



Eric J. Holcomb
Governor

Lindsay M. Weaver, MD, FACEP
State Health Commissioner

April 3, 2024

Sheryl D. Ervin, P.G.
Senior Regulatory Specialist
Delta Treatment Systems, LLC, an Infiltrator Water Technologies, LLC Subsidiary
9125 Comar Drive
Walker, Louisiana 70785

Dear Ms. Ervin,

Re: Approval of Delta Treatment Systems, LLC-ECOPOD-N Models E50-N, E60-N, E75-N, and E100-N NSF/ANSI Standard 40, Class 1 certified Wastewater Treatment Systems for use in residential and commercial onsite sewage systems.

The Delta Treatment Systems, LLC-ECOPOD-N Models E50-N, E60-N, E75-N, and E100-N residential wastewater treatment systems (hereafter referred to as ECOPOD-N) are hereby approved by the Indiana Department of Health (department), for use in Indiana as an advanced treatment product in an onsite sewage system under the provisions of *410 IAC 6-8.3-52(h)*, *410 IAC 6-10.1-49(h)*, and the *Indiana Standards for Aerobic Treatment Units* published by the department on October 27, 2023. This approval is for the use in commercial onsite sewage systems and individual residential onsite sewage systems. The conditions included in this letter are requirements for the use of the product. The approval is effective this 3rd day of April 2024. The Delta Treatment Systems, LLC Approved Models are limited to:

ATU Series	Model	Flow Rating (GPD)	Min. Flow (GPD)	BOD Rating (lbs/day)	BOD (mg/L)		TSS (mg/L)	
					Min.	Max.	Min.	Max.
ECOPOD-N	E50-N	500	100	0.86	100	300	100	350
ECOPOD-N	E60-N	600	150	1.03	100	300	100	350
ECOPOD-N	E75-N	750	200	1.29	100	300	100	350
ECOPOD-N	E100-N	1000	250	1.72	100	300	100	350

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Each Model is approved for the 5 onsite sewage system design options outlined in the *Indiana Standards for Aerobic Treatment Units*, published by the department on October 23, 2023. Flow equalization prior to the ECOPOD-N Models E50-N, E60-N, E75-N, and E100-N wastewater treatment system shall include plan review consult with IDOH to ensure proper design elements are included with the proposed system design.

Any inconsistencies between:

- Delta Treatment Systems, LLC or Infiltrator Water Technology, LLC printed, verbally conveyed, training, or posted for ECOPOD-N product materials,**
- the IDOH posted Indiana Delta Treatment Systems' July 2023 manuals (*Delta Treatment Systems ECOPOD Series Fixed Film Wastewater Treatment System, Installation, Operation and Maintenance Manual July 2023*), and**
- this April 3, 2024 Indiana Department of Health posted approval letter will default to this April 3, 2024 approval letter for design, installation, operation, and maintenance of the ECOPOD-N product use in Indiana.**

- I. The Delta Treatment Systems, LLC is required to:
 - a) Submit to the department a list of tank manufacturers which manufacture host tanks to house the ECOPOD-N Models E50-N, E60-N, E75-N, and E100-N wastewater treatment systems. A listing of IDOH approved host tanks is included on the IDOH TNI listing for the product;
 - b) Confirm tank connectors are provided by the manufacturer to ensure watertight pipe connections at the inlet and outlet of the treatment unit and comply with Rule 410 IAC 6-8.3 and Rule 410 IAC 6-10.1;
 - c) Certify distributors, designers, installers, service providers and those involved in the permitting of this technology;
 - d) Submit to the department a list of all certified designers, installers, distributors, and service providers for the State of Indiana on a quarterly basis the first year and annually after that; and notify the department immediately of the removal of any certified designer, installer, distributor, or service providers;
 - e) Submit for review and approval of the department any proposed changes to any system component or the Indiana (July 2023) Product Manuals prior to implementation of the changes;
 - f) Notify the department in writing of any scheduled training event at least 10 working days prior to the event;
 - g) Provide on-going consultation to health department staffs, designers, installers, and service providers;
 - h) Include a 2-year initial service policy to the owner by the manufacturer or the authorized representative; the cost of the initial service policy is included in the original purchase price. The initial policy will contain provisions for 4



- inspection/service visits (scheduled once every 6 months over the 2-year period) during which electrical, mechanical, and other applicable components are inspected, adjusted, serviced and documented;
- i) Report to the department within 30 days the failure of any owner to renew a service contract for the operation and maintenance of any onsite sewage system that includes an ECOPOD N Models E50-N, E60-N, E75-N, and E100-N wastewater treatment system.
- II. The ECOPOD-N Models E50-N, E60-N, E75-N, and E100-N wastewater treatment systems are subject to:
- a) The review by the department of each individual project when the units are subject to intermittent flows. Further, all start-up and shut down procedures must be carried out by a certified service provider after local health department notification and consultation.
 - b) The review by the department for each individual residential project where:
 - 1. A trash tank (working capacity of 750-gallons or one Design Daily Flow, whichever is greater) is proposed in lieu of a full-sized septic tank in accordance with Section V., *Indiana Standards for Aerobic Treatment Units* published by the department on October 27, 2023, or
 - 2. A soil absorption field of reduced size is proposed in accordance with Section VIII. F., *Indiana Standards for Aerobic Treatment Units* published by the department on October 27, 2023.
- Unless plan review and permit issuance has been delegated to the local health department in accordance with Section VI. C., *Indiana Standards for Aerobic Treatment Units* published by the department on October 27, 2023.
- c) The applicable provisions of IDOH Rule 410 IAC 6-8.3, and IDOH Rule 410 IAC 6-10.1, including the discharge to a soil absorption field which meets all the provisions of the applicable rule, except for system sizing as allowed in Section VIII. F., *Indiana Standards for Aerobic Treatment Units* published by the department on October 27, 2023;
 - d) Treating only domestic and/or residential strength wastewater;
 - e) The applicable provisions of *Indiana Standards for Aerobic Treatment Units* published by the department on October 27, 2023;
 - f) The Delta Treatment Systems, LLC-ECOPOD-N Models E50-N, E60-N, E75-N, and E100-N wastewater treatment system Indiana (July 2023) ECOPOD-N Design, Installation, Operation and Maintenance, and Owner's Manuals, and;
 - g) The provisions and criteria identified in this approval letter.
- III. The ECOPOD-N Models E50-N, E60-N, E75-N, and E100-N wastewater treatment system distributor, designer, installer, service provider, and those involved in permitting are subject to:
- a) Delta Treatment Systems, LLC ECOPOD Certification; and



b) Maintaining a status of good standing with Delta Treatment Systems, LLC.

IV. a) The IDOH approved Delta Treatment Systems, LLC-ECOPOD-N Models E50-N, E60-N, E75-N, and E100-N wastewater treatment system will include the following components. The reactor tank must be assembled by the Indiana supplier at their facility prior to delivery of the unit to the construction site.

Components list:

Trash tank (with inlet and outlet baffles) w/ riser(s), safety plug, and lid
Treatment/Reactor tank w/ EZ Snap risers to grade, Safety Star plug and lid (IWT, LLC tanks with vertical internal vertical supports) (Model drawings attached.)
Air compressor/blower w/ an enclosure, and air delivery line
Air pressure switch tubing and monitoring system
Control panel w/ visible and audible alarm. Low pressure and high water alarm. (CP2210R2)
Appropriate pipe to properly plumb the wastewater treatment system
ECOPOD reactor with attached growth media component, piping, and air diffusers
"sled" base for proper positioning of the ECOPOD reactor within the IWT, LLC poly tanks
Outlet filter and housing at the distal end of the reactor tank
Effluent sampling port
High water float switch
Outlet vent with 3" minimum diameter. Option 1: through outlet riser with elbow with watertight grommet connection, or Option 2: A watertight tee connection off the reactor tank outlet pipe with the vent to grade. Drawings provided by Delta Treatment Systems

b) The ECOPOD-N Models E50-N, E60-N, E75-N, and E100-N wastewater treatment system component specifications are listed below.

Model	Trash tank cap. (min)	Treatment/ host tank Make, model, cap. (min)	ECOPOD-N reactor box dimensions (W x D x H in ft.) Ext. Int.		Dist. off bottom of ECO box (in) (IWT,LLC)	Air compressor Make/Model and number of compressors req. (#)	Air Comp. Req. (CFM)
E50-N	750 gal	IWT, LLC CM-1060 IWT, LLC IM-1060	4.5 x 2.5 x 3.75	4 x 2 x 2	18.75	Republic HRCO25-1 (1) FujiMac MAC250R11 (1) Thomas LW-250 (1) Airtech 3BA12007AS05 (1) FPZ SCL 06 (1)	12
E60-N	750 gal	IWT, LLC CM-1060 IWT, LLC IM-1060	6.67 x 2.5 x 3.75	6 x 2 x 2	18.75	Republic HRCO25-1 (1) FujiMac MAC300R11 (1) Thomas LW-250 (1) Airtech 3BA12007AS05 (1) FPZ SCL 06 (1)	14.4
E75-N	750 gal	IWT, LLC CM-1060 IWT, LLC IM-1060	6.67 x 2.5 x 3.75	6 x 2 x 2	18.75	Republic HRCO25-1 (1) Thomas LW-250 (2) Airtech 3BA12007AS05 (1) FPZ SCL 06 (1)	18
E100-N	1000 gal	IWT, LLC IM 1530	9 x 2.5 x 2	8 x 2 x 2	18.75	FPZ SCL K03 (1) Thomas LW-250 (2) Airtech 3BA13307AS15 (1)	24



This approval may be revoked or modified by the department for non-compliance, or if it is documented that it would not be in the best interests of public health for approvals to continue.

If you wish to request administrative review of this *Approval* pursuant to Indiana Code 4-21.5-3-5, you must file a petition for review within fifteen (15) days after this *Approval* is received.

The petition for review must be in writing and must include facts demonstrating that:

- The petitioner is a person to whom the *Approval* is specifically directed;
- The petitioner is aggrieved or adversely effected by the *Approval*; or
- The petitioner is entitled to review under any law.

Any petition for review should be submitted in writing to the State of Indiana Office of Administrative Law Proceedings in one of the following ways:

1. Go online to www.in.gov/oalp and complete a Petition for Review (State Form 56961 (5-20));
2. Mail your petition for review to the Office of Administrative Law Proceedings at 100 N. Senate Avenue, Suite N-802, Indianapolis, Indiana 46204; or
3. Appear in person at the Office of Administrative Law Proceedings at 100 N. Senate Avenue Suite N-802, Indianapolis, Indiana 46204 and file your petition for review. You will need this document to complete your petition.

If you do not object to this product submittal approval, you do not need to take any further action.

Sincerely,

Michael Mettler, REHS
Director
Environmental Public Health Division
317/233-7183
mmettler@health.in.gov