



**Maryland Department of Environment**  
**Water and Science Administration**  
**Compliance Program**  
**1800 Washington Blvd, Baltimore, MD 21230**  
**410-537-3510**

---

**AI ID:** 20129 **Inspector:** Shailaja Polasi

**Site Name:** Shoppes At Apple Green WWTP  
**Facility Address:** 2880 Dunkirk Way, Dunkirk, MD 20754  
**County:** Calvert County

**Inspection Date:** February 26, 2020 **Start Date/Time:** February 26, 2020, 01:30 AM  
**End Date /Time:** February 26, 2020, 03:30 PM

**Media Type(s):** NPDES Municipal Ground Water

**Contact(s):** Chandra Singh, Owner, Singh Operational Services  
Bill Shreve, Operator, Singh Operational Services  
Lyla Walrath, Office Manager, Singh Operational Services  
Jessica Nelson, Property Manager, Echo Realty  
Brooke Hebb, Calvert County Department of Health  
Leonard Nale, VP DACCA

---

**NPDES Municipal Ground Water**

**Permit / Approval Numbers:** DP-3400

**PAF Number:** 20-2341

**Site Status:** Active

**Site Condition:** Noncompliance

**Recommended Action:** Continue Routine Inspection

**Inspection Reason:** PAF Follow-up

**Evidence Collected:**

Photos/Videos Taken, Visual Observation

**Inspection Findings:**

An announced follow up compliance evaluation inspection was scheduled on this date. I met on site with Leonard Nale, VP DACCA; Brooke Hebb, Calvert County Department of Health; Jessica Nelson, Property Manager, Echo Realty; Chandra Singh, Owner, Singh Operational Services; Bill Shreve, Operator, Singh Operational Services and Lyla Walrath, Office Manager, Singh Operational Services. After preliminary introductory meeting I began the inspection reviewing the plant operations followed by site walk of the wastewater treatment plant. The sky was cloudy with no rain at the time of the inspection. All the above personnel accompanied me during the inspection.

Inspection Date: February 26, 2020  
Site Name: Shoppes At Apple Green WWTP  
Facility Address: 2880 Dunkirk Way, Dunkirk, MD 20754

On this date Mr. Nale stated he has received complaints from home owners (community adjacent to the wastewater treatment plant) and employees of Harris teeter (across the street) about noise and odor from the treatment plant. On this date Mr. Nale stated aeration system in the holding pond/lagoon was not installed as proposed in 2010.

On this date Mr. Singh stated the blowers operate on timer and are inside sound insulation enclosure which helps to minimize the noise. Mr. Singh stated noise study was conducted on the blower system at the time of the installation and the sound level was found to be below the county ordinance limit. **Corrective Action:** Advised Ms. Nelson and Mr. Singh sound proof insulation or any other preventive measure should be added to the blower structures to minimize the noise from the blowers. On this date I advised the wastewater treatment plant shall be operated from becoming a public nuisance as required by NPDES permit.

On this date I observed the equalization tank, SBR, post eq tank, sludge holding tank were covered with tarp. Mr. Singh stated tarp is used to cover the metal crates over the treatment components to help control the odor near the equalization tank. On this date Ms. Nelson and Mr. Singh stated they plan to install insulation foam inserts to the metal crates to control the odor near the equalization tank. On this date I smelled slight odor near the equalization tank. On this date we walked around the holding pond on site and were able to smell odor from the equalization tank occasionally based on wind movement at different locations in the facility. **Corrective Action:** Advised Ms. Nelson to notify the Department when the foam insulation inserts will be added to the metal crates near the equalization tank. Pictures are taken.

On this date we walked around the holding pond/lagoon and no odor was noted from the holding pond onsite. On this date we observed the blower to the lagoon aerator was in "ON" position but no air bubbles or mixing was observed in the lagoon. On this date it was unclear if the air diffuser in the lagoon was in working condition. **Corrective Action:** Advised Ms. Nelson to Submit a letter to the Department explaining (1) what type of aerator/air diffuser is installed in the holding pond (2) manufacturer recommendations for operations and maintenance of the aerator/air diffuser (3) what aerator/air diffuser was approved as part of the initial design of the treatment plant and (4) inspect and confirm whether the aerator/air diffuser in the holding pond is in good working condition.

No dye testing was conducted on this date. On this date I advised Ms. Nelson the wastewater treatment plant will be in non-compliance until necessary steps are taken to address the odor and noise problems. **Recommendation:** On this date I recommended Ms. Nelson to add more trees around the perimeter of the treatment plant to limit the visibility of the treatment plant from the adjacent neighborhood.

**With respect to the above MDE NPDES Permit, violations of the Environmental Article, Title 9 were observed on this date:**

1. Failed to operate the treatment plant to minimize the odor from escaping the facility as required by NPDES permit General Condition-"Nuisance and Odor Restrictions".

**To bring this site into compliance with Environmental Article Title 9, the following corrective action should be made immediately upon receipt of this report.**

1. All the above mentioned corrective actions should be addressed immediately.
2. Submit a letter to the Department explaining the steps taken to address the odor and noise nuisance at the wastewater treatment plant. The letter should include timeline when the corrective actions will be completed. The letter should be submitted to the Department in 15 business day from the date of receipt of this report.
3. Submit the summary of the noise study conducted for blower structure to the Department.

Inspection Date: February 26, 2020  
 Site Name: Shoppes At Apple Green WWTP  
 Facility Address: 2880 Dunkirk Way, Dunkirk, MD 20754

**Note:** Sentences in the report are bold/highlighted to bring readers attention.

Follow-up inspections will be scheduled on later date.

**Contact this inspector upon implementation of the requested corrective actions, reasonably necessary to bring the site into compliance. If the corrective actions cannot be completed within the prescribed time frames above, you should continue to advise this inspector, at least every 30 days, of the status of the measures taken to complete the corrective actions.**

**If you have any questions, need assistance or to request a re-inspection, please contact this inspector at or in writing at [410-537-3521](tel:410-537-3521) or by e-mail at [shailaja.polasi@maryland.gov](mailto:shailaja.polasi@maryland.gov).**

### NPDES Municipal Ground Water- Inspection Checklist

<i>Inspection Item</i>	<i>Status</i>	<i>Comments</i>
1. Does the facility have a discharge permit? [Environment Article §9-323(a)(1-3)]	Yes	
2. Is the discharge permit current? [Environment Article §9-328(a)(1)]	Not Evaluated	
3. If the permit is not current, has facility applied for renewal? [Environment Article §9-328(a)(1)]	Not Applicable	
4. Does the facility operate as authorized by their current permit? [COMAR 26.08.04.01B(4)]	Out of Compliance	See FIR
5. Has the Permittee exceeded the permitted capacity of the WWTP? [40 CFR Part 122 Subpart C Section 122.42.(b)(1-3)]	Not Evaluated	
6. Is the number and location of discharge points as described in the discharge permit? [Environment Article §9-331]	Not Evaluated	
7. Has permittee submitted correct name and address of receiving waters? [40 CFR 122.21.j(3)]	Not Evaluated	
8. Is the permittee meeting the compliance schedule per permit requirements? [COMAR 26.08.04.02-1A(3)]	Not Evaluated	
9. Has the operator or superintendent been certified by the Board in the appropriate classification for the facility? [COMAR 26.06.01.05A(1)]	Not Evaluated	
10. Are adequate records being maintained for the sampling date, time, and exact location; analysis dates and times; individual performing analysis; and analytical results? [COMAR 26.08.04.03B(3)(a, b, c, e)]	Not Evaluated	
11. Are adequate records being maintained for the analytical methods/techniques used? [COMAR 26.08.04.03B(3)(d)]	Not Evaluated	

Inspection Date: February 26, 2020  
 Site Name: Shoppes At Apple Green WWTP  
 Facility Address: 2880 Dunkirk Way, Dunkirk, MD 20754

### NPDES Municipal Ground Water- Inspection Checklist

<i>Inspection Item</i>	<i>Status</i>	<i>Comments</i>
12. Does the permittee retained a minimum of 3 years worth of monitoring records including raw data and original strip chart recordings; calibration and maintenance records; and reports? [COMAR 26.08.04.03B(1)]	Not Evaluated	
13. Do lab records reflect that lab and monitoring equipment are being properly calibrated and maintained? [Environment Article §9-331]	Not Evaluated	
14. Does the permittee/laboratory use suitable QA/QC procedures and operate a formal quality assurance (QA) program using appropriate controls? [40 CFR Part 136.7]	Not Evaluated	
15. Has the permittee submitted the monitoring results on the proper Discharge Monitoring Report form? [COMAR 26.08.04.03C(1)]	Not Evaluated	
16. Do the Discharge Monitoring Reports reflect permit conditions? [COMAR 26.08.04.03C]	Not Evaluated	
17. Has the permittee submitted these results within the allotted time electronically? [COMAR 26.08.04.03C(2), 40 CFR Part 127.16]	Not Evaluated	
18. Is the facility being properly operated and maintained including:(a) stand-by power or equivalent provisions available, (b) adequate alarm system for power or equipment failure available, (c) all treatments units are in service, . [40 CFR Part 122 Subpart C Section 122.41.e]	Not Evaluated	
19. Is sewage sludge managed correctly per permit requirements? [COMAR 26.04.06.09]	Not Evaluated	
20. If a by-pass occurred since last inspection, has the permittee submitted notice of the by-pass within the allotted time? [40 CFR Part 122 Subpart C Section 122.41.m(4)(i)(C)]	Not Evaluated	
21. If a non-complying discharge occurred since the last inspection, was the regulatory agency notified within the allotted time? [40 CFR Part 122 Subpart C Section 122.41.l(6)]	Not Evaluated	
22. If applicable, has the permittee complied with all special conditions of their permit? [COMAR 26.08.03.07D]	Info	See FIR
23. Have overflows occurred since the last inspection? [COMAR 26.08.10.02A]	Not Evaluated	
24. Have records of overflows been maintained at the facility for at least five years? [COMAR 26.08.10.06A-B]	Not Evaluated	

Inspection Date: February 26, 2020  
 Site Name: Shoppes At Apple Green WWTP  
 Facility Address: 2880 Dunkirk Way, Dunkirk, MD 20754

**NPDES Municipal Ground Water- Inspection Checklist**

<i><b>Inspection Item</b></i>	<i><b>Status</b></i>	<i><b>Comments</b></i>
25. Are flow measuring devices properly installed and operated, calibration frequency of flow meter adequate, flow measurement equipment adequate to handle expected ranges of flow? [40 CFR Part 122 Subpart C Section 122.41.e]	Not Evaluated	
26. Are discharge monitoring points adequate for representative sampling? [Environment Article §9-331(4)]	Not Evaluated	
27. Do parameters and sampling frequency meet the minimum requirements? [Environment Article §9-331(4)]	Not Evaluated	
28. Does the permittee use the method of sample collection required by the permit? [Environment Article §9-331(4)]	Not Evaluated	
29. Are analytical testing procedures used approved by EPA? [COMAR 26.08.01.02B(1)]	Not Evaluated	
30. If alternate analytical procedures are being used, has proper approval been obtained? [COMAR 26.08.01.02B(1)]	Not Evaluated	
31. Has the permittee notified the Department of the name and address of the commercial laboratory? [COMAR 26.08.04.03A(3)]	Not Evaluated	
32. Were discharges observed at the authorized outfalls? [Environment Article §9-314(b)(1)]	Not Evaluated	
33. If discharges were observed, do the discharges or receiving waters have any visible pollutants observed? [Environment Article §9-314(b)(1)]	Not Evaluated	
34. Were discharge samples collected? [Environment Article §9-261(c)(1)]	No	
35. Does this facility have coverage under a NPDES stormwater discharge permit? [40 CFR Part 122 Subpart B Section 122.26.(c)(1)(I)(A-B)]	Not Applicable	
36. If the permittee has coverage under a NPDES storm water permit, has a storm water pollution prevention plan been developed and implemented as required? [40 CFR Part 122 Subpart B Section 122.26.(c)(1)(I)(A-B)]	Not Applicable	
37. Are the permit conditions being met? [Environment Article §9-326(a)(1)]	Out of Compliance	See FIR

Inspector: Shailaja Polasi  
 Shailaja Polasi/Date  
 shailaja.polasi@maryland.gov  
 410-537-3510

Received by: \_\_\_\_\_  
 Signature/Date  
 \_\_\_\_\_

Inspection Date: February 26, 2020  
Site Name: Shoppes At Apple Green WWTP  
Facility Address: 2880 Dunkirk Way, Dunkirk, MD 20754

Print Name

**Report Provided to:**

- Fax \_\_\_\_\_
- Email \_\_\_\_\_
- Regular Mail \_\_\_\_\_
- Certified Mail \_\_\_\_\_