



*South Suburban Sanitary District
2201 Laverne Avenue
Klamath Falls, OR. 97603
Phone 541.882.5744 Fax 541.882.5013*

Board of Directors
Position 1 - Joe Spendolini
Position 2 - Kevin Harter
Board Chairman
Position 3 - Michael Koger

District Manager/Secretary
Brett Blofsky

BOARD WORK SESSION MEETING MINUTES
Internal Workshop for Jacob's Engineering Scope
July 31, 2023 @ 11:00 AM
District Office

Meeting called to order: 11:01 am

Roll call of Directors - Chairman Spendolini and Director Koger. Also present: Brett Blofsky (District Manager), Nicki Strain (Finance Director), Jason Morrow (Collections Supervisor), Sally Bratton (Treatment Plant Supervisor), Jon Lee (Treatment Plant), Alex Grounds (Treatment Plant), and Dan Scalas (Adkin's Engineering).

Public Input/Comments: No public present.

Mr. Blofsky explained that we are meeting today to review the proposal/scope of work from Jacob's Engineering for the facility upgrade.

Mr. Scalas explained that we need to refine the scope of work before it is finalized.

Chairman Spendolini asked if any present had any concerns regarding the proposal.

Ms. Bratton had questions on behalf of the operators. She had concerns regarding the process if we go with the UV option. Mr. Scalas made note of the redundancy in the disinfection. It would be preferable to have covered disinfection vs. open. Discussion continued on how this would be achieved. If UV is approved, would it be possible to have chlorine as a backup? Mr. Lee described his tour of the City of Bend treatment plant. They currently use UV but feel that chlorine works a lot better for disinfection. The cost of chlorine has increased a lot in the past few years. Ms. Bratton would prefer to not go with UV due to the maintenance. Chlorine is less operation & maintenance (O&M) and the clarity is better as well.

Chairman Spendolini asked for recommendations. We need further clarification regarding the benefits of UV vs. chlorine. Two channels would be needed for UV but only one for chlorine. There were concerns regarding the UV bulbs popping. Mr. Blofsky indicated that we should also get information on the sodium hypochlorite. Ms. Bratton will confirm with the City of Klamath Falls that they are in compliance using sodium hypochlorite. Discussion followed regarding the effectiveness of chlorine vs. sodium hypochlorite and cost difference as well. There would be minimal changes needed to switch to sodium hypochlorite. Chairman Spendolini asked if there were any risks involved with sodium hypochlorite. It is agreed that chlorine is getting far too expensive and the price keeps increasing.

Ms. Bratton then discussed the screening. The proposal mentions a manual bar screen. She is concerned and feels that it is a safety issue due the raking needed on a manual bar screen vs. an automated bar screen. She recommends the automated rake type instead of a manual



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one. Mr. Blofsky and Mr. Lee clarified that the manual portion would be an add on and we would still have the automated bar screen. It is unclear why this is part of the proposal. Ms. Bratton was hoping that the proposal would have a step screen instead of the rake style.

Chairman Spendolini suggested that we periodically remind customers of what to flush and what not to flush. It is hoped that we can deter a lot of the issues with things that are flushed into our system. He then asked that the Treatment Plant send an email to Mr. Blofsky and Mr. Scalas recapping all of their concerns in the proposal.

Mr. Blofsky stated that we are going to add floating solar panels to the proposal. Mr. Scalas explained that we need an analysis on the DAF and SAF filters including solar as an additional option to offset costs.

Discussion followed regarding the cost of chlorine and why it has increased so much.

Chairman Spendolini stated that we are working on a tight timeline and decisions need to be made quickly.

Mr. Blofsky explained the questions he has regarding the proposal. Ms. Bratton clarified that there is no asbestos present in any of the buildings. They are mostly concrete and pumice blocks.

Discussion followed regarding Oregon Buys, formerly known as ORPIN. It was agreed that the District should get signed up for access to Oregon Buys. There are cost saving advantages associated with being members.

Discussion followed regarding potentially paving the roads at the Treatment Plant. There will be a lot of heavy equipment and delivery vehicles in and out of the Treatment Plant during the facility upgrade. There is a large network of roads at the plant. Mr. Scalas stated that it is up to the District to determine if they would like to include paving in the proposal. He feels that it would be more expensive to include this item in the proposal. He also feels that there are not any issues with heavy equipment on gravel roads as they are now. Discussion followed regarding access to O&M during the winter. The roads are currently plowed each winter to get access. It was generally agreed that gravel roads would be better. It was also agreed that large equipment access should come in through the gate at the District office.

Mr. Blofsky stated that geo tech testing of core samples should be done on the dikes. Mr. Scalas explained how this is done. He suggested that we have Jacob's Engineering give us a quote on this as part of the proposal. Mr. Blofsky agreed. Ms. Bratton gave some history on the materials used to construct the dikes. When the cross over pipe was done, the material at that depth looked good. Chairman Spendolini is concerned about the timeline and what we should add to the proposal. The core sampling would be done at the same time as the facility upgrade. Discussion followed as to whether or not the findings would hold up the project. Mr. Scalas doesn't feel that this would delay the upgrade. The other things that need to be addressed could be done



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simultaneously. It would be better to have any issues addressed before construction begins or very early in the process. He will bring this to Jacob's Engineering's attention.

Ms. Bratton asked about the three monitoring wells and how this upgrade will affect them. Discussion followed regarding the requirements on these. The water in the wells were tested to see if there was any contamination to the ground water. She doesn't recall any results being received. Chairman Spendolini clarified that most of the construction will be below the dikes. There shouldn't be any additional weight on the dikes.

Ms. Bratton discussed the timeline for the levy improvements for 4a and 4b. There is a liner for 4a in the proposal and all are unsure how it got there. It is not on the schedule according to Mr. Scalas.

Ms. Bratton stated that the sodium bisulfate building was moved last week and it now has power. Probiotic application will start at the end of this week. It takes approximately 6 months to start seeing results.

Discussion followed as to when the facility upgrade would begin. It would be summer of 2024 at the earliest. If the probiotic works, we shouldn't need anything done in 4a. Mr. Grounds described the other entities that are using probiotics. This has worked very well for them.

Ms. Bratton discussed the need for grit removal. There is nothing in the proposal regarding grit removal. The step bar screen could possibly remove a lot of the grit. It could cause a problem for the lagoons though.

Director Koger asked who will be doing the study on the chlorine vs. sodium hypochlorite. There needs to be a cost comparison analysis. Mr. Scalas stated that Jacob's Engineering would take care of that. He then asked if we would have the chlorine backup option to the UV. Discussion followed if UV would even be an option for the District.

The District will need to add the cost of a building for the sodium hypochlorite to the proposal.

Discussion followed regarding potholing for the utilities. Everyone is in agreement that this is acceptable.

Mr. Scalas had questions on cost analysis, disinfecting, solar panels, and DAF vs. SAF. The District does not need a boiler or cooling towers. A tank heater would work in the case of a catastrophic event.

An item missing from the scope of work is having the SCADA control people onsite first thing. We would also need Jacob's Engineering present simultaneously.

Chairman Spendolini asked when Jacob's Engineering was going to respond to DEQ's comments on our proposed facility upgrade plan. It will be next week.



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Chairman Spendolini updated those present on the conference he and Brett attended last week. He stated that they met the new Director of DEQ. DEQ is optimistic about water reuse options.

Discussion followed regarding the additional security cameras needed at the Treatment Plant. Mr. Blofsky suggested that we take the security cameras out of the scope. This item can be taken care of by Bear Tech or Basin Alarm at a lower cost. This would be taken care of after the project. Chairman Spendolini is concerned about the traffic through that area until we have a fence. He feels that cameras need to be taken care of first to keep an eye on the project. It was decided to leave the cameras in the proposal for now.

No fencing is included in the proposal. It was agreed that we need to include a new fence in the proposal to protect the new facility and equipment.

Director Koger asked when we will have the questions answered. Mr. Scala's indicated that Brady with Adkin's Engineering will be back in the office next week so we should hear something soon.

Other - no other business was discussed.

Meeting adjourned at 12:17pm

ATTEST:

Brett Blofsky, Secretary

Joe Spendolini, Chairman

Date