

Technical Advisory Panel SSTS Product Registration

Meeting: Thursday, February 15, 2024

10:00 a.m. to 3:00 p.m.

Minnesota Pollution Control Agency 520

Lafayette Road, St. Paul, Minnesota

Room LL South

Meeting Agenda

10:00 am: Welcome; Review agenda

10:05 am: June 14, 2023 TAP Meeting Notes – Review and approve
December 7, 2023 TAP Meeting Notes – Review and approve

10:10 am: Membership – Open position – 1 position At Large

10:20 am: Short Updates

- Wexco Update – Brian Koski Letter
- TAP Charter & Ground Rules – seeking subcommittee

10:30 am: Continuation of Sludgehammer HSW – Ryan Zaremba and Will Stoddard

- Draft Letter
- Submittal documents

11:30 pm: Product Renewals – Wendy

- Product renewals
 - Fuji Clean
 - AquaPoint
 - Anua

12:00 pm: Lunch

1:00 pm: Product Renewals cont'd – Wendy

- Hoot

2:00 pm: HSW Protocol

3:00 pm: Adjournment

2024 TAP Meetings

Thursday, April 18, 2024

Thursday, June 20, 2024

Thursday, August 15, 2024

Thursday, October 17, 2024

Thursday, December 12, 2024

February 15, 2024: Technical Advisory Panel
Meeting Notes

**Subsurface Sewage Treatment Systems (SSTS)
Technical Advisory Panel (TAP) for Product Registration**

Meeting Notes – February 15, 2024
RM LL South – St. Paul

Meeting Attendees:

Committee Members	Present on February 15, 2024	Guests	Present on February 15, 2024
Tom Espersen		Ryan Zarembo (Virtual)	
Mitch Johnson	X	William Stoddard (Virtual)	X
Pete Otterness	V	Mike Catanzaro (Hoot)	X
Alex Pepin		Dr. Wickham	X
Ben Hoyt	V		
Sara Heger	V		
Jon Olson			
Bob Whitmyer	X		
Scott Robinson	V		
Tyler Lampella	X		
Chad Viland			
Elizabeth Harbaugh	X	MPCA Staff	
Chris Priebe	X	Wendy Chirpich	X
		Cody Robinson	
		Aaron Jensen	X
		Steve Oscarson	X
		Brandon Montgomery	X
		Corey Hower	X

10:00 am: Welcome; Review agenda

10:05 am: June 14, 2023 TAP Meeting Notes – Review and approve

Motion to approve and second. A few changes were mentioned. Motion approved.

Middle of page 2 not, is should be it

A sentence in the middle ends with the and that sentence should be stricken from the notes

Middle of page 3 the sentence of something should, should start with the word Include.

December 7, 2023 TAP Meeting Notes – Review and approve

Motion to approve and a second. No changes needed. Motion approved.

Motion to approve both June 14, 2023 and December 7, 2023 meeting notes. Seconded. Unanimously approved.

February 15, 2024: Technical Advisory Panel
Meeting Notes

10:10 am: Membership – Open position – 1 position At Large
Wendy Mentioned that there is one open at-large position.

10:20 am: Short Updates

Wexco Update – Brian Koski Letter

Wexco letter is posted on the MPCA webpage.

TAP Charter & Ground Rules – seeking subcommittee.

Wendy would like to get a group together to talk about the ground rules and TAP charter. Bob and Mitch volunteered. It has been quite a few years since we have looked at the charter. Pete stated that he would also volunteer virtually.

UV disinfection supply chain letter is on the web, should it remain on the web? There was discussion on whose responsibility it was to monitor any shortages. There was further discussion and the group decided that it could be taken down off of the website. – After additional follow-up, speaking to some suppliers, the group learned that Salcor is still challenging to obtain and recommended leaving the letter on the web.

10:30 am: Continuation of Sludgehammer HSW – Ryan Zaremba and Will Stoddard

Dan Wickham, from Sludgehammer joined us for tap. Wendy asked if we should double products like we do for other products. Dan said they would be really doing engineering on each system. They mix and match product sizes and detention rates. Dan asked how sites are permitted in MN. We explained that the county oversees the permitting of SSTs locally to each county. Larger than 10,000 is through the state. A member asked if they have an O and G maximum. They like to have enough capacity to get it below 50 mg/l. Another member asked about the engineer piece and how he could work with a staff engineer. They have an engineer on staff, and they would like to have things moving through them before the design is finalized. Will said they would work specifically with each designer to find the best fit for the property. Wendy asked if they require a filter. Yes, they would require a filter. Simtech filter is the filter they would recommend, but they could work with any filter that supports the need of that scale of project. There was discussion on recirculation and aeration. Where do they like it to go. Back to the initial tank in the treatment train. Will explained the treatment train of the product and location of the effluent filter. Use of locally accepted septic tanks based on the system sizing. The treatment is on the inlet side of the tank. Question from member about Type IV versus Type V due to the engineer. There are certain details that they will implement to meet that chart in Type IV to fit into the Type IV category. There was discussion on scalability, and it was scalable based on the configuration. There was discussion on flow and sampling protocol. A motion to approve the product was made to approve they product for HSW use. **Seconded. Approved Unanimously.**

11:30 pm: Product Renewals

Product renewals

Wendy went over the already approved products from the December meeting. Aquapoint has not gotten back to us and is unsure if they want to be registered. Fuji Clean provided all the information for renewal. Anua added three products and made some name changes to the products. Engineered sign off on HDPE tank. Some comments on Anua Aerocell, there are five pictures that show a cut away mention weepholes and bottom draining, so they need to get rid of in tank weepholes as that is not allowed. They also mention pad and they should remove that language to say pressure bed or distribution media. There was discussion on MN specific stuff and making this registration MN specific. Could there be an addendum to how they handle this on the MN side.

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There was a point that they should make sure they have the MN specific document. Wendy will reach out to the manufacture to have those changed before they are registered. A portion talked about tank installation and adding per MN tank manufacture. Motion to approve for a full three-year renewal of Fuji Clean USA CE & CEN Series and Anua Aerocell with requested changes as discussed in the meeting. **Seconded. Passed unanimously.**

Fuji Clean - Approved

AquaPoint – Did not submit request for approval and will be removed.

Anua – added some changes to their registration and will need to make some changes to their manual before product is registered. Wendy will work with manufacturer.

12:00 pm: Lunch

1:00 pm: Product Renewals continued.

Hoot

A TAP member went through the issues they have seen with Hoot. Blower being installed under the ground service. The guidance does state to install on top of the ground. The blower housing is also filling with water. There is also some venting issues. Mike explained that he was brought on to work on the regulatory issues. Their distributor is Weiser Concrete Steps. Many of the issues in the document has been addressed. They plan to have a training this spring to help to continue to address these issues. Mike is working on a developing an O and M guidance for MN. Mike would like a copy of the documents we have on file for review. Someone asked where the sampling location should be located. Mike said in the pump tank there is a spigot from the sampling port of the pump tank. Another issue is the regrowth in the pump tank. Mike talked about disinfection and that is treating the fecal. If the sample is taken in the clarifier, they meet under the 10,000 fecal, but if they sample out by the pump tank it is often higher and over 10,000 fecal. Mike talked about chlorinating the tanks once they pump it out. Someone asked if this was for treatment level A. Level A is 1000 fecal and 10000 fecal is level B. There could be some sampling issues with the service provider pulling samples. A member recommended not taking samples from pump tanks, because it can affect the results. The consensus was to collect samples in a different location rather than in the pump tank. The local manufacturer is recommended to use Muriatic acid to clean the stones. Mike said it's not a scheduled type of maintenance issue, it's on a as needed basis. Another issue is condensation in the airline with freezing. The installation guidance is to slope it too the tank. Mike said there is a filter available that can be used to help with that issue. Mike said what's done is done and that we should look forward to the future to correct these issues with better guidance and training. Mike said they will have an 8-hour installer training. Service of a hoot would need annual training. Mike said in other areas everybody gets a renewal process. Mike will be updating the manuals in the next few weeks and will send the new information to Wendy. TAP will review and consider the new information at a future meeting. Mike will also let Wendy know when the 8-hour installer training will be held, likely in April.

2:00 pm: HSW Protocol Form

There was much discussion on the protocol and the form. The panel agreed that we need to have a better determined end point. How many systems monitored for how long. Right now, there are no specific terms to complete the full product registration, other than when TAP determines its registered.

Next steps would be to revise the HSW protocol and make it more usable for the group. They will all look at it and make recommendations. Wendy will send an email out to the group, and everyone can work through the HSW protocol and be prepared for next meeting.

February 15, 2024: Technical Advisory Panel
Meeting Notes

3:00 pm: Adjournment

Motion to Adjourn at 2:25 PM. Seconded. Unanimously approved.

2024 TAP Meetings

Thursday, April 18, 2024

Thursday, June 20, 2024

Thursday, August 15, 2024

Thursday, October 17, 2024

Thursday, December 12, 2024

Technical Advisory Panel SSTS
Product Registration Meeting:
Thursday, April 18, 2024
10:00 a.m. to 12:30 p.m.

Meeting Agenda

10:00 am: Welcome; Review agenda

10:05 am: February 15, 2024 Meeting Notes -- Review and approve

10:10 am: Membership – Open position – 1 position At Large

10:15 am: HSW Delta Ecopod Submittal

11:00 am: ANUA AeroCell Registration Update

11:10 am: Hoot Renewal

11:30 am: HSW Protocol Form

12:00 pm: TAP Charter & Ground Rules – update Adjournment

2024 TAP Meetings

Thursday, June 20, 2024

Thursday, August 15, 2024

Thursday, October 17, 2024

Thursday, December 12, 2024

**Subsurface Sewage Treatment Systems (SSTS)
Technical Advisory Panel (TAP) for Product Registration**

Meeting Notes – April 18, 2024
Virtual – Teams Meeting

Meeting Attendees:

Committee Members	Present on April 18, 2024	Guests	Present on April 18, 2024
Tom Espersen	X	Sheryl Ervin (Infiltrator)	X
Mitch Johnson		Travis Johnson (Infiltrator)	X
Pete Otterness	-	Allison Blodig (Infiltrator)	X
Alex Pepin		Mike Catanzaro (Hoot)	X
Ben Hoyt	X		
Sara Heger	X		
Jon Olson			
Bob Whitmyer	X		
Scott Robinson	X		
Tyler Lampella	X		
Chad Viland	X		
Elizabeth Harbaugh	X	MPCA Staff	
Chris Priebe		Wendy Chirpich	X
		Cody Robinson	-
		Aaron Jensen	X
		Steve Oscarson	X
		Brandon Montgomery	-
		Corey Hower	X

10:00 am: Welcome; Review agenda

10:05 am: February 15, 2024 TAP Meeting Notes – Review and approve

Sentence 3 the guidance does suggest that it needs to be on top of the ground.

Capture more of the conversation in the future.

As edited and amended a Motion to approve and second. Motion approved.

10:10 am: Membership – Open position – 1 position At Large

Have one vacancy in the at large position. Did get an application from Jason Walsh. No further discussion

10:15 am: HSW Delta Ecopod Submittal

Allison Blodig went over the presentation of the work they did. They have right around \$67,000 to monitor the systems. The report took about \$40,000 to develop. Asking the TAP for full product registration based on what they done. Monitored 4 food service facilities, convenience store, RV dump station. Two systems were designed

April 18, 2024: Technical Advisory Panel
Meeting Notes

by PE's. 5 systems were sampled quarterly. 1 system was sampled 3 times to date. 1 new system sampled. 99.9% of systems met HSW parameters on at least one influent parameter. North 20 brewery design flow 1570 and design BOD at 400 MG/L. Flows exceeded what they expected a few times. Needed holding tanks for brewery waste but didn't have that. Didn't know they could treat brewery waste, but the system did very well. Don't think they have an operator. Red Eye Tavern design flow of 860 gpd with a 450 design BOD5. Changed food that they now offer beyond just frozen pizza. No maintenance for four years and still meeting parameters. White water RV Dump station design flow 800 gpd and Design BOD5 900mg/l. Again, meeting the requirements of the HSW. Shakopee EQ design flow of 2835 GPD and design BOD5 is 452 mg/l. Meeting results for this system as well. Took 84 effluent samples. 96% passed TLC requirements. Only 2 had O&M providers. Bill's Superette and Koronis. Shakopee bowl just got a service provider. Moving forward would like the ECOPOD to move past the conditional registration to full product registration. They have proven the product is robust. They can't be the enforcement to make sure they are maintained. Travis Johnson was involved and disheartened that the follow up was not happening on these systems. People are neglecting that they need service. A member said LGU's need to be more involved with this. If you want all this stuff to work the LGU's need to be more involved with these products. There has to be something to make sure these are taken care of. Another member said they collected the samples for this report. Some folks had maintenance and didn't have the proper people in place like a service provider. The issue is operating permits and the enforceability or lack of. Sheryl said this gives them a baseline that they are meeting these requirements and the idea is that it is shifting over to the property owners. Whenever the property owner has something invested in it, they do better. Another member thanked them for the cost breakdown of the testing. Don't see many service providers available in the NW. Part of the problem is there are very few service providers out there to do this work. Another member said that if operating permits were being enforced, the need for them would go up. Owners think they have a regular system and when in fact they don't have one. Another member talked about how LGU's do get involved, but its not a priority for other things. Travis Johnson talked about his work with Septic Check. Folks who fill the Service Provider industry they are on call 365. He also talked about distribution for selling these products and they don't necessarily know who is responsible for all of the work related to the system. Another member talked about how they installed ecopods and they work well. He does education as a designer about on-going maintenance that needs to happen. Another member that works for a county that likes to see technology that are robust and doesn't need a lot of maintenance. Up to this point it hasn't been focused on, but they hope to change that. A lot of type IV technologies in his area and the need for technology is needed in that area. Sheryl said they are sometimes up to four times removed from the actual people that are doing this in the field. They will continue to have an active participation. A member stated that Nibbler requires quarterly sampling on their warranty period. Maybe that is something they could add into this discussion. Allison said some sort of sampling is recommended for each product. Discussion on warranties. Travis said that these systems are rapidly exceeding \$100,000 really fast. The common theme he seen is that they were exceeding flow and waste strength. Anything they can do to keep cost in mind for these people. Sheryl talked about the parameters in place for the design and make changes and don't go back to the designer to mention those changes which would affect the system. A member talked about operating permits and how they need to reverse course on systems that are not being maintained. A member said having better guidance from the state for these HSW products. If we had better guidance moving forward. How do we move forward. Don't expect there will be anything new that we learn. A member suggested if we need to continue sampling. A member said the technology has shown that it meets the necessary subject. A motion to make ECOPOD conditionally registered without further testing. Seconded. Discussion A member thinks we should use this data to make ansi accreditation

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Meeting Notes

to this. In the future we are not going to have a testing protocol. Another member thinks that the testing that was done was equivalent too testing and will cost them a lot of money to go through the testing.

Motion to make ECOPOD conditionally registered without further testing. Seconded. Approved.

11:00 am: ANUA AreoCell Registration Update

Wendy explained that they are using the weep hole in the tanks like the puraflo system. Wanted to make sure that it was ok to leave the weephole in the tank like the puraflo. One member has a lot of these bottom draining system and doesn't see any issue with the bottom draining pods. Another member has seen the bottom draining ones working better than the dosed ones.

Motion to reconsider the last motion. Seconded. Approved

Motion to renew the Anua AreoCell as designed. Seconded. Approved

11:10 am: Hoot Renewal

Wendy provided an overview about the new documents that they created. Mike asked if anyone had any questions. One member talked about the installer guidance. All manually seem to coincide. If an installer doesn't attend the training, would they be able to install a system. Mike said they would expect that their distributor would be providing the training. They could contact the manufacturer to see if the person did the training. The training went very well and clarifying the guidance worked out very well. Updated manual and letter on websites.

Motion to renew the Hoot product for registration. Seconded. Approved.

11:30 am: HSW Protocol Form

Wendy said we postponed this last time. 30-day average vs 30-day flow, how many systems, and how long do systems need to be sampled. One member of said we just seen an example of this. Another member talked about becoming fully registered includes a national level test done. We should think about this as a true verification. Discussion on testing required needed to be registered. Does number 7 provide flexibility of consistent within the rule. Maybe we wouldn't have to follow product registration identically. Could we do it without having to follow the national testing protocols. There is no national testing. We are not actually approving a product we are registering. Aaron talked about the history of this issue and that there is no national testing, so we developed a conditional registration with sampling, we weren't getting the testing and implemented the HSW protocol in order to actually get testing. We now have testing and can continue to have them as conditionally registered. If a product doesn't do the testing, they will drop off the conditionally registered list. A member asked if an ETV testing(7083.4000 subp. 2 B 4) could be used as part of the registration. Aaron will look into it with legal to see what we are able to do. We need the clarification on consistent (7083.4000 subp. 2 B 7), A member said we can take a look at registration and MPCA liability. The onus is probably on the manufacturer. One member talked about practicality about guidance for each product and is less worried about the legal aspect of this process. As long as we are paying attention to the legal and practicality of the project. Aaron and Wendy will work on guidance for the next meeting. Following 7083.4000 subp. 2 B 7 and see if we can look at the whole thing about full registration. Final word to Infiltrator on the sampling requirements.

12:00 pm: Tap Charter & Ground Rules

Wendy did an introduction. One member provided some comments. Wendy went over the document. Adding the non-advisory work group being appointed to commissions. Wendy went through each heading individually. Under

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Meeting Notes

reports we could include a portion about making information available on an as needed basis. Bring up the charter at the next meeting have any comments and bring this as a final for approval at the next meeting.

Motion to Adjourn at 12:02 PM. Seconded. Unanimously approved.

2024 TAP Meetings

Thursday, June 20, 2024

Thursday, August 15, 2024

Thursday, October 17, 2024

Thursday, December 12, 2024

Technical Advisory Panel SSTS

Product Registration Meeting:

Thursday, August 15, 2024

10:00 a.m. to 12:30 p.m.

Microsoft Teams

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Meeting Agenda

10:00 am: Welcome; Review agenda

10:05 am: April 18, 2024 Meeting Notes -- Review and approve

10:10 am: Membership – New Member Jason Walsh, Introductions

10:15 am: Prinsco Pro4 Onsite Chambers

11:00 am: Norweco UV Light

12:15 pm: Adjourn

2024 TAP Meetings

Thursday, October 17, 2024

Thursday, December 12, 2024

Subsurface Sewage Treatment Systems (SSTS)
Technical Advisory Panel (TAP) for Product Registration

Meeting Notes – August 15, 2024
Virtual – Teams Meeting

Meeting Attendees:

Committee Members	Present on April 18, 2024	Guests	Present on April 18, 2024
Tom Espersen	-	Brett Wieber (Norweco)	X
Mitch Johnson	X	Jennifer Keller (Norweco)	X
Pete Otterness	X	Judd Efinger (Prinsco)	X
Alex Pepin	-	Zach Jemming (Prinsco)	X
Ben Hoyt	-		
Sara Heger	X		
Jon Olson	-		
Bob Whitmyer	X		
Scott Robinson	X		
Tyler Lampella	X		
Chad Viland	X		
Elizabeth Harbaugh	X	MPCA Staff	
Chris Priebe	X	Wendy Chirpich	X
Jason Walsh	X	Cody Robinson	-
		Aaron Jensen	X
		Steve Oscarson	X
		Corey Hower	-

10:00 am: Welcome; Review agenda

A member wants to talk about Type III and Type IV situation.

10:05 am: April 18, 2024 TAP Meeting Notes – Review and approve.

Page two exceeding flow and waste strength instead of was strength. Motion passed but what was the motion and did we have one. Put motion in bold to clarify motion. Under HSW protocol form we say we tabled. Should be postponed instead of tabled.

Motion to approve meeting minutes from April 18th, 2024 and second. Motion approved.

10:10 am: Membership –Welcome Jason Walsh. Panel is full!

Jason introduced himself.

Added topic

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Meeting Notes

Pete's question on what we call a type III system with a type IV technology. What do we call it and how do we handle it? What is it considered in 2024? Because it has a technology one member calls it a type IV. Another member said this was discussed at an Advisory Committee and it was called a Type IV. Feel like we have had this conversation before. Another member talked about being comfortable with that combination. Exactly where we were and just wanted to make sure we call it right. It would be called a Type IV. Some LGU's call it both.

10:15 am: Prinsco

Wendy introduced the members from Prinsco. Judd provided an overview of the new product. All forms of chambers are listed with for approval. Just submitted the chambers that will use in MN. Sand spec is a C33 sand and they will align. Will revise to use the spec in 7080 in their manual. He will expand that percent passing sieve and will represent 7080. Questions around the fabric. The issue with infiltration into the chambers over the past 30 years is narrowed to a fine sorted wind-blown sand. In that environment recommend a filter fabric and plan to make a revision to change Typar to Typar geotextile wrap. Leads to standard of practice and talked about the angle of repose by 1 degree to help with sand movement, but the filter fabric will be the solution. A question about use of galvanized with the use of mesh. How long do you expect it to last? Judd said the issue is typically concurrent with use. Once you have provided effluent, you shouldn't see an issue with burrowing. A member talked about the wind-blown sand. A little nebulous about when we should or shouldn't use it. Judd said using it on every single site would be overbearing. They leave it up to the designer to make the call based on the soils found on site. Relatively inexpensive safety measure. It becomes more of a standard of practice. Another member said that it may make them a premiere manufacture. He is a designer that would add it to every installation. Judd said it does require care in backfill. A member talked about rodent protection. Has found a lot of plugged chambers over time. He has a gut feeling that they are going to have plugging issues with gravity and serial distribution. Judd said it's a similar discussion with the industry. Judd asked if we have serial distribution. A member said that serial distribution is the preferred method. A member suggested we bring this topic to a future meeting to have a burrowing animals discussion. A member had a question on page 19 of the manual with the atgrade. How is it going to move between the louvres? Judd said that its just an oversight and will add pressure to the remaining pipes. What they have proposed is technically allowable. Much discussion on atgrades and configurations of a single pipe versus multiple pipes. Judd said that that they would add a pipe to all three chambers in the at grade. One member talked about chambers in the ground and that they need to feed it at the distribution level of the full louvers of the product. Diagram on bottom of page 15. Judd explained the diagram probably needs to be modified to shown pipe strap removal. A member brought up the Step 3 on page 15 on clearing debris. Then on page 20, number 3. Hand raking and scarify to put sand down. Judd will add that local code takes precedent. Hand raking will probably be needed. For the atgrade and the mound. It says native soil with the topsoil removed. We shouldn't remove the topsoil in these applications. A member stated that the original soil must be roughened.

Motion to approve the Prinsco chambers with the conditions of the manual corrections as discussed and second. Motion approved.

11:00 am: Norweco UV Light

Wendy introduced Norweco to talk about their product. Brett explained the product. He deferred to us to answer any question that we might have. A member asked if a product is approved with a salcor light could they use the Norweco light in place of the salcor. They are submitting for behind any treatment product. Did they do any

August 15, 2024: Technical Advisory Panel
Meeting Notes

testing behind any other products other than Norweco products? No their testing was behind Norweco products. Another question was anything about tannins in the wastewater during testing. They don't believe so. There was a question about UV inference. Brett talked about a one sheet performance sheet that was included in the packet that shows how the product meets 30 and 30 and 10 and 10 treatment. One light can treat up to 8500 gallons per day. Need to make sure the bulb is clear between service intervals. If the transmissivity goes down there will be a visual and auditable alarm. The control panel is monitoring the transmissivity and will alarm if the bulb is not maintained and cleaned. Its monitoring the transmissivity of the bulb. Another member said that is should line up with their treatment levels A, A-2, B and B-2. Another member said it would be good to have another UV treatment product. Is there a rule that doesn't allow us to not approve a treatment train. Do we allow it to be uncoupled and do other manufactures wish to allow it to be used. They have a good working relationship with infiltrator. Infiltrator went to the state of Washington and said that they want to use the Norweco unit in their systems. Could a unit listed with salcor be uncoupled to use it with the Norweco? A member discussed the thought of a chlorine product that was registered separately. A member said he doesn't see anything that precludes us from registering a UV disinfection on their own. The question remains that would they allow it with their product. Do they have a flow splitting mechanism for ramping up to more than 500 gallons per day? The designer would have to scale up the 500 gallon to multiple units used on larger flows. Install units in parallel to scale up with a flow splitter, so they are getting proper distribution. Another question is what happens to performance below 6 degrees centigrade? Jennifer didn't have that information in front of her and would work to get that. They are actively being installed in Alaska, so they can handle the cold temperature. Another question is that when the testing was done they were using a Norweco system in front of the system. Brett is pretty sure that it was a Norweco system. Another question is about the testing procedure was dosing. Brett said the system is designed for gravity flow. It has to be gravity flow and not designed for pressure flows. The testing parameter is at 1.5 gpm and 500 gpd. They have testing data at North American testing that it treats at a higher rate. It performs at a higher rate. Another question in the owners manual on the second column says the product can be installed on any treatment product. Needs to be something that states more specificity to that to make it clear. They can make the change. Not make a decision now and will need information from MPCA on how we should be doing it and will need to get new information for the TAP to review. Could approve this as a stand alone product. If down the road they are making fixes they could use this as a replacement product. Similar to a pump that if it meets certain specifications and as long as it works it should be able to be used. MPCA would need to make a document that says the product meets these requirements and that you need to work with your product manufacture to determine if this product can be used. Question is can we uncouple those as a registration part of their product. Washington state has approved their unit to be used behind any treatment. Do you have a copy of the draft letter from MPCA and are they ok with what they have referred in the MPCA letter. Brett said that makes sense to them and that they will provide information about larger system at a larger rate. If data submitted that says it was tested at a higher level than it could be handled by the MPCA. They asked if they can proceed at this level now. If they wanted to modify it later they could. Should it be 500 gpd or 1.5 gallons per minute. They are two different numbers.

Motion to approve Norweco with all of the discussion changes described made and second. Motion approved.

A member brought up grease traps and when would you say it needs to be clean. When is it full.

Motion to Adjourn at 12:15 PM. Seconded. Unanimously approved.

August 15, 2024: Technical Advisory Panel
Meeting Notes

2024 TAP Meetings

Thursday, October 17, 2024

Thursday, December 12, 2024

Technical Advisory Panel SSTS Product Registration

Meeting: Thursday, December 5, 2024
10:00 a.m. to 11:30 a.m.

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Meeting ID: 251 570 904 889

Passcode: AM3Dm6hk

Meeting Agenda

10:00 am: Welcome; Review agenda

- Introductions – Aaron Patrick

10:05 am: August 15, 2024 TAP Meeting Notes – Review and approve

10:10 am: Supply Chain Letter

10:20 am: Product Renewals – Wendy

- 2024 Renewal Summary

10:45 am: BioMicrobics – MicroFAST

11:00 am: SludgeHammer

11:15 pm: 2025 Meeting Dates

11:30 pm: Adjournment

2025 TAP Meetings

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Virtual – Teams Meeting

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Tyler Lampella	X		
Chad Viland	X		
Elizabeth Harbaugh	X	MPCA Staff	
Chris Priebe	X	Wendy Chirpich	X
Jason Walsh	X	Cody Robinson	-
		Aaron Jensen	X
		Steve Oscarson	X
		Corey Hower	X
		Aaron Patrick	X

10:00 am: Welcome; Review agenda, Introductions

Everybody introduced themselves. Aaron Patrick introduced himself to the group as the new SSTS Coordinator.

10:05 am: August 15, 2024 TAP Meeting Notes – Review and approve.

No comments.

Motion to approve meeting minutes from August 15, 2024 and second. Motion approved.

10:10 am: Supply Chain Letter

Do we need to continue to keep the letter on the website or
not. Are we still seeing issues with the supply chain?
Should we remove the letter at this point?

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One member said they don't know how to answer that question. Another member will ask one of his vendors. Discussed to leave it up until next meeting and revisit it then. Received an email at the end of the meeting and there are some proprietor related products that have been hard to get. Leave the letter up for now.

10:20 am: Product Renewals

Wendy went over the products for renewal. EZ treat was added to this list.

Wendy plans on removing the following from our website at the end of the year:

Consolidated Enviro-Guard

Zoeller – Fusion

Would like to entertain a motion to renew:

Aero Stream – Eco-Nest

Anua – Purasys

BioMicrobics – NitriFAST and ABC N

BioMicrobics – MicroFAST 3, 4.5, 9

Consolidated MultiFlow

Consolidated Nayadic

Eljen – GSF

Infiltrator Arc Chamber

Infiltrator Biodiffuser

Infiltrator EZ Flow

Infiltrator Quick 4 & 5 Chamber

EZ Treat Company

Motion to approve the renewal of above products and second. Motion approved.

Waiting to hear from: Wendy will reach out to them again.

AquaTest – The Nibbler

AK AH Manufacturing

Prinsco Pro4

10:45 am: BioMicrobics MicroFAST

Discussion and entertain a motion to approve Model 0.4

BioMicrobics – MicroFAST, Residential Sewage, TL: A, A2, B, B2, C, TN

- They added a smaller model for 400 gpd. They have the NSF approval for this.
 - 300 gallon pretreatment Chamber
 - 570 gallon aeration chamber
 - 12.3 cubic feet of media filtration
 - NSF Approval and new Manual

Attached is the updated manual. One member asked if they had a scale down letter. Wendy showed the scale down letter. A member made some comments about the product usability. Another member said this is the only

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part of the tank where treatment takes place. Takes the place of the outlet baffle. A member stated that it aerates the entire tank compartment. Typically time dosing to the mound after this. Does this aerate the entire 300 gallon chamber? Going in treating it and going out. They have an airlift pump that treats the sewage.

Motion to approve BioMicrobics MicroFAST and second. Motion approved.

11:00 am: SludgeHammer

SludgeHammer, Residential Sewage, TL: B2, C

- Models: S-400 and S-600
- Application Received
- Slight Change in S-600. Former model included 1 S-86 Aerobic Bacterial Generator and 1 Bottom Diffuser. On March 27, 2023 NSF issued a revised NSF supplemental Report with a new design for the S-600 which now includes 2 S-86 ABGs. All other specifications and components remain the same. NSF Testing Attached.
- Received current manual

Wendy went over the changes. One member asked if any were installed. We don't think there has been any installed. A member talked about how they used some for milk house waste.

Motion to approve SludgeHammer and second. Motion approved.

Could we start the meeting at 9 instead of 10. Tentatively move those two meeting dates ahead one week. Will start meetings at 9:00 if it's the virtual option.

11:15 am: 2025 Meeting Dates

Thursday, February 20, 2025

Thursday, April 17, 2025

Thursday, June 19, 2025 June 12th

Thursday, August 21, 2025

Thursday, October 16, 2025

Thursday, December 18, 2025 December 11th

Going to be starting a service provider group to talk about operating permits and such. Operating permits are not being enforced or adhered too. A member thinks it's the role of the LGU. Another member is going to bring it up at the AC meeting and talk about the service provider end of things. One member said they think there is a role in this and the manufacturers have a stake in this as well. Much discussions on the LGU's role and part in this. Time constraints for service providers is huge constraint. Another member talked about Nibbler warranty and servicing the system. Buy in from leadership at LGU is necessary. Are we seeing more people coming to training. Couple hundred people come to the training every year.

Motion to Adjourn at 10:48 PM. Seconded. Unanimously approved.