

REGULAR MEETING, BOARD OF SANITARY DISTRICT COMMISSIONERS
WEDNESDAY, JUNE 27, 2007 – 1:00 P.M. – 1100 E. EIGHTH STREET

The meeting was called to order at 1:00 p.m. in the Board Room of the Administration Building, 1100 E. Eighth Street, by the President of the Board, Boyd W. Phelps.

Commissioners present for the meeting were J. Jeffrey Jones, Ph.D., Boyd W. Phelps, Judith A. Paul, Linda G. Simmons and Ronald J. Strauss.

Staff Members present for the meeting were:

Alan J. Walus, General Manager
Daniel R. Olson, Plant Superintendent
Michael A. Hoffman, Collection System Superintendent
James L. Kintzele, Sr., Refuse Superintendent
Doretha M. Sanders, Business Office Manager
Tina M. Tabisz, Administrative Secretary
William J. Nelson, Jr., Attorney

Also present for the meeting were:

Dave Sneed, SDMC Driver
John Doyle, John A. Doyle & Associates
Warren Thiede, Haas & Associates
Sedrick Green, Haas & Associates
Mike Edinger, Woodruff & Sons
Ryan Miller, D&M Excavating
Mark & Carol Mokrycki, Modern Woodmen of America
Joe Coar, Tonn & Blank
Andre Steele, ALCO TV

In reference to the Meer Road South Sanitary Sewer/Water Main Extension and Road Improvement Project, Attorney Nelson advised that proofs of publication have been received.

John Doyle of John A. Doyle & Associates opened and read the bids aloud, as follows:

HRP CONSTRUCTION, South Bend, IN	
Division C	\$1,832,030.00
Water Main Alternate	<u>\$317,760.00</u>
Total	\$2,149,790.00
Woodruff & Sons, Michigan City, IN	
Division C	\$1,228,268.00
Water Main Alternate	<u>\$233,787.00</u>
Total	\$1,462,055.00

Mr. Phelps opened and read aloud the engineer's estimate, as follows:

Division C	\$1,172,500.00
Water Main Alternate	<u>\$245,000.00</u>
Total	\$1,415,500.00

Mr. Phelps advised that the bids will be taken under advisement for tabulation by the engineer and review by the attorney for award at a later date.

Mr. Phelps entertained a motion in reference to the minutes of the Regular Meeting of May 23, 2007.

Ms. Simmons made a motion to approve the minutes, as submitted – seconded by Dr. Jones. No discussion or comment on the matter. Motion carried 5 – 0 in favor.

In reference to the Financial Status of the District, Mr. Phelps noted that City Controller John Schaefer was not in attendance at the meeting.

Mr. Phelps read the Financial Status into the minutes, as follows:

FINANCIAL STATUS – SANITARY DISTRICT
June 22, 2007

OPERATION & MAINTENANCE FUND #6201	\$359,701.03
SEWAGE WORKS SINKING FUND #6207	\$1,376,414.71
SEWAGE WORKS IMPROVEMENT FUND #6208	\$506,888.43

Public Comment

Mr. Phelps called for any comment from the public.

Mr. Walus advised that a letter of appreciation has been received from the Michigan City Municipal Airport. He distributed copies to the Board and read from the letter dated June 20, 2007, regarding ditch mowing at the Airport, as follows:

"Al,

I want to extend our appreciation for the Sanitary District's assistance in the ditch mowing at the Airport.

Your employee went above and beyond the call of duty and we greatly appreciate his assistance.

Please extend our appreciation to your New Holland driver as the quality and quantity of work was remarkable.”

*Yours truly,
Brian J. Payne
Airport Manager*

Mr. Walus stated that he wanted to bring this to the Board’s attention and introduced Dave Sneed, the driver who performed the work. Mr. Walus presented a copy of the letter to Mr. Sneed and congratulated and thanked him for the outstanding work he does for the District. Mr. Walus added that he feels that Mr. Sneed’s work is indicative of the assistance that we provide to other departments on an as-needed basis. The District is glad to help out when we can if we have the equipment available.

Mr. Walus stated that Mr. Sneed does a good job so he wanted to recognize him at a Board Meeting and introduce him to the Commissioners today.

Mr. Phelps and the Board congratulated Mr. Sneed. Mr. Sneed thanked the Board.

Mr. Walus then advised that, at last month’s meeting, there was a bit of discussion about the work that was recently completed at Striebel Pond with the installation of the flagpole. At that time, the Board requested that Mr. Walus do a final summary of the project.

Mr. Walus reminded the Board that he previously discussed that a couple of local residents of Village Green approached the Sanitary District with an idea to donate a flagpole for the site. In order to do so, the District worked with some local contractors such as Tonn & Blank and Marquiss Electric.

Mr. Walus asked Mark and Carol Mokrycki to approach the Board. Mr. & Mrs. Mokrycki did so. Mr. Walus explained that Mr. & Mrs. Mokrycki are two individuals that live in Village Green and are very active in the Village Green Neighborhood Association.

Mr. Walus displayed a framed plaque and read from it as follows:

“The Citizen Appreciation Award is proudly presented to Mark and Carol Mokrycki for their benevolence, generosity and civic mindedness in achieving the Striebel Pond Flagpole Walkway and Decorative Planting Project.”

Mr. Walus explained that the plaque has a picture of the flagpole and the area and explained that it looks as though it was planned and designed for the project.

Mr. Walus presented the award to the Mokrycki's and thanked them for bringing this idea to the District's attention and helping to get it done.

Mr. Phelps and the Board also thanked the Mokrycki's. Mr. & Mrs. Mokrycki thanked Mr. Walus and the Board.

Mr. Walus then asked Joe Coar of Tonn & Blank to approach the Board.

Mr. Walus explained that, in order to work through this project, Tonn & Blank very graciously helped the District with the concrete work at the site to place a sidewalk and install the flagpole.

Mr. Walus presented an appreciation award to Mr. Coar on behalf of Tonn & Blank for their benevolence and generosity in helping the District in getting this project done. He thanked Mr. Coar for his help.

Mr. Coar thanked Mr. Walus and the Board and advised that he would hang the award high in Tonn & Blank's office.

Mr. Walus advised that there is one more plaque to give to Ed Skwiat from Marquiss Electric, who was unable to attend. Mr. Walus advised that he would get the award to Mr. Skwiat and thank him on behalf of the Board.

The following status reports were given:

John Doyle of John A. Doyle & Associates reported on the following projects:

Tryon Road/Meer Road Project

Mr. Doyle advised that the project is basically complete and the contractor is in the process of getting the final paperwork together to finalize out the project. Mr. Doyle anticipated that this would probably be ready for approval and acceptance as complete at the next regular meeting.

White Oak Drive Storm Sewer

Mr. Doyle advised that bids were taken on June 21st. Mr. Doyle advised that five bids were received, as follows:

Woodruff & Sons, Inc., Michigan City, IN	\$757,717.00
Oselka Construction Co., Union Pier, MI	\$765,005.20
Reith-Riley Construction Co., La Porte, IN	\$837,399.25
HRP Construction, Inc., South Bend, IN	\$1,120,000.00
Gariup Construction Co., Inc., Gary, IN	\$1,221,900.00

Mr. Doyle advised that, in reviewing and tabulating the bids, he noted that there was a correction to be made to the bid of Woodruff & Sons, which resulted in a \$200 addition. This additional amount is reflected in the amount above.

Mr. Doyle advised that Reith-Riley Construction also had a correction to be made resulting in a \$100 reduction in their bid amount, which is also reflected above.

Mr. Doyle then advised that Attorney Nelson's law firm also reviewed the bids with respect to compliance with all of the other requirements. Mr. Doyle advised that there were some deficiencies with some of the other bidders and Woodruff & Sons was the only contract that basically complied with all of the requirements.

Mr. Doyle recommended that the project be awarded to Woodruff & Sons in the amount of \$757,717.00.

Mr. Walus explained that the City has requested that the project on White Oak as well as the project on Meer Road be put out for bids to receive firm bid costs.

Mr. Walus advised that he now proposes taking these numbers back to the City Administration. He explained that there is some funding available in the 2007 city budget for capital improvement projects for infrastructure.

Mr. Walus advised that he will take these numbers back to the City Administration to determine what direction they would like to take with respect to awarding one or both of these projects.

Mr. Walus advised that he will inform the Commissioners of the options after meeting with the City Administration. Mr. Walus also advised that it would take action by both the Board of Public Works & Safety and the Board of Commissioners to enter into a Letter of Understanding to be able to construct these projects.

Now that we have had the bid opening today on the Meer Road Project, we now know the total cost for both projects and it can then be determined if there is available funding.

Mr. Walus also asked to poll the Commissioners to schedule a special meeting prior to the regular meeting in July in order to award one or both of these contracts.

Mr. Phelps asked if the agreement with the Board of Works would be at their meeting of July 2nd. Mr. Walus advised that there is a Board of Works meeting on July 2nd and the Board of Works could potentially provide approval on their end for funding for the project and the Sanitary District Board could potentially have a special meeting sometime after that. Mr. Phelps agreed.

Roeske Avenue Lift Station

Mr. Doyle advised that he is still in the process of working on this project. They were slowed up a bit in order to get these previous two jobs ready for bid. They will continue to work on it and hopefully have something more concrete at the next meeting.

Mr. Phelps asked if there were any questions. There were none.

Warren Thiede and Sedrick Green of Haas & Associates reported on the following projects:

Mr. Walus took the opportunity to introduce Sedrick Green as another engineer at Haas & Associates. He advised that Mr. Green has worked on some of the District's projects in the past as a resident inspector and designer.

Wabash/Washington Sewer Separation Project, Phase 2A

Mr. Thiede submitted Pay Request #9 of Woodruff & Sons and recommended approval of same.

Mr. Phelps entertained a motion on the matter.

Ms. Paul made a motion to approve Pay Request #9 of Woodruff & Sons, in the amount of \$308,722.65, as submitted – seconded by Mr. Strauss. No discussion or comment on the matter. Motion carried 5 – 0 in favor.

Wabash/Washington Sewer Separation Project, Phase 2B

Mr. Thiede submitted Pay Request #5 of Woodruff & Sons and recommended approval of same.

Mr. Phelps entertained a motion on the matter.

Ms. Simmons made a motion to approve Pay Request #5 of Woodruff & Sons, in the amount of \$230,082.71, as submitted – seconded by Ms. Paul. No discussion or comment on the matter. Motion carried 5 – 0 in favor.

Wabash/Washington Sewer Separation Project, Phase 2C

Mr. Thiede submitted Pay Request #4 of HRP Construction and recommended approval of same.

Mr. Phelps entertained a motion on the matter.

Mr. Strauss made a motion to approve Pay Request #4 of HRP Construction, in the amount of \$322,373.67, as submitted – seconded by Ms. Paul. No discussion or comment on the matter. Motion carried 5 – 0 in favor.

Lake Hills Stormwater Separation Project

Mr. Green advised that the contract agreement has been signed and the contractor, H&G Plumbing, has been given a work change directive to remove the additional trees in the area of the lift station at Timm Court, which is the newly purchased property from Weil-McLain. NIPSCO is still working to get power to the lift station but no final date has been given. H&G Plumbing will be mobilizing the week of July 2nd to remove the trees and clear the area for the work.

Mr. Phelps asked if there were any questions. There were none.

Mr. Walus reported on the following projects for Christopher B. Burke Engineering:

Earl Road Flood Control Facility

Mr. Walus reported that Burke Engineering was working with Tonn & Blank to prepare an invoice for today's meeting. However, they were unable to complete all of the work for the invoice so this should be ready for next month's meeting. This will potentially involve release of some retainage on the project.

Mr. Walus advised that the Board packets included a copy of the May/June 2007 Land & Water Magazine article prepared by Dave McCormick and Mr. Walus regarding the Striebel Pond Flood Control Project. Being published in a national magazine was very exciting to get some exposure to the benefits of Striebel Pond and some of the construction methods.

Mr. Walus also advised that a question was raised by a local resident regarding Striebel Pond. The rules for Striebel Pond that were approved by the Board of Commissioners state that the facility opens at dawn and closes at dusk.

Mr. Walus explained that a local resident is a member of an astronomy club and requested consideration of the possibility of hosting an astronomy club meeting at the site due to the flat nature of Striebel Pond and limited number of street lights in the area. This meeting would be held after hours somewhere between dusk and 11:00 p.m./midnight or so.

Mr. Walus stated that he spoke with the Michigan City Police Department who advised that the National Lakeshore has a program for limited use of their facilities for astronomy related items subject to a special use permit from the National Lakeshore.

Mr. Walus advised that he spoke with a couple of people with the National Lakeshore and he will investigate this further to bring a recommendation back to the Board at the July meeting.

Mr. Walus pointed out that this is another way that local residents are trying to utilize the Striebel Pond facility in ways that we never would have initially thought, but we

appreciate the community embracing Striebel Pond. Therefore, we are trying to be as cooperative as we can by allowing access to the site yet maintaining safety.

Mr. Phelps commented that the District should offer the use of the facilities as much as we can. However, he believes that the District should be careful because the rules have already been set.

Mr. Walus agreed and stated that we are proceeding cautiously in working with the Police Department as well as the National Lakeshore who has a program.

Mr. Walus advised that the Board packets also include the cover of a poster issued by Indiana University Northwest and NIRPC (Northern Indiana Regional Plan Commission), which is titled *An Inventory of Restoration Projects in Lake, Porter and La Porte Counties*.

Mr. Walus displayed the poster and explained that IU Northwest and NIRPC looked at the three-county area of Lake, Porter and La Porte Counties in order to document and highlight all of the restoration activities occurring in that three-county area. In Michigan City, they highlighted the effort that is being done on the Trail Creek Watershed planning, as well as Striebel Pond.

Mr. Walus explained that NIRPC did have a tour of the area and they actually had lunch at Striebel Pond one day to learn about how the Striebel Pond facility operates.

Mr. Phelps asked about the agenda item about the request for payment regarding retainage release. Mr. Walus advised that it was anticipated that the actual request would be received in time for the meeting. However, the pay request review has not been completed by Burke Engineering. It should be ready by the next meeting.

Mr. Phelps asked about the punch list items in the area and the final determination after the last walk through. Mr. Walus advised that most of the work has been completed satisfactorily. There were some incorrect tree species planted which is being addressed by Tonn & Blank and their subcontractor. It involved the Kentucky Coffee trees which were not planted correctly. Therefore, there are some trees that have to be replaced. Mr. Walus advised that there will be more details at the next meeting.

The following departmental status reports were given:

Al Walus

In reference to the Trail Creek Watershed, Mr. Walus advised that communication has been received from the Great Lakes Commission.

Mr. Walus explained that we had applied for Soil Erosion and Sediment Control Grants for the 2007 fiscal year from the Great Lakes Commission. The grant applications were

received. However, they sent a letter on each of the two applications stating that, due to some actions by Congress, funding in fiscal year 2007 was considered to be an earmark so that funding has been eliminated.

The planned grant awards that the Great Lakes Commission was looking to issue for 2007 will not happen. They are looking toward next year, fiscal year 2008, by funding the program through a specific line item in part of the federal budget so that it will not be considered an earmark.

Mr. Walus explained that the Great Lakes Commission asked for our patience and to reapply if we are still interested next year subject to funding through Congress.

Mr. Walus stated that he was a little disappointed because the north lagoon conversion was rated very high and we had anticipated funding for it. However, due to the funding changes that occurred in Congress, that money is not available.

Mr. Phelps asked how much funding was being sought. Mr. Walus advised that it was an \$80,000 grant request on both projects.

Mr. Walus advised that we will continue to look at those projects to see if there are alternate methods of funding. However, we will not be able to do it through the Great Lakes Commission this year.

Mr. Walus advised that the Board packets also included a Streambank Access map for Trail Creek waterway. Mr. Walus displayed a copy and explained that it is a result of some of the Trail Creek Watershed planning efforts.

Mr. Walus stated that one thing that was recognized is that the city has been very aggressive in trying to open up improved and new access points to Trail Creek: The Hansen Park access site has been improved; Winding Creek Cove and the Karwick Nature Park have recently opened; Fire Station No. 2 has had Trail Creek public access sites added to it.

Additionally, there are several DNR fishing access sites, all the way from the old Johnson Road site, Trail Creek Forks and Chapala Parkway off of Highway 35; as well as the County's Creek Ridge Park.

There were different governmental entities having public access sites on Trail Creek in or around Michigan City. However, a single map that had all of those sites listed could not be found. You would have to investigate multiple web pages to find the different sites.

Therefore, a background map of Michigan City was utilized to add each of the different sites included on one map. These maps have been distributed to the La Porte County

Visitor's Bureau, Mayor's Office and Chamber of Commerce. The map has also been added to the Trail Creek Watershed website and we are in the process of making this an interactive map where you can point to one of the boxes that will take you to a page that will display directions on how to get to the site, photos of the site and more information with respect to who manages and owns the individual sites.

Mr. Walus stated that it is very encouraging that there are so many areas along Trail Creek that have designated parking areas for public parking as well as walkways, trails or pathways to the water's edge.

Mr. Walus advised that the Board packets also included a copy of a printout from the Indiana Rivers Rally 2007 Conference that was just held from June 7th through June 9th at Purdue University at West Lafayette. It was funded by a grant to Hanover University and it was the first year that this conference was held. The purpose was to bring together watershed coordinators, people interested in watersheds as well as outdoor enthusiasts.

Mr. Walus explained that he and Dave McCormick presented a paper about managing floods and storms discussing the design and construction of Striebel Pond.

Mr. Walus advised that there were approximately 180 attendees signed up for the conference and the goal is to have the conference once every two years. As part of the conference, they had canoe trips on the Wabash River and some of the people attending the conference actually camped out. Additionally, workshops had people actually planting wetland plants in different areas and doing restoration on streambanks. It was very hands-on and a very well run conference. He is looking forward to the next one in 2009.

Mr. Walus advised that one outgrowth of this conference was a statewide organization advocating improving our waterways in Indiana so that we can catch up with some of the other states nationwide.

Mr. Walus then advised that the Board packets included a printout of the brochure from *What is a Rain Garden?*. Mr. Walus explained that he and Pretreatment Coordinator Sue Claussen attended a workshop on rain gardens held at the Porter County Visitor's Center last week. There was some discussion on design elements of rain gardens. The attendees then actually planted wetland plants for the rain garden created at the Visitor's Center in Porter County.

Mr. Walus stated that it was a good way to get some hands-on training to see how rain gardens are implemented because this could be one of the Best Management Practices we use here in the Trail Creek Watershed. It is very helpful in controlling stormwater runoff from individual homes. Roof drains can be cost effectively routed into constructed rain gardens and they are very beneficial to the environment.

Mr. Walus then advised that the Board packets also included a press release from the DNR regarding the Hoosier Riverwatch presenting a volunteer stream monitoring workshop.

Mr. Walus explained that, as part of our Trail Creek Watershed effort implementation phase, the DNR offers free training for citizens to perform stream monitoring.

Therefore, we requested the DNR to schedule a class within the Trail Creek Watershed, which they agreed to do on Saturday, July 14th. The morning of that Saturday, the class will be held indoors in the WWTP Administration Conference Room for the DNR to train volunteers on how to do the water sampling as part of the Hoosier Riverwatch. American Structurepoint will provide lunch for all of the participants. In the afternoon, the attendees will have hands-on training in the creek with all of the water monitoring as part of Riverwatch.

Mr. Walus advised that the goal is that the twelve adults who volunteer to go through the class can then, on their own, perform water quality testing throughout the Trail Creek Watershed and input that data on a website so that a database can be built of water quality throughout the watershed.

Mr. Walus advised that, after this press release went out in the newspaper on Monday, June 18th, there have already been ten people registered so far. There is a maximum of twelve to fifteen participants because it is a very hands-on training. If there are additional people interested, we can possibly schedule another day of training. It has been very well received so far.

Mr. Phelps asked how the publicity for this was handled. Mr. Walus explained that one of the participants of the Trail Watershed Steering Committee is Joe Exl, who is the Non-Point Source Coordinator for the DNR and he provides Hoosier Riverwatch training. Therefore, we have been very fortunate all along that we have had IDEM and DNR staff members working on the steering committee that bring these resources to us.

Mr. Phelps clarified that his question was how the ten people who have already registered were made aware of this training. Mr. Walus advised that some saw the press release in the newspaper and others were people who attended the last public meeting and the information was e-mailed to them.

Mr. Walus stated that there was a variety of people who responded to the notice. He added that there is one person from Hobart and one person from Westville who have signed up. Throughout the region, people have heard about it and are beginning to sign up.

Mr. Walus then advised that, as part of the implementation of the Trail Creek Watershed Plan, we are trying to do public outreach and education items. Additionally, we have

committed to providing a status report, during Coast Week this coming September, of what we have been able to do toward implementation. We have offered, and the DNR has approved, a Trail Creek canoe excursion on Sunday, September 16, 2007.

Mr. Walus explained that the proposal is to start at the Trail Creek Marina and canoe approximately 1.5 miles upstream to Friendship Gardens where the canoeists can disembark and participate in a lunch event at the gardens. When this is done, everyone will canoe back downstream to the starting point at Trail Creek Marina. All of the details have not been worked out yet.

Mr. Walus advised that one of the IDEM members of the Trail Creek Watershed Steering Committee is a former U.S. Canoe Association kayak racer and is helping to plan the event.

Mr. Walus explained that the main focus of the Trail Creek canoe excursion is to bring people to Trail Creek and see that they will be able to canoe the creek and there are some beautiful areas out there. Mr. Walus is also working with City Forester Frank Seilheimer to do some emergency log jam removal prior to September 16th so that there will be good access to the creek.

Mr. Phelps commented that he would encourage anyone who has not yet seen Winding Creek Cove to do so. He stated that it really takes you back into nature. Mr. Walus agreed that it is a very secluded area that has all kinds of wildlife.

Mr. Walus advised that we are trying to invite people by talking to some canoe clubs from the region to let them know. As we get more details, there will be more press releases and information.

Mr. Phelps asked Mr. Walus if he has canoed. Mr. Walus advised that he did so some 30 years ago but he is looking forward to do so again.

In reference to the 1000 North Corridor Project, Mr. Walus reminded the Board that the developers for this project were at the last meeting and the Board approved a sewer use agreement with the developers. As part of that agreement, the Sanitary District committed to performing the engineering required to design the difficult crossing that has to go under railroad tracks as well as under Highway 12 to get to the south side of Highway 12.

Mr. Walus advised that Mr. Doyle has done considerable work for the District in the area and he previously designed the lift station that this line will be connecting into.

Mr. Walus advised that he and Mr. Phelps met with Mr. Doyle to discuss an engineering proposal from Mr. Doyle. Mr. Doyle has submitted such an engineering proposal to do the detailed topographic survey of the proposed route, prepare plans and specifications

for the construction, bidding documents, and assist in obtaining proposals for the lump sum of \$18,000.

Mr. Walus explained that there is some additional work in obtaining permits from the Amtrak Railroad and the Indiana Department of Transportation and he asked Mr. Doyle that this be handled on an hourly basis because we are not quite sure how much time would be involved in meeting with the Railroad and INDOT.

Mr. Walus advised that staff recommends that the Board accept Mr. Doyle's engineering proposal for the 1000 North Corridor Sanitary Sewer Extension in the lump sum fee of \$18,000.00.

Mr. Phelps entertained a motion on the matter.

Ms. Paul made a motion to approve the proposal of John A. Doyle & Associates, in the lump sum fee amount of \$18,000.00, as submitted, and execution of the document – seconded by Dr. Jones and Ms. Simmons. No discussion or comment by the Board. Motion carried 5 – 0 in favor.

Mr. Walus thanked the Board and advised that we will get the work started on this project, which will also get us down the path of achieving our goal to get sewers south of Highway 12 on Meer Road.

Dan Olson

Mr. Olson advised that there were no CSO events or NPDES Permit violations during the month of May. The monthly reports have been signed and submitted to the state.

In reference to the Underground Storage Tank Project, Mr. Olson advised that the underground storage was closed out in the month of June and the closure report was sent to the state on Friday, June 22nd. Therefore, the project is complete.

Mr. Olson advised that he, Mr. Walus and Plant Maintenance Foreman Randy Hocutt met this morning with Tom Vick of McMahon Associates for a preliminary review of the status of the master planning project. In the process of doing so, they discussed the options that McMahon Associates had reviewed in a preliminary fashion and they were also able to eliminate four options as just not being viable for the District here.

Mr. Olson distributed a chart to the Board that showed the preliminary results of the status report for the Master Planning Project.

Mr. Olson advised that one of the items addressed in the discussions is that the District really needs to have some kind of a grease removal septage reception station as well as incorporating in the District's vacuum truck so that there will be a centralized place for those discharges.

Mr. Olson re-emphasized that any options considered will mean that the existing Headworks (the new project) would remain intact and utilized 100% so there would be no changes in that.

One consideration is the existing primary treatment, using the existing primary clarifiers, which are really undersized for the planning flows being considered.

The other option that became viable is the Salsnes Filters, which is a Norwegian technology that is used throughout Europe and is starting to come over to this country. This is a micromesh continuous filter which removes the solids, filters out the liquid, and the solids could be then sent into an auger and dewatered to approximately 30% solids. The solids would not then be disposed of in a digester and look at alternative ways of disposing of those solids. One way might be to take the solids through some type of low temperature process to convert it into Class I sludge.

For secondary treatment, an option would be to keep the existing aeration tanks for the biological portion. Other options are Carrousel oxidation ditches and Biostyr, which is a biological aerated filter.

Mr. Olson explained that he is familiar with using the Carrousel oxidation ditch in the facility he previously worked. However, in the facility that he is familiar with, there were no primary clarifiers.

Mr. Olson further explained that here, because of land space, in order to not have primary clarifiers you would have to scrap the existing eight secondary clarifiers and build four 100 foot diameter clarifiers, which there is probably not enough room for. However, we could keep the primary clarifiers or the Salsnes filters and then go into an oxidation ditch and there are some advantages to doing so.

Mr. Phelps asked if there is enough room for the ditch. Mr. Olson advised that there is room and there would be two ditches.

Mr. Olson continued explaining that the Biostyr biological aerated filter has a lot of potential because it takes up a footprint approximately the size of 2 to 2.5 of our existing aeration tanks. We currently have six aeration tanks so it would really be a small footprint. Additionally, there would be more room for any future growth to place another unit right next to it on the existing land. Mr. Olson pointed out that the District is a bit landlocked.

Mr. Olson further explained that the Biostyr would also eliminate the need for the secondary clarifier process. However there is still a need for secondary clarifiers as a physical secondary treatment for the Carrousel oxidation ditch as well as secondary biological existing aeration tanks.

Mr. Olson explained that we could upgrade the existing sand filters in tertiary treatment or we could go with disc filters, which is what is really being used in brand new treatment plants today.

Mr. Olson explained that the advantage of using disc filters is that they are smaller and have a smaller footprint which allow for more room for future expansion if regional treatment ever became a possibility.

Mr. Olson then advised that, as part of the whole overall review, we could maintain chlorination/dechlorination disinfection or we could go with ultraviolet disinfection which is being encouraged by the state whenever possible to get rid of the chlorinated hydrocarbon byproducts that could occur.

Mr. Olson explained that the handout was just to give the Board an idea of where the review is at. In the existing plant, even including the Carrousel oxidation ditch, there is not a lot of potential for future growth. With the other technologies, there is a lot of potential for future growth within the space that we have here.

Mr. Olson stated that this review is very preliminary and McMahon will go back and look at the processes to compare rehabilitation versus new construction costs. They will then come back with another preliminary report.

Dr. Jones asked about the advantages, other than capacity, to streamlining this process. He asked if it was more efficient. He specifically asked about the Salsnes filters and heating the solids. Mr. Olson explained that the Salsnes filters remove solids just like any type of a filter. The solids could then be sent into an auger press to press out liquid to reach 30% solids.

Mr. Olson further explained that 30% solids looks like a pile of wet dirt so you really wouldn't want to put something with that much solids into a digester even though you could. However, the possibility exists with 30% solids of putting it into a low temperature heating unit to dry off the rest of the water and to stabilize it for vectors such as bacteria. Once the bacteria is stabilized our sludge would become a Class I sludge that could be distributed to people who want to put it in their gardens or landscapers instead of our current Class II sludge that has restrictions on where you can dispose of it. Therefore, our disposal options would become much greater.

Mr. Olson continued explaining that these treatment technologies that use low temperature heat will remove water to the point that you are dealing with an 80% solids cake. This is a lot of water gone which also results in a lot of weight gone. Therefore the disposal costs also decrease even with the cost of heating it.

Mr. Olson stated that the bottom line is that, anything that is being reviewed, is being reviewed with this in mind. It may have a higher capital cost to begin with but it must

have a correspondingly lower user O&M (Operation & Maintenance) costs so that the users of our system benefit. It ultimately has to be a benefit to our users otherwise we might as well stay with our current technology.

Dr. Jones then asked if there are opportunities to heat the solids using methane or byproduct heat source. Mr. Olson advised that this was preliminarily discussed and there is a possibility that, if we maintained our digesters, we can generate methane gas and use it to heat the required heaters for the drying. Perhaps there might be other byproducts that might be created that could be used to generate some fuels.

Mr. Walus added that there is a significant reduction in electrical requirements with the Salsnes filters and Biostyr. He explained that there would be a significant reduction in horsepower so that we can treat more wastewater at a lesser electrical demand.

Mr. Phelps asked if the compressors would be different. Mr. Olson advised that there would be air compressors but they would be more modern, more efficient and lower horsepower.

Mr. Phelps thanked Mr. Olson for his report.

Mike Hoffman

Mr. Hoffman advised that there were no injuries or lost time during the last month. This makes twelve months with no lost time.

In reference to MS4 Update, Mr. Hoffman advised that the MS4 Advisory Committee has received informal approval to administer the program under Rule 13. The Advisory Group is anxious for formal approval.

Mr. Walus and Mr. Pugh of the Planning/Inspection Department have collaborated on a change in the building permit application form. The form now includes specific language for the applicant as well as a check list for the Sanitary District reviewer for the MS4 Program and Zoning Ordinance #160.0135, which requires special storm drainage provisions for improvements resulting in the creation of 10,000 or more square feet of impervious surface.

Jim Kintzele

Mr. Kintzele advised that Mr. Walus is working with the Mayor's Office concerning the Refuse Department's capital improvements for 2008. Hopefully in that year they will be able to begin to add some semi-automatic tippers on some of the trucks to help reduce injuries and increase efficiency.

Mr. Phelps asked what would be done about containers. Mr. Kintzele advised that containers would be furnished by the city. Mr. Kintzele pointed out that this is the only

way that he has seen this system work. If you wait for residents to purchase the containers, it would take too long.

Mr. Kintzele advised that Mr. Walus is also working with the Controller's Office regarding the budgets. They have just received the 2007 budgets and now he is working on the budgets for 2008.

In reference to injuries, Mr. Kintzele advised that the latest injury involved a Brown Recluse spider bite.

Mr. Kintzele advised that there is still one employee who has been off of work over a year. He was released and he filed suit which is being handled by the workers' compensation insurance carrier. However, it appears that the insurance carrier might put the employee back on workers' compensation disability because there was no final release from the pain management consultant. This matter is still pending and the employee will most likely go back on workers' compensation disability for a period of time until it reaches the stage that it is not going to get any better or worse.

Attorney Nelson commented that, as a point of clarification, it was not a lawsuit that was filed. This was a workers' compensation claim which goes before the Workers' Compensation Board as opposed to legal action in a court of law.

Mr. Kintzele advised that there can only be a medical argument. Attorney Nelson agreed and advised that there are various things that can be pursued under workers' compensation statutes that is, again, before the Workers' Compensation Board. The insurance company's defense counsel has already entered on behalf of the District so it is being handled and the District is being represented by legal counsel.

In reference to tonnage, Mr. Kintzele advised that there is a decrease of 177 tons of compacted refuse and a reduction of 22 tons of loose refuse for the first five months of the year. He hopes that it carries on this way for the rest of the year. If it does, his budget will be in good shape.

Mr. Phelps asked if there were any questions. There were none.

Attorney Bill Nelson

Attorney Nelson advised that there are 25 delinquent accounts, totaling \$4,369.04, to be recorded as liens requiring Board action.

Mr. Phelps entertained a motion on the matter.

Ms. Paul and Mr. Strauss made a motion to approve the accounts to be recorded as liens in the amount of \$4,369.04, as submitted – seconded by Dr. Jones. No discussion or comment on the matter. Motion carried 5 – 0 in favor.

Attorney Nelson advised that there was one bad debt this month, in the amount of \$159.57, to be declared as uncollectible due to bankruptcy requiring Board action.

Mr. Phelps entertained a motion on the matter.

Mr. Strauss made a motion to declare the amount of \$159.57 as a bad debt and uncollectible, as submitted – seconded by Ms. Paul. No discussion or comment on the matter. Motion carried 5 – 0 in favor.

Attorney Nelson then submitted a list of three liens to be released due to satisfaction of the liens and advised Board action was necessary.

Mr. Phelps entertained a motion on the matter.

Ms. Paul made a motion to approve the three Releases of Lien, as submitted – seconded by Dr. Jones and Mr. Strauss. No discussion or comment on the matter. Motion carried 5 – 0 in favor.

Mr. Phelps entertained a motion to approve and allow Revenue and Tax Levy claims for payment.

Ms. Simmons made such a motion – seconded by Dr. Jones and Mr. Strauss. No discussion or comments on the motion. Motion carried 5 – 0 in favor.

Mr. Phelps then entertained a motion to approve and allow claims for the Board of Public Works & Safety.

Ms. Paul made such a motion – seconded by Mr. Strauss. No discussion or comment on the matter. Motion carried 5 – 0 in favor.

Old Business

Mr. Walus advised that there have been agenda items and discussions about the Freyer Ditch Project along White Oak Drive in the past. He explained that there is an open ditch which is a legal drain. We are proposing to convert that to a storm sewer.

Mr. Walus advised that Burke Engineering submitted our application for a water quality permit for that project on June 8th. Mr. Walus explained that we are proposing to convert approximately 1,800 lineal feet of Freyer Ditch from an open drain to a storm sewer. As part of that, we are proposing mitigation on a current drainage ditch on the golf course. We are proposing restoring 1,815 bank feet of a currently encapsulated channel on the golf course. We propose to “daylight” that and to plant native grasses, shrubs and trees and create some ripple structures. In exchange for closing an open ditch, we are proposing mitigation on the golf course.

Mr. Walus advised that there have been discussions with IDEM and the Army Corps of Engineers and they seem receptive to this idea. Therefore we will go through the formal application process and hopefully obtain that permit.

Mr. Phelps asked the size of the storm drainage pipe. Mr. Walus advised that it is a 48 inch pipe.

New Business

There was none.

The next regular monthly meeting of the Board of Sanitary District Commissioners –
July 25, 2007 – 1:00 p.m. - 1100 E. Eighth Street

There being no further business to come before the Board at this time, on motion duly made and seconded, the meeting then adjourned.

Linda G. Simmons, Secretary