

Project Status Report



Task Orders

Heart of the Valley Metropolitan Sewerage District (HOVMSD)
Donohue Project Number 13649

Period | July 22 – August 26, 2023

Invoice 39

Budgets

Task Orders	Status	Budget	Spent	% Spent	Remaining
1 Master Planning - Step1	Complete	\$25,400.00	\$25,400.00	✓	\$0.00
2 Master Planning - Effluent Filtration	Complete	\$24,925.00	\$24,925.00	✓	\$0.00
3 Local Limits Support	Complete	\$9,500.00	\$9,500.00	✓	\$0.00
4A Effluent Filtration - Design	Hold	\$688,580.00	\$688,080.55	✓	\$499.45
5 Advancing Local Limits	Hold	\$14,250.00	\$4,987.50	35%	\$9,262.50
6 I/I Modeling and Analysis	Active	\$79,980.00	\$78,380.40	98%	\$1,599.60
7 Re-Rate and Cold-Weather Stress Test	Complete	\$14,800.00	\$14,800.00	✓	\$0.00
8 Effluent Filtration - Construction	Active	\$1,096,219.00	\$454,210.65	41%	\$642,008.35
9 Landfill Leachate Assistance	Hold	\$10,000.00	\$6,029.38	60%	\$3,970.62
10 Waste Tank Rehab RFP	Active	\$18,405.00	\$18,368.43	100%	\$36.57

✓ = Complete

Budget Notes:

1. None. No budget concerns.

Outstanding Issues

1. None.

Remarks

1. None.

Status Report for Effluent Filtration Improvements Project

Activities This Period

- Attended monthly construction progress meeting for July.
- Closed Clean Water Fund Loan and Issued Pay Application 13.
- Reviewed Contractor submittals and answered Contractor questions.
- RFP 008 – Thickener and Filter Room Floor, Walls and Ceiling Coating work has started.
- RFP 009 – Movement of W3 hydrant in Disk Filter area work is almost complete.
- RFP 010 for the removal and replacement of the Ceiling Tile in Rooms 101, 103, 104 and 106 of Structure 60, has been accepted, work has started.
- RFP 012 for the addition of staff parking south of the new Filter Splitter Box was completed, reviewed and accepted, work will commence after bypass work has been completed. Anticipated to occur October/November.
- Design Engineers working on new option for the Hauled-in-Waste/Septage Receiving station, based on recommendations and selection by the Commission.
- Provided on-site construction observation services.

Near-Term Activities

- Review contractor submittals and answer contractor questions.
- Prepare work change directives and responses to contractor claims.
- Review monthly Pay Application 14.
- Prepare CWF loan disbursement 14 request to WDNR.
- Continue on-site construction observation services.

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- Complete RFP 011 for the selected revised hauled-in-waste tank option.

Outstanding Issues

- Work Change Directive 08 for the Contaminated Soils completed.

Construction Remarks

Site

- Concrete demo for the placement of gates in the Chlorine Contact Tank/Effluent Discharge piping has been completed.
- Donohue structural engineer and architect were onsite to inspect the interior of the hauled in waste tank. This was completed after HOV staff cleaned out the tank and prepared for the inspection.
- Hardrock Concrete Cutters were onsite to core the two bypass lines into the east wall of the Biostr Building to enable the tie in of the new 42-in. secondary effluent lines from the new splitter structure and CCT structure.
- HOV sludge hauling operations have started with Badger State Waste completing the emptying of one sludge tank. Sludge hauling will continue after the completion of the Bypass work, in late September.

Structure 60 (Solids Handling and Filtration Building)

- Cabinets for the Women's Lockerroom arrived onsite. Waiting for installation.
- Omni has started the painting of the Women's Lockerroom, Lactation Room, future Lockerroom, lobby and hallway. Omni has also been completing the final painting of the Disc Filter and Thickener areas.
- Sargent Electric has continued with the conduit runs in the Disc Filter area as well as the Chemical Feed and Pipe Gallery areas.
- Insulators have completed insulating the roof drain piping over the DAF thickeners.
- The new Chemical Skids for the Disc Filters have arrived onsite. Waiting on installation, and completion of the new epoxy flooring in the Disc Filter area.
- CD Smith completed the concrete infill floor of the new CCT structure. Additional concrete work by CD Smith included the completion of the containment walls in the Chemical Feed Room. The disc filter chemical skid equipment pad were also completed.
- Sargent had CD Smith complete the grouting of the mixer control and disc filter control bases.
- All gates in the chlorine contact chamber have been installed, August Winters is waiting for the new actuator shaft for MH 10. Gates and actuators installed include the following; Disc Filter Effluent Gate, Contact Bypass Gate and Structure 80 Partial Feed Gate.
- CD Smith has completed the grouting of all gates.
- August Winters has installed the 42-in. stainless piping for the Disc Filter influent piping in the Pipe Gallery. They are currently working on preparation for the installation of the Disc Filter back wash piping.
- The Disc Filters effluent piping has also arrived onsite and is waiting on installation.
- Sargent has started on the installation of the new lighting in the Disc Filter area.
- August Winters had all gate installations checked out and operated by the supplier for proper alignment, operation and function.
- CD Smith demo'd the ceiling tile in the vestibule, hallway, lobby and lunchroom. Waiting on Ceiling Grid and Tile installer to complete installation.
- August Winters completed the natural gas piping tie-in in the lower level boiler room.
- August Winters working on setting the header pipe for the Disc Filter effluent piping in the chlorine contact chamber.
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- The polymer feed system, aging tank, effluent sampler, polymer feed and mixing skids have been set on the pads in the Chemical Feed Room.
- Sargent Electric running conduit for Rapid Mix/Coagulation & Flocculation mixer motor control panels and setting of control panels on stands in Disc Filter area.
- Roof metal cap and parapet work to be started in September.
- Sargent Electric continuing conduit runs in the disc filter area.
- Scaffolding set over the two flotation thickeners has been removed.
- The installation of the Disc Filter 42-inch influent piping and valves has been completed in the pipe gallery. Welding of the spool piece joints for the influent piping has also been completed. Final pipe stands at the north end of the 42-inch piping are in fabrication.

Structure 60, Room 122 (Filter Chemical Storage)

- CD Smith completed the containment wall concrete for the Chemical Storage tanks in the room. They also completed the polymer tote equipment pad.
- Roofing metal cap and parapet work to be completed in September.
- Sargent Electric continuing on conduit work on interior. Placement of interior lights has been completed.
- August Winters working on piping connections to the new PRC Storage Tanks.
- Chemical storage tanks placed on pads in containment area and piping to and vent piping out of tanks have been started.
- Exterior caulking complete.

Structure 60, Room 123 (Filter Splitter Box)

- August Winters completed the installation of all five gates in structure. These gates and actuators are for the following; Filter Bypass Gate, Filter Splitter Box Isolation Gate, Chemical Conditioning Gate, Sedimentation Gate and Filtration Gate.
- CD Smith cleaned out the basins of the splitter box and began to prepare for the installation of the tank decking and handrail.
- CD Smith has completed the grouting of all gates.

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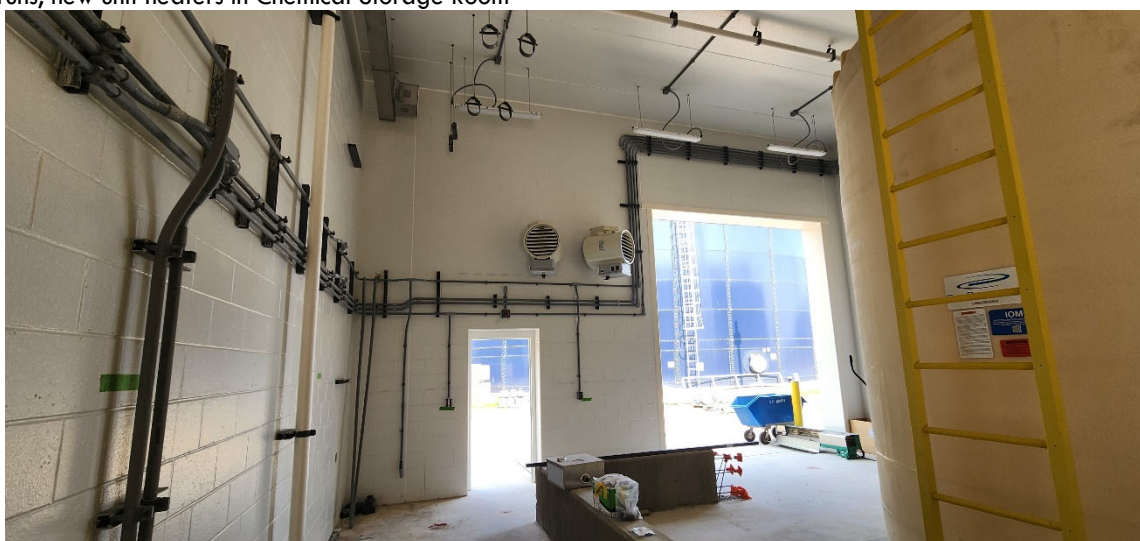
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Site Photos

August Winters installing 20" bypass drops in disc filter area



Conduit runs, new unit heaters in Chemical Storage Room



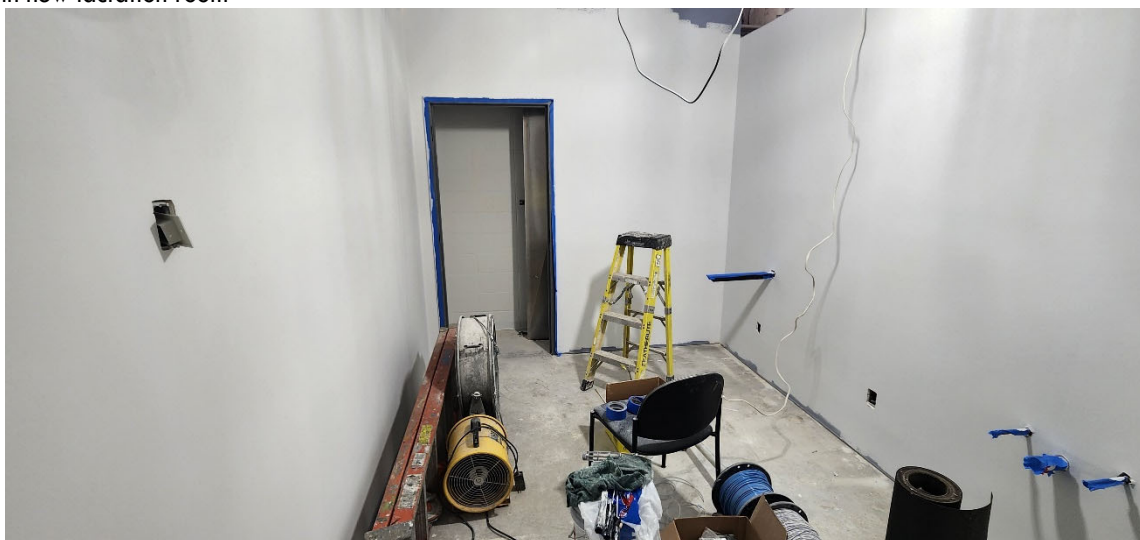
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Painting in new lactation room



Installation of the new 42-in. Disc Filter Influent header pipe 15 ft. up in the lower pipe gallery



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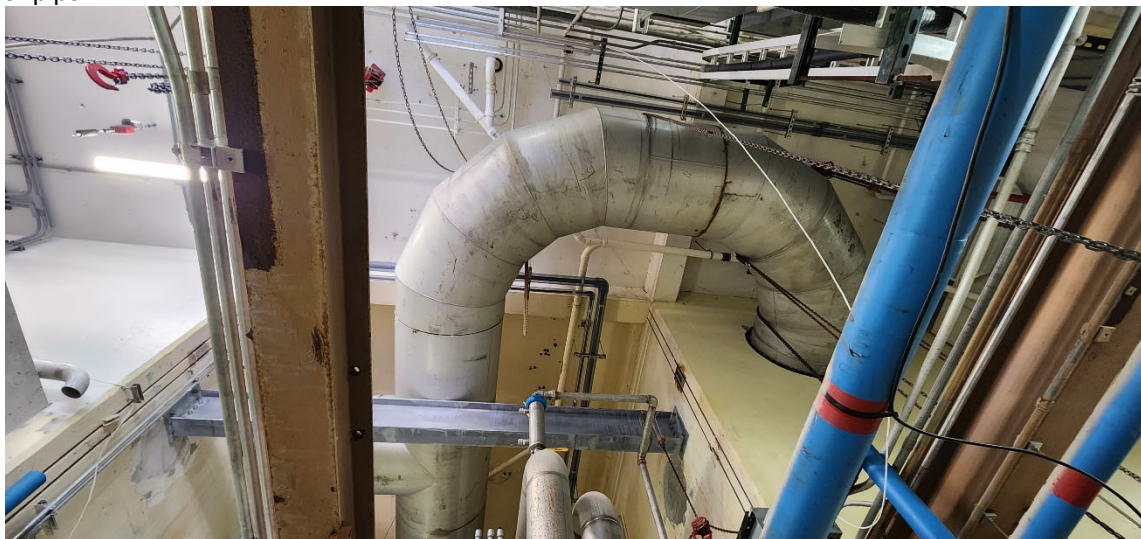
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View from below in the pipe gallery of the 42-in. Disc Filter influent pipe bend out of the flocculation tank, tied into the header pipe



August Winters installing new exhaust louvres to HVAC duct work in Disc Filter area



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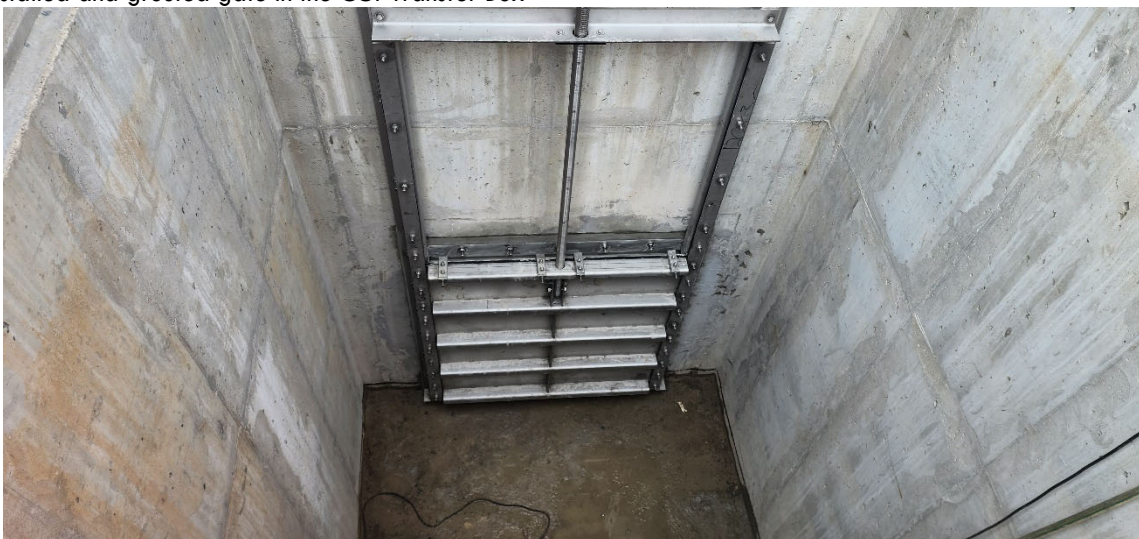
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New white paint in hallway and lobby area of Str 60



Newly installed and grouted gate in the CCT Transfer Box



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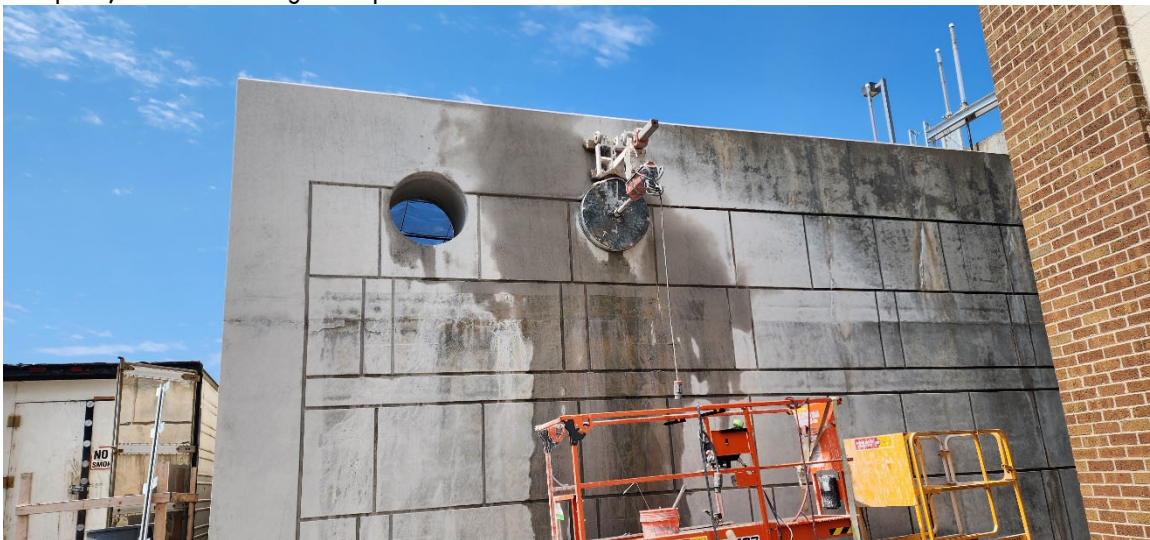
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Hardrock coring the 28-in. holes for the Effluent Bypass in the east BioStr wall



One core complete, the other waiting to be pulled



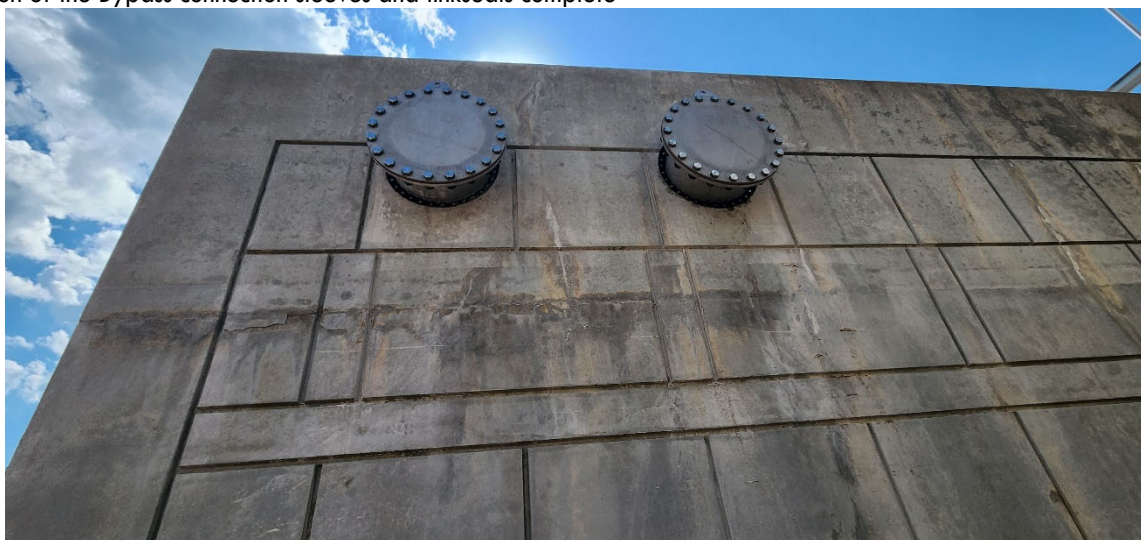
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Installation of the Bypass connection sleeves and linkseals complete



SHC Dosing Pumps and Transfer Pump in the Sodium Hypochlorite Room



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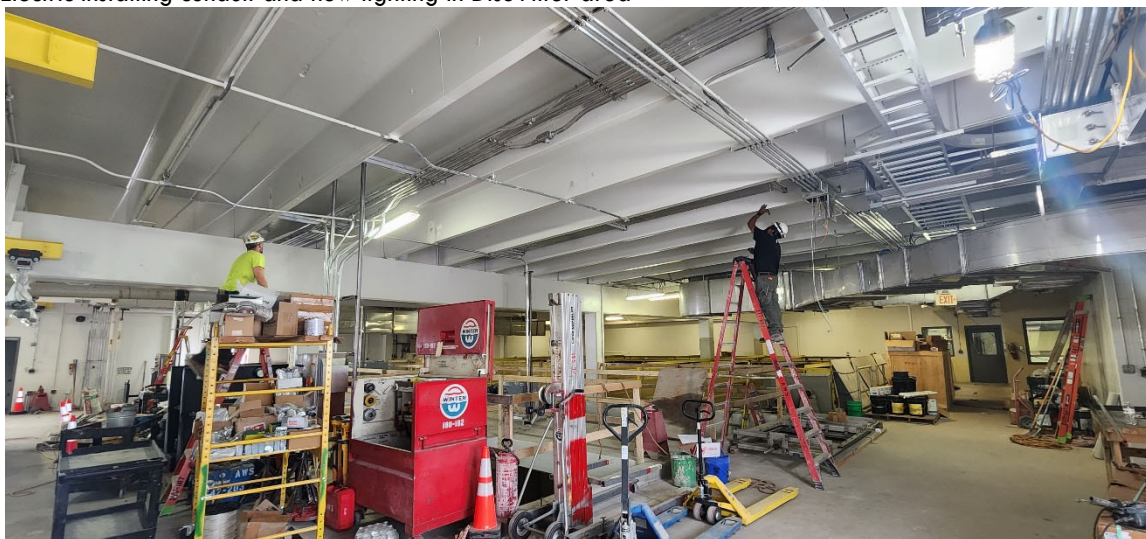
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Scaffolding over the DAF Thickeners remove, ceiling painted, roof storm drain pipe newly insulated and jacketed



Sargent Electric installing conduit and new lighting in Disc Filter area



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Sludge waste haulers commencing to unloading the sludge tanks



Four gates installed on the Filter Splitter Box, working on the fifth



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Disc Filter control panels getting installed



Future Muriatic and SHC Disc Filter chemical equipment pads being formed up



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Remaining section of chemical containment wall complete along with polymer tote equipment pad in Chemical Storage Room



Grouting of the flocculation effluent gate just down stream of the flocculation weir



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Starting the installation of the deck supports for the Filter Splitter Box



Filter Splitter Box decking complete, waiting on handrail, can also see all the actuators for the 5 gates



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Disk filter effluent 42-in header piping getting ready for install in the Chlorine Contact Chamber



more of the DF effluent piping



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Parting shots, has been a busy month for these... even Kevin sent the first one to me

Site babies finding a nice resting spot



Peregrine Falcon keeping a watchful eye on things around the site



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Facility deer hanging out at the lock overflow east of the site



Site babies caught again with the mom...



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Ah the creatures you find in the strangest of spots, down in the chlorine contact chamber near the new sump well

