

MANDAN REMEDIATION TRUST (MRT)
February 5, 2013

Meeting: 232nd Official Meeting
Date: February 5, 2013
Location: Mandan City Hall, 205 2nd Ave. NW
Time: 10:00 A.M.

The MRT meeting was called to order by Jim Neubauer. Fritz Schwindt was present; Dave Glatt was absent. Scott Radig and Marilyn Mertz, North Dakota Department of Health were present.

Minutes. January 8, 2013 minutes were reviewed and tabled until the next meeting so clarifications can be made.

Pay Request. Invoice from LBG for \$16,842.80. Radig noted there were no unusual expenses like the Clean Harbors fee. Jim asked me about the Clean Harbors fee from last month. Earthmovers do the hauling.

Motion. Schwindt moved to approve LBG's invoice dated Jan. 22, 2013 for \$16,842.80; second by Neubauer. All ayes. Motion carried.

Pay Request. City of Mandan wastewater charges of \$811.95 for December 1 through December 31, 2012. I think we are current now.

Motion. Schwindt moved to approve payment to the city of Mandan for wastewater charges in the amount of \$811.95; second by Neubauer. All ayes. Motion carried.

Bank Statement. Bank statement was not available for January 2013.

City's Utility Billing. Neubauer gave Radig the city's fourth quarter utility billing for review.

Neubauer – As discussed at the last meeting, I have had our guys look into hauling the waste material up to Sawyer. Not knowing the breakdown in what Clean Harbors is charging them there, but I think Dave Auch said it was \$290 a ton, something like that. Based on 3,000 gallons it would be roughly \$3,700 to dump 3,000 gallons of material up there. I don't know how much Earthmovers charged us.

Schwindt – That is the bill that we did have. It was about \$4,200 to haul it.

Neubauer – So it cost us \$8,000 for a load. Radig agreed. For our guys to do it, we charge \$220 an hour for the truck and bus drivers, I did check with Bob Beam from Tri-B Oil (Mandan) and he said for 3,000 gallons to be hauled up there and back would be \$300 round trip for 134 miles up there or a 260 mile trip.

Radig – It is not quite that far because you turn off before you get to Minot.

Neubauer – It was a verbal quote so I can call him back.

Schwindt – This is a June 2012 invoice for Clean Harbors. It was \$4,102.76. I would assume one load.

Neubauer – Earthmovers would be charged for hauling it, \$4,000 out by truck.

Schwindt – It seems it was \$4,200 for the last one.

Neubauer – I will ask Auch to double check.

Radig – What company is it?

Neubauer – Tri-B Oil (Beam) at 226.1169; 3,000 gallon max for \$300 per load and Earthmovers would charge \$4,000.

Radig – I will check to see if they are registered as a waste hauler, but that is a \$75 permit fee to become registered.

Neubauer – Unless he has a backhaul, but basically \$300.

Schwindt -- Earthmovers bill for December was \$4,201. The Clean Harbors was from June last year.

Neubauer – So \$290 a ton. So a tank wash is \$125 per hour pumping it out of the tanker, open the spigot and let it go. If Clean Harbor's is charging—the LBG bill is \$4,100 and Auch says for 3,000 gallons it is going to be \$3,700 plus. At least an hour to pump it out and maybe 2 hours is \$250. A \$250 for a tank wash, another \$500, which gets us to that \$4,100. That's a reasonable charge.

Schwindt – I wouldn't call it a reasonable charge. I think their costs have gone up significantly because the price of fly ash has gone up. Radig agreed. You used to almost give it away and now because it is being used in the oil field it is now at a premium.

Neubauer – I will call this guy back and say did I get your quote right? We wouldn't be ready to haul another load until.

Schwindt – We should be getting close.

Updated Tasks for 2013. Radig provided copies. These have been updated with the inflation factor which is about 2.6 percent inflation plus they add 1 percent on LBG's additional cost.

Schwindt – What did that increase the total price?

Neubauer -- \$300 grand.

Radig -- \$299,762.

Neubauer – If we add \$300,000 plus \$1,000 a month for wastewater or \$12,000 and our quarterly utility for \$20,000, we would need about \$400,000 a year to operate.

Radig – That’s about what it has been for the last few years. They have always come in a little under budget

Schwindt – The initial documents that were provided last time was \$243,000 now it is \$247,000. We didn’t have a total on the fluid level measurements but the increase is about a grand and biorespiration about \$400.

Signatures will be obtained from the mayor, Glatt and Arvy Smith.

Motion. Schwindt moved approval of the 2013 Task Pricing Summary for LBG of \$299,762 for O&M, quarterly fluid level measurements and biorespiration testing for 2013; second by Neubauer. All ayes. Motion carried.

Starion Bank Remodeling. Starion is doing some remodeling in the basement of their facility and ran into some stinky dirt. They did some excavating.

Schwindt stopped over there a week ago and they already had the concrete repoured. What the contractor and the bank president told him is that they cut a couple of pretty big areas of concrete out of the basement floor, which would have been about 11 feet or so below the ground surface. He said there was a layer of sand right underneath the concrete floor, which would be typical for that kind of construction. As soon as they got through that sand, there was a heavy, fatty clay that was underneath it and he said, the odors were very strong in that clay so they excavated down about 2 or 3 feet. There were strong odors all the way down. They had it open for a while to do what they needed to do and he said there was no accumulation of free product in there, but it was very odorous so they had several big fans going. It was kind of tough working in there for a while. It was really, really strong.

They did three different cuts into the floor. One was toward the south end of the building, one was about 20 feet north of there and another to the west of the north site. It wasn’t as bad in the northwest location as the other two for whatever reason. He said, there was really heavy clay starting about 12 feet below the surface of the ground outside, which would be typical from what we have seen. I did look at the Starion Bank location to see where we had wells. We’ve got 2 wells on the west side, 2 wells on the south side, 2 wells on the east side and 2 wells on the north side and the maximum distance is probably about 100 feet or so between wells across from each other.

Apparently, with the footings and whatever concrete is underneath the bank, we are not getting real good soil ventilation to the middle of the bank.

Radig – Within the clay itself you are probably not getting much air movement so whatever is stuck in there is probably going to stay put.

Schwindt – It was a little surprising to me that we have that strong odor with all that soil venting that we have been doing.

Radig – It's not real surprising within the clay itself you are not getting much drawn out.

Schwindt – I guess I would agree with that. The only point being is we need to keep that in mind as we start closing down parts of the system. So the decision to keep the soil venting going north of First is probably a good idea.

Radig – I did get a list for the database of all the fluid level measurements for all the wells and I started going through it, but there are almost 30,000 measurements. That is going to take a while for us to go through it and you will have to sort it. It's on a spreadsheet so all of that can be done by the computer. It will take a little bit of work to figure it out. I had a call into Brad Peschong. The manifold wells are easy to identify. I'm trying to evaluate manifold by manifold area but all the other observation and monitoring wells over the years aren't identified as to which area they are in so I'm either going to have to go to the map and identify where each one is located and link it up with one of the manifolds or else. I have a call into him to see if they have already done that where they correlate the observation wells of which manifold they are in. We have to look at monitoring wells that data as well as just the observation wells.

Schwindt – I would think so because several of the cases we find where the remediation wells are clean and the monitoring well right next to it still has stuff in it.

It was good the bank called you and let you know. Even though we didn't make it over there on time I was able to talk to the contractor.

Neubauer – Were there any precautions when they had that open to vent out? I don't know what they put down after they had excavated. Do they put down more sand and put the concrete on top?

Schwindt – He said they encased it with rubber. It depends on the type of rubber that they use. I suppose that would keep any of the stuff in the clay from migrating into the concrete itself.

Next Meeting. March 5, 2013 at 10 a.m.

Motion to Adjourn. Schwindt moved to adjourn at 10:30; second by Neubauer. All ayes. Motion carried.