

**ENVIRONMENTAL HEALTH**  
Onsite Water Protection Notices of Violation  
June 2024

NOV DATE	SUBJECT PROPERTY ADDRESS	TYPE OF VIOLATION	NOV EXPIRATION DATE	FORWARDED TO CO. ATTY?	COMPLIANCE STATUS (YES/NO)	COMPLIANCE DATE
9/25/2020	3419 S Alston	Straight Pipe discharge to stream and discharge to ground surface.	10/25/2020	Y	N	

12/29/2021	5370 Red Mill Rd	Expired Operation Permit	1/31/2022	Y	N	
3/10/2022	921 Colonial Heights Dr	Straight Pipe	4/11/2022	Y	N	
4/20/2022	2607 E Geer ST	Illicit Discharge Straight Pipe	5/20/2022	N	N	
8/30/2022	5702 Paragon	Straight Pipe	10/3/2022	N	N	
10/13/2022	3913 Cheek Rd	Surfacing Effluent	11/13/2022	N	N	

12/30/2022	5904 Wilma St	Surfacing Effluent	1/30/2023	N	N	
<del>2/23/2023</del> 5/23/2024	5003 Leesville Rd	Surfacing Effluent- Unpermitted System	<del>3/27/2023</del> 6/23/2024	N	N	
3/14/2023	7309 Farrington Rd	Damaged Tank	4/14/2023	N	N	
7/18/2023	114 Chateau Dr	Surfacing Effluent	8/21/2023	N	N	
9/14/2023	3712 Sandy Ridge Rd	Surfacing Effluent	10/14/2023	N	N	
11/13/2023	3855 Angier Ave	Back up of effluent	12/13/2023	N	N	
1/10/2024	5215 Autumn Dr	Back up of effluent/surface discharge	2/10/2024	N	N	

2/16/2024	5326 Ventoria Dr	Surfacing Effluent	3/16/2024	N	N	
2/20/2024	227 Barclay Rd	Surfacing Effluent	3/21/2024	N	N	
2/20/2024	135 Jefferson Dr	Surfacing Effluent	3/21/2024	N	N	
2/26/2024	1206 N Mineral Springs	Unpermitted repair	2/23/2024	N	N	
4/2/2024	808 Stallings Rd	Surfacing Effluent	5/2/2024	N	N	
4/15/2024	2110 Bundy Ave	Surfacing Effluent	5/15/2024	N	N	
5/28/2024	720 Daffodil Ln	Straight Pipe	6/28/2024	N	N	
5/28/2024	108 Stedwick Pl	Surfacing Effluent	6/29/2024	N	N	
5/12/2024	108 Mickey Circle	Surfacing Effluent	6/12/2024	N	N	

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**Onsite Water Protection - Compliant NOVs**

July 2023 - June 2024

NOV DATE	SUBJECT PROPERTY ADDRESS	TYPE OF VIOLATION	NOV EXPIRATION DATE	FORWARDED TO CO. ATTY?	COMPLIANCE STATUS (YES/NO)	Compliance Date
2/8/2024	2308 Snow Hill Rd	Surfacing Effluent	3/8/2024	N	Y	6/10/2024
3/26/2024	5608 Ventura Dr	Surfacing Effluent	4/25/2025	N	Y	6/10/2024
2/19/2024	1825 Catalina St	Back up of Effluent	3/20/2024	N	Y	6/5/2024
4/30/2024	3513 Eastis Dr	Surfacing Effluent	5/30/2024	N	Y	5/15/2024
2/12/2024	2112 Ferrell Rd	Surfacing Effluent	3/13/2024	N	Y	4/15/2024

2/13/2024	3805 W Cornwallis Rd	Surfacing Effluent	2/13/2024	N	Y	3/11/2024
7/19/2023	2512 Ardsley	Surfacing Effluent	8/21/2023	N	Y	2/28/2024
1/30/2024	3920 Holder Rd	Straight Pipe	3/1/2024	N	Y	2/28/2024
11/29/2023	208 Red Mountain Rd	Surfacing Effluent	12/29/2023	N	Y	1/29/2024
11/2/2023	1418 Mockingbird Ln	Damaged Tank	12/2/2023	N	Y	12/13/2023
7/19/2023	1511 Milan St	Surfacing Effluent	8/21/2023	N	Y	11/22/2023
8/29/2023	2330 Thunder Rd	Back-up into Septic Tank	9/29/2023	N	Y	10/30/2023
5/2/2023	603 Cook Rd	Surfacing Effluent	6/6/2023	N	Y	10/26/2023

7/22/2021	6032 Burgundy Rd	Pump malfunction	8/23/2021	Y	Y	10/26/2023
1/7/2020	8 Steepleton	Surface Discharge	2/7/2020	Y	Y	9/6/2023
7/25/2023	3 Meadowbrook Dr	Surfacing Effluent	8/28/2023	N	Y	9/5/2023
6/26/2023	3521 Rose of Sharon Rd	Back-up of Effluent	7/26/2023	N	Y	8/21/2023

1/10/2022	2610 E Geer St	Surfacing Effluent	2/11/2022	N	Y	8/1/2023
2/10/2023	2509 Joe Ellis Rd	Straight Pipe	3/10/2023	N	Y	7/25/2023
4/18/2023	1916 Snow Hill Rd	Surfacing Effluent	5/18/2023	N	Y	7/14/2023















**LEGEND**

**RED - Indicates updates since last report**

**PURPLE - Indicates County Attorney Action Requested/Legal Remedy**

**NOTES**

Complaint received from City of Durham Stormwater Services of a straight pipe discharging into a stream and surface discharge of effluent above septic tank. EHS visited site and confirmed. City officials have indicated they will also issue a NOV for the straight pipe discharge into the stream.

5-year operation permit for Type V system has expired. Owner directed to submit an application and fee for renewal.

Complaint investigation confirmed discharge of effluent via straight pipe. NOV directs owner to apply for repair permit and to temporarily pump and haul until system is repaired.

Complaint investigation revealed straight pipe discharge. NOV directs owner to apply for repair permit and temporarily pump and haul.

Straight pipe discovered during complaint investigation.

Complaint investigation confirmed surfacing effluent over septic tank. Public sewer is available.



Complaint investigation confirmed surfacing effluent. Above ground swimming pool has been constructed over drainfield without building permit or EH approval.

Unpermitted septic tank and drainfield discovered during repair evaluation. System is discharging effluent to the ground surface. Site has been classified as unsuitable for repair. Owner directed to contact NCDEQ for a discharge permit or to apply for permanent pump and haul permit from Environmental Health.

Damaged tank discovered during site visit. House is unoccupied. Public sewer is available.

Effluent is surfacing over the drainfield. Public sewer is available.

Effluent is surfacing over the drainfield. Public sewer is available.

Existing drainfield is infilled with soil and sludge. Public sewer is available.

Existing system is discharging over septic tank lids. Public sewer is available.

Existing system is discharging effluent. Owner has applied for a repair permit, evaluation is pending.

System is hydraulically overloaded and discharging at the septic tank. Owner states leaking plumbing fixtures have been discovered in the home and will be repaired. Permit issued for new drainfield installation if existing system does not recover.

Existing system is discharging effluent and is non-repairable. Public sewer is available.

Existing system malfunction and owner installed an unpermitted drain line. Site has been classified as unsuitable for repair. Public sewer is available.

Existing system is backing up into the septic tank due to exhaustion of hydraulic conductivity in the drainfield. Public sewer is available. Owner directed to temporarily pump and haul until sewer connection is completed.

Complaint investigation confirmed discharge of effluent. NOV directs owner to temporarily pump and haul and to submit an application for repair permit.

Owner hired plumber to repair blockage, plumber installed a straight pipe. Repair permit has been issued.

Effluent is backing up a surfacing over the septic tank. Permit issued for repair same day as NOV.

Complaint investigation confirmed discharge of effluent. Appears to be a straight pipe installed near the vicinity of the pump vault. NOV directs owner to temporarily pump and haul and to apply for a repair permit.



NOTES
Complaint investigation confirmed malfunctioning system. Owner directed to temporarily pump and haul and to apply for a repair permit. <b>**Discharge of effluent has been abated 6/11/2024**</b>
PVC supply line from tank to drainfield is damaged resulting in discharge of effluent. Owner directed to repair supply line. <b>**Supply line repaired, discharge abated 6/10/2024**</b>
Existing system is backing up into the septic tank due to exhaustion of hydraulic conductivity in the drainfield. Site has been classified as unsuitable for repair. Public sewer is available. <b>**Sewer connection is completed and septic tank has been properly abandoned 6/5/2024**</b>
Effluent discharging over drainfield, repair permit issued for exploratory dig 4/30/2024. <b>**Blockage in drainfield cleared and flow restored to system 5/15/2024**</b>
System malfunction reported by NC DEQ. EHS followed up and verified malfunction. Owner directed to temporarily pump and haul and to apply for a repair permit. <b>**Additional investigation revealed source of effluent is from adjacent property. There is no violation at this site.**</b>

System has been damaged by construction activities. Repair permit issued in conjunction with NOV. **\*\*Damaged system components have been repaired.\*\***

Effluent is backing up into the septic tank and discharging to the ground surface. Public sewer is available. **\*\*Sewer connection completed\*\***

Complaint investigation discovered straight pipe discharge from dwelling. Public sewer is available. **\*\*Straight pipe removed and washer line plumbed into septic tank. EHS ran plumbing in house and verified discharge has been abated.\*\***

Electrical service to pump control panel has been disconnected. Owner directed restore power to system. **\*\*Electrical service has been restored to pump.\*\***

Vacant parcel with existing septic system. Owner self-reported the damaged tank and provided a copy of an inspection report from a certified wastewater inspector detailing the structural deficiencies. Owner is pursuing connection to city sewer for new construction. **\*\*Septic tank properly abandoned\*\***

Effluent is surfacing over the drainfield. Public sewer is available. **\*\*Connected to sewer\*\***

Owner self-reported malfunction. Existing system is exhibiting signs of exhaustion of hydraulic conductivity and sewage is backing up into free board of septic tank. Owner directed to connect to public sewer. **\*\*House connected to public sewer\*\***

Complaint investigation confirmed discharge of effluent to the ground surface. Public sewer is available. **\*\*House connected to public sewer\*\***

Pump malfunction discovered during routing monitoring visit. Effluent is backing up into the pump tank freeboard and riser. Owner directed to contact a certified septic installer to repair the pump. **\*\*Effluent is being pumped to drainfield, no evidence of discharge over tank riser.\*\***

Surfacing effluent over pretreatment media and malfunctioning pump controls observed during regular monitoring inspection. System type is pretreated subsurface drip irrigation. **\*\*Pretreatment modules replaced.\*\***

Effluent is surfacing over the drainfield. Public sewer is available. **\*Connected to sewer, septic tank properly abandoned\***

Septic tank is not draining properly, effluent is backing up into freeboard of tank. Public sewer is available. **\*\*House connected to sewer. Septic tank properly abandoned and inspected.\*\***

Complaint investigation confirmed surface discharge of effluent over the septic tank. Public sewer is available. **\*\*Tenant stated plumbing repairs were performed and the discharge was abated. EHS did not observe any sign of malfunction during confirmation site visit.\*\***

Complaint investigation confirmed straight pipe. House has been disconnected from existing septic system. **\*\*Straight pipe has been removed and house is reconnected to septic system. Control panel has been replaced and building permit CO is contingent upon final pump inspection by EHS.\*\***

Existing system is surfacing over drainfield. Owner directed to hire an engineer to design a drip irrigation repair system. **\*\*Operation permit issued for repair system.\*\***















**MALFUNCTIONING SYSTEM**

**OTHER VIOLATION (NO DISCHARGE OF EFFLUENT)**

**COMPLIANT SYSTEM**

Property owner contacted EH and stated he will explore the possibility of connecting to public sewer. 9/29/2020 EHS observed and documented unpermitted repair work on system during a site visit. System continues to discharge effluent 12/11/2020. **File forwarded to County Attorney's Office with request for a 10-day demand letter. 12/17/2020 10-day demand letter issued 12/31/2020.** Site has been classified as unsuitable for repair. Owner is in contact with City Public Works to determine engineering requirements for sewer extension. EHS has directed owner to temporarily pump and haul to abate discharge of effluent while sewer extension is explored. 1/21/2021. Application for sewer extension agreement has been submitted to City Public Works and is pending review as of 3/31/2021. Owner has retained services of an engineer and is meeting with utility contractors to bid the project. Septic tank is being pumped as necessary to prevent discharge. 4/27/2021 Sewer connection extension agreement still under review by Public Works 9/30/2021. Extension agreement has been approved by City of Durham. Application for plumbing permit has not yet been submitted 10/29/2021. EH called owner for an update and left a message. No response as of 1/31/2022. City of Durham Public Works states the sewer main extension is pending NC DOT review and approval 2/15/2022. Owner has been approved for City of Durham "septic to sewer" cost-share funding. 3/25/2022 Per City of Durham staff, NCDOT has approved extension. Sewer design plans are now back under Public Works review. 10/19/2022. E-mailed Public Works for an update on the permit status 9/26/2023. Public Works replied there was no update but they will reach out to the owner regarding the delay. 10/4/2023. Permit application for construction of sewer extension within City Right of Way/Private Property Permit has been submitted to City/County Inspections and is pending review 4/25/2024. Right-of-way permit issued 5/15/2024 **Plumbing permit (#24301883) issued for sewer connection from house to new sewer tap 6/3/2024.**

**12/29/2022 - File forwarded to County Attorney's Office with request for demand letter. 10-day demand letter issued 1/9/2023.** Owner contacted EHS, renewal application e-mailed to owner 1/17/2023. EHS contacted owner again via phone and email requesting application for permit renewal. EHS confirmed existing contract with certified operator to maintain the system. EHS requested the operator send reports to DCoDPH. 3/28/2023 Application for operation permit renewal received and fee invoiced on 9/27/2023. Past-due notice issued for fee invoice, EHS also left voicemail with owner. 10/26/2023

**10-day demand letter requested 8/25/2022, issued 9/26/2022. Legal remedy requested 10/13/2022. Mediation settlement signed between DCoDPH and property owner,** repair permit application received from owner, site evaluation date TBD 3/24/2023. Site evaluation scheduled for 4/17/2023. Site classified as unsuitable for repair, permit denial letter issued to owner, County Attorney's Office notified 5/1/2023.

Repair application received 5/12/2022, site visit pending. Permit for exploratory dig issued 6/14/2022. Follow-up visit by EHS, effluent observed further downslope, dye testing will be required to determine source of discharge prior to any enforcement action. 10/31/2022 Dye testing scheduled for 3/8/2023. Straight pipe confirmed 3/8/2023.

10/12/22 - Received inquiry from complainant. **10-day demand letter requested 10/13/2022. 10-day demand letter issued 12/7/2022. Legal remedy requested 12/30/2022.** 1/24/2023 - Permit issued for exploratory dig to determine if system can be repaired or if a new system will be required. Owner notified to immediately cease illicit discharge and temporarily pump and haul to prevent discharge of effluent. EHS e-mailed owner requesting an update 2/28/2023. No response as of 3/31/2023 Septic contractor called EH to schedule an appointment, site visit schedule for June 13. 5/30/2023 Exploratory dig revealed that system is sludged and hydraulically exhausted. EHS is working on design for replacement drainfield. 6/26/2023 Permit for repair system issued 7/10/2023. Owner visited DCoDPH and inquired about potential financial assistance. EHS reiterated that no program exists and that septic maintenance and repair is the owner's responsibility 1/29/2024. EHS was contacted by the owner's septic installer, repair installation is projected for May 2024. 4/24/2024 **Repair system installed, pump start up inspection pending electrical installation 6/10/2024.**

**10-day demand letter requested 12/30/2022, issued 1/6/2023.**

Repair application received 1/10/2023, site visit pending drier soil conditions. Repair permit for drainfield replacement issued 3/31/2023. EHS has made multiple attempts to contact owner for an update with no reply. Will refer to County Attorney if no response by 10/6/2023.

Owner is in consultation with a wastewater engineer regarding options for discharge application with NCDEQ. Owner has provided pump and haul receipts to EHS. Note: site address updated from previous report which indicated mailing address. 3/29/2023 Owner continues to temporarily pump and haul and is pursuing a discharge permit through NC DEQ. 7/31/2023 Owner is continuing temporary pump and haul and is providing receipts to EHS 9/27/2023. Property has been sold, NOV reissued to new owner of record. House is currently unoccupied and there is no discharge of effluent. NOV directs new owner to apply for permanent pump and haul or to obtain a NPDES permit from NC DEQ. 5/23/2024 EHS notified by a consulting soil scientist that a special site evaluation will be performed to determine if site may be reclassified as suitable for a pre-treated subsurface drip irrigation system 6/11/2024.

Plumbing permit for sewer connection issued by City/County Inspections 12/13/2023. Sewer extension approved by City Manager 2/9/2024.

Plumbing permit application submitted to City by owner 7/6/2023. EHS called and left voicemail for owner inquiring about status of sewer connection, owner responded same day and stated the sewer connection has been installed for some time. 6/11/2024

Owner states sewer connection is not feasible due to cost. Permit for exploratory dig issued for septic system in attempt to restore flow throughout drainfield and to abate surface discharge 6/10/2024.

Application for sewer connection permit submitted to City/County Inspections 2/12/2024. Sewer extension agreement approved by City Manager 4/22/2024.

Plumbing permit for sewer connection issued by City/County Inspections 4/1/2024.

Owner contacted EHS and stated plumbing leaks were discovered in the home. EHS directed owner to repair leaks and to allow the system to rest for a 2 - 4 weeks to see if malfunction is abated. 2/19/2024 Follow-up visit scheduled for week of 3/25/2024. Reduction in the magnitude of discharging effluent observed during return visit. Portions of drainfield are still saturated. Repair permit to be issued for exploratory dig issued to determine if blockages may be preventing flow 4/30/2024.

Plumbing leak repair did not abate malfunction, permit for replacement drainfield issued by 3/22/2024.

Application for sewer connection permit submitted to Inspections Department 3/8/2024. Plumbing permit for sewer connection issued 4/1/2024.

Application for sewer connection permit submitted to City/County Inspections 2/2/2024.

Plumbing permit issued for sewer connection 5/10/2024. Extension agreement is pending approval 5/21/2024. **Extension agreement approved 6/28/2024**



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Application for repair permit received, site evaluation pending 2/28/2024. EHS suspects surface and subsurface water is the major contributor to malfunction and is working on design options for water diversion 3/15/2024. EHS has scheduled dye testing of system located on property upslope of this site to evaluate if water flow from neighboring property is contributing to the malfunction. 4/30/2024
Owners have been approved for participation in the City of Durham Septic to Sewer program for sites located in the Northeast Creek Watershed. Base cost share amount approval is \$6,000 and additional funds may be available after final eligibility determination 2/28/2024. Application for sewer connection plumbing permit submitted to City/County Inspections 5/9/2024

Owner contacted EHS and confirmed that contractor has been hired and repair is pending scheduling with the contractor 2/27/2024.

Plumbing permit for sewer connection issued by City/County Inspections prior to NOV, status is pending tap installation.

Plumbing permit for sewer connection issued by City/County Inspections prior to NOV, status is pending tap installation.

Plumbing permit for sewer connection issued by City/County Inspections prior to NOV, status is pending tap installation 9/6/2023.

Plumbing permit for sewer connection issued by City/County Inspections 5/17/2023.

**10/11/2021 - File forwarded to County Attorney's Office with request for demand letter. 10-day demand letter issued 10/22/2021.** Site visit scheduled for 10/3/2022 to determine status prior to referring for legal remedy. EHS in contact with owner, will revisit to troubleshoot the control panel 10/31/2022. Return site visit, EHS met with owner. Pump control floats are malfunctioning. Owner directed to replace floats. EHS provided local vendor information for floats, will revisit in 30-days to confirm repair. 3/8/2023 Monitoring inspection scheduled for 10/2/2023 to verify pump function.

2/27/2020 - EH contacted the system operator for an update. Operator stated owner has signed a work order to repair/replace the malfunctioning control panel and pretreatment media. Scheduling TBD. 5/4/2020 - Per the septic installer, the owner has postponed repair. **File forwarded to County Attorney's Office with request for a 10-day demand letter. 12/17/2020 10-day demand letter issued 12/31/2020.** Septic contractor notified EHS a price quote for repair will be sent to owner 1/28/2021. Owner is working with installer and has reached out to an engineer to determine potential options for pretreatment alternatives to existing peat modules. 2/23/2021 Contractor states they are still working on quote for pretreatment alternatives. 4/29/2021 EHS contacted septic installer regarding system progress. Contractor has yet to provide a bid. EHS encouraged the contractor to prioritize this project. 8/2/2021 Owner has submitted an application for repair permit. EHS will evaluate parcel to determine if an innovative system type may be utilized to repair/replace the existing failing drip irrigation system 9/29/2021 Owner contacted EHS, states they will be replacing the peat modules with synthetic media. Design proposal from PE forthcoming. 10/11/2021 Owner has made regular contact with EH, engineer, and installer. Product availability issues are delaying installation of new pretreatment modules. 2/28/2022 Pretreatment design has been submitted and is under review prior to permitting. 6/29/2022. Repair permit issued 7/7/2022. Owners notified EH by e-mail they have requested contractor to schedule installation 9/22/2022. EHS contacted installer for an update, per installer the pretreatment components are on order and installation is pending delivery 10/13/2022. Materials have been received by installer, install date TBD 12/5/2022 Installation scheduled for the week of April 24th 2023. 2/8/23. Installation postponed by installer until end of summer due to staffing and weather issues. 4/18/2023 Septic installer notified EHS on 8/29/23 that construction is scheduled to begin September 1, 2024.

Application for sewer connection permit submitted to City/County inspections 7/13/2023. Plumbing permit for sewer connection issued 9/1/2023.

Plumbing permit for sewer connection issued by City/County Inspections 7/7/2023.

Follow-up visit by EHS, could not access back yard due to dogs. 10/31/2022 Follow-up visit, EHS spoke with tenant and observed effluent still discharging to the ground surface. 12/30/2022 **10-day demand letter requested 12/30/2022** Advised by County Attorney's Office to try and contact agent of record. A second NOV may be required prior to initiating legal remedy. Messages left for agent of record, no response as of 1/31/2023.

Repair evaluation performed by EHS. Control panel is missing from LPP system, owner stated the house is unoccupied and that the pump controls were stolen. 3/1/2023. Repair permit issued to reconnect house to existing LPP and replace missing pump components. 3/10/2023

Repair permit for installation of drip system issued 5/3/2023. Repair system has been installed, final inspection pending 6/30/2023.













