

**GULF COAST METHANOL  
COMMUNITY ADVISORY PANEL  
WEDNESDAY, February 20, 2019**

**MEETING MINUTES**

**CAP Members:**

Bob Boudet  
JoAnn Hebert  
Sam Lavalla  
Conrad Lawrence  
Warren Lawrence  
Ben Tucker  
Pearl Jennifer  
Bernadette Johnson  
Bobby Thomas  
Tommy Moore  
Sal St. Phillip

**IGP Methanol Representatives:**

Randall Harris  
Larry Winter

**TJC Group:**

Stephanie Boswell

The Gulf Coast Methanol Community Advisory Panel met on Wednesday, February 20, 2019, at Fill-a-Sac in Belle Chasse, Louisiana.

**Randall Harris - IGP Methanol Updates:**

Three groups of activities to talk about.

1. Executive team- including financing and other high level contract stuff. James, the CEO and Chairman.
2. Another group that Randall works with, improving the technologies and handling permits, real estate items. Starting to staff up company.
3. Engineering- Larry Winter, and that group of internal engineers

On schedule for fundraising. Good reception from financial community, some permitting goals to hit for financial will click in. Team is doing a great job putting that together.

Within a month we'll have "off take" for the first two plants. Very pleased.

Permitting is another part still working on. Working with the Corps of Engineers, met with them last Friday...and have now a path forward. Best case two months, worst case 6 months...but expect best case to have permitting in place. The delay has sent us in the rainy season...water levels could cause scheduling problems. Can't start work until waters back down which it could be June.

Randall did original design for plant, what would be most environmentally efficient. The typical methanol plant emits on CO<sub>2</sub> of 0.79 tons of methanol per ton of methanol they produce. IGP's plant is

projected to produce only 0.32 tons of CO<sub>2</sub> per ton of methanol. Randall had no idea the numbers would be that low. Other emission numbers:

- It turns out the particulate matter (PM2.5) emission is 70% below the average,
- NOx numbers are 30% below the average, carbon monoxide numbers are 75% below the average and our CO<sub>2</sub> numbers are 65% below the average. We've designed a pretty good plant.

The goal is to be the lowest emission plant in the world.

Randall has cooperative agreements with MIT and GE and a group in Nebraska, as well as the University of California...laid out whatever things are keeping us from being the cleanest plant and working with these teams to come up with results.

Looking at the possibilities for technology that we can incorporate in these plants and for other plants down the road. Our goal is to get as close to zero emissions as possible.

What I see evolving Ornite, Alliance, IGP and the Naval Base all of which have goals of being the cleanest at whatever they are doing, and I think we might be able to create a reputation for the Parish as a place to do really clean manufacturing. One way to sell the parish. Market the parish.

Questions about China; with everything going on with China. Is that hurting our prospects here? Randall says no.

Question/discussion about the proposed pipeline going from Germany to Russia.

#### **Larry Winter Project Updates:**

Projects group is presently based out of Houston, working with McDermott, team is currently 4-5 people optimizing design to environmental and economical, to get a better position in the market.

Haven't picked an (EPC) Engineer, procurement and construct company yet - working with McDermott on that.

Meeting with contractors here (locally) and throughout Louisiana, to use as much local content as possible. Including suppliers and vendors as well.

Working on pricing and budgets.

Site clearing is planned to start in July (this year) depending on the water level. The river this year hasn't followed the historical norm.

JoAnn asked, "What does it mean that you're going to start in July?" Larry explained it means, clearing the site, knocking trees down, importing sand fill. The site has to be wicked, because of the settlement in the ground. Getting the ground prepared for construction.

Larry says the project team is going to grow over the next couple of months. To support the engineering design effort.

CAP was given a "confidential" list of jobs and salaries.

Randall clarified that the salaries is the target number, is not what you will start at but that what the position will ultimately pay. Stated pay is comparable to other jobs up and down the river. First round

of senior positions are going to be for people who are currently doing jobs up and down the river. From experience people who grew up in the parish and left for another job and we're hoping we can offer them a job, they'll come back here and retire here.

CAP Member asked a about how many plants on site? On the site four plants (trains). Larry said the construction will be staggered. Site prep for the full site will be done at the same time but the construction of the first two will be staggered. About 30-36 months and IGP will let the CAP know what skills, and in what time segments of the construction will be needed. Also shared with the Education Committee to help them plan ahead want to give them at least 18-months lead time.

Larry talked about NCCER –National Center for Construction Education & Research. It's a national certification program for skills sets. Provides school after hours on site. This service is a tremendous opportunity for local people to take advantage of. This will help guide them.

The full property to be used to construct the two units/ materials laid in the yard

Question: Sand, 11-foot surcharge. How will that be brought in?

Local impact questions- how will the sand be brought in? By vehicle. Can't the sand come from the river? We're bringing in a million cubic yards, it's quite a bit of sand

Warren asked about building the dock: Randall says it's their (Kinder Morgan) dock and we'll pay them to upgrade it and operate it. Which is what they do for a living. It's a specialized skill set. They're the largest terminal operators in the world

Question (Tommy): will you build pipes to it. Randall says no. Coal piles will be moved. Coal piles will be replaced with storage tanks.

Kinder Morgan will take the original dock, put a 30-thousand barrel per hour loading system on it and it will be able to load a 100,000 metric ton ship.

They saying it will take approximately 18-months to build the upgraded dock. They don't need to start the same time we do.

When the first unit is complete, the dock needs to be complete.

Question (Warren): What is the demand you're going to have on water? Larry got with Parish on consumption. No numbers final but they said they could supply 250 gpm.

Next Meeting: April 24, 2019