in the process of eliminating the reoccurrence of this type of incident.

Dow in the News

Ms. Chiasson presented Dow in the News for April 16-May 21, 2007 as follows:

1. Numerous articles were published regarding the termination of a Dow Chemical advisor who denied his involvement in a rumored takeover effort. Dow's CEO and the Board denied these rumors and informed employees of the truth. After the employee was terminated, the rumors stopped. He has sued Dow for wrongful discharge; and Dow has sued him regarding his stock options.
2. Dow is recognized by *Business Report* and *Fortune* magazines.
3. Good Neighbor News....Spring 2007.
4. Household Hazardous Materials Day thank you ad. Dow partnered with an Iberville Parish cleanup crew to clean LA 1 from White Castle to Belleview. A panel member asked that the cleanup be extended to the inner city area.
5. Senator Landrieu visits LAO.
6. New employee picture.

Answers to Questions and Comments Included the Following:

1. The Habitat build was postponed until the third week of September.
2. The Cleanup Day was well publicized. Dow was a partner in the event and provided technical expertise to the waste disposal contractor; however, Dow was not at the forefront on the program. Mr. Trusty suggested that community cleanup days be held more frequently so that smaller quantities can be collected.
3. A panel member asked if anyone is available to assist senior citizens in getting their hazardous materials picked up. Ms. Chiasson will check into this.

Around the Table

1. A panel member requested that the facilitator provide an update on the building request made in either 2005 or 2006.
2. A panel member stated that there is a great need for a summer recreational program for children in the area between the ages of 14-18. The community needs help getting the parish and city organized on this. She stated that several organizations with which she is affiliated will be forthcoming with ideas, but they need help from volunteers. Mr. Rivet stated that a discussion of this matter will be added to the June 12, 2007 Iberville Parish Council meeting agenda. Ms. Chiasson stated that the program would be required to go through Dow's grants process to receive funding. Several CAP members and Dow personnel volunteered to assist with this project, and Ms. Chiasson will discuss the program further with the panel member.

Did you know...

That Dow helps make science fun and interesting by supporting a hands-on education program created by the National Science Resource Center? Dow has donated \$15,000 every year for the past 10 years to support Hands-on Science for 5th and 6th grade students.

Next Meeting

The next Dow CAP meeting will be held on Monday, June 18, 2007 at the Dow Conference Center.