Submissions to the State of North Carolina and Cape Fear River Watch

The following table identifies submissions made by Chemours pursuant to the Consent Order and Addendum (COA) for the period of July 1, 2022 through the end of the third quarter on September 30, 2022.1

<table>
<thead>
<tr>
<th>CO Section</th>
<th>Title</th>
<th>Submitted Date</th>
</tr>
</thead>
<tbody>
<tr>
<td>12 - COA 1b</td>
<td>2Q2022 Mass Load Assessment</td>
<td>09/30/2022</td>
</tr>
<tr>
<td>12 - COA2a</td>
<td>Interim Seep Remediation O&amp;M Report #9</td>
<td>07/29/2022</td>
</tr>
<tr>
<td>12 - COA2a</td>
<td>Interim Seep Remediation O&amp;M Report #10</td>
<td>09/30/2022</td>
</tr>
<tr>
<td>28</td>
<td>Quarterly Progress Report</td>
<td>07/28/2022</td>
</tr>
</tbody>
</table>

## 2022 Third Quarter Residential Summary

<table>
<thead>
<tr>
<th>Item</th>
<th>Cumberland County (East of River)</th>
<th>Cumberland County (West of River)</th>
<th>Bladen County (East of River)</th>
<th>Bladen County (West of River)</th>
<th>Robeson County</th>
<th>Sampson County</th>
<th>Total</th>
</tr>
</thead>
<tbody>
<tr>
<td>Total Number of Residences Sampled</td>
<td>384</td>
<td>240</td>
<td>2</td>
<td>6</td>
<td>20</td>
<td>332</td>
<td>984</td>
</tr>
<tr>
<td>Residences Exceeding GAC Criteria (GenX $\geq$ 10 ng/L)</td>
<td>13</td>
<td>10</td>
<td>0</td>
<td>1</td>
<td>1</td>
<td>0</td>
<td>25</td>
</tr>
<tr>
<td>Residences Exceeding RO Criteria ($\sum$ PFAS $\geq$ 70 ng/L)</td>
<td>16</td>
<td>7</td>
<td>0</td>
<td>0</td>
<td>0</td>
<td>6</td>
<td>29</td>
</tr>
<tr>
<td>Residences Exceeding RO Criteria (PFAS $\geq$ 10 ng/L)</td>
<td>165</td>
<td>58</td>
<td>0</td>
<td>1</td>
<td>8</td>
<td>96</td>
<td>329</td>
</tr>
<tr>
<td>Residences Drinking Water Well Detections (Results &lt; 10 ng/L)</td>
<td>111</td>
<td>92</td>
<td>0</td>
<td>1</td>
<td>6</td>
<td>108</td>
<td>319</td>
</tr>
<tr>
<td>Residences Drinking Water Well Non-Detections</td>
<td>79</td>
<td>72</td>
<td>2</td>
<td>3</td>
<td>5</td>
<td>123</td>
<td>284</td>
</tr>
</tbody>
</table>
**Fayetteville Counties Area**

<table>
<thead>
<tr>
<th>Summary</th>
<th>Number of Residences on Bottled Water</th>
<th>Homes Connected to Public Water by Chemours</th>
<th>Residences with GAC Systems Online</th>
<th>Residences with RO Installed</th>
<th>Outreach Letters Interactions</th>
<th>Outreach Call Team Interactions</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Total</strong></td>
<td>2,604</td>
<td>132</td>
<td>110</td>
<td>3,710</td>
<td>147,528</td>
<td>44,691</td>
</tr>
<tr>
<td><strong>Bottled Water</strong></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>3Q 2022</td>
<td>396</td>
<td>376</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td><strong>Total</strong></td>
<td>3,232</td>
<td>2,604</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td><strong>GAC</strong></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>3Q 2022</td>
<td>1,592</td>
<td>0</td>
<td>0</td>
<td>0</td>
<td></td>
<td></td>
</tr>
<tr>
<td><strong>Total</strong></td>
<td>1,999</td>
<td>7</td>
<td>110</td>
<td>8</td>
<td></td>
<td></td>
</tr>
<tr>
<td><strong>RO</strong></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>3Q 2022</td>
<td>501</td>
<td>2</td>
<td>200</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td><strong>Total</strong></td>
<td>5,265</td>
<td>132</td>
<td>3,710</td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

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2 The date the proposed Consent Order was lodged.
**Consent Order Progress Details**

This section summarizes the activities that have been undertaken by Chemours pursuant to the Consent Order Compliance Measures and Addendum for the period from July 1, 2022 through the end of the third quarter of 2022 (September 30, 2022). On August 13, 2020, Chemours signed the Addendum to Consent Order Paragraph 12, and the Addendum was entered by the Bladen County Superior Court on October 12, 2020.

**Section 7 Control Technology Improvements**

The thermal oxidizer (see photo at right) continues to control process emissions at an average PFAS destruction efficiency exceeding 99.99%.

**Section 10 No Discharge of Process Wastewater from Chemours’ Manufacturing Areas**

Chemours does not discharge its process wastewater and instead collects and ships its process wastewater offsite for disposal or recycles treated water internally within several manufacturing processes.

**Section 11 Characterization of PFAS in Process and Non-Process Wastewater and Stormwater at the Facility**

During the third quarter of 2022, two bimonthly sampling events were conducted. The first bimonthly sampling event was conducted on July 15 and 18, 2022 (the July 2022 event) and the second bimonthly sampling event was conducted on September 11 and 15, 2022 (the September 2022 event). Samples were collected from 27 locations during the July 2022 event and from 27 locations during the September 2022 event. In addition to the bimonthly events, two “mini” events were conducted to target locations that have less than 12 samples over the course of the Paragraph 11 sampling program. The first mini event was collected on August 12, 2022 (the August 2022 mini event) and five (5) locations were sampled. The second mini event was collected on September 30, 2022 (the September 2022 mini event) and six (6) locations were sampled.

Data collected from January – June 2022 will be reported by the end of October 2022. Data collected during the third quarter of 2022 will be reported by the end of the fourth quarter of 2022.

**Section 12 Accelerated Reduction of PFAS Contamination in the Cape Fear River and Downstream Water Intakes, and Addendum to Consent Order Paragraph 12**

Chemours continued operation of the treatment system for the Old Outfall (Outfall 003) pursuant to Consent Order Paragraph 12(e) and a NPDES permit issued by NCDEQ.
As noted above, the Addendum to Consent Order Paragraph 12 was signed in the third quarter of 2020 and entered by the Court during the fourth quarter of 2020. Chemours’s Addendum implementation activities during the third quarter of 2022 included:

**Consent Order Addendum Paragraph 1**
On September 30, 2022, Chemours submitted to NCDEQ and Cape Fear River Watch the Cape Fear River PFAS Mass Loading Assessment – Second Quarter 2022 Report pursuant to Consent Order Addendum Paragraph 1(b). The report describes sampling activities and mass loading results for the Cape Fear River and PFAS loading pathways from the second quarter of 2022. This submission was also pursuant to quarterly reporting of mass loading sampling outlined in the Corrective Action Plan (Paragraph 16). In July 2022, Chemours conducted quarterly mass loading sampling required by Consent Order Addendum Paragraph 1.

**Consent Order Addendum Paragraph 2**
During the third quarter of 2022, Chemours operated and maintained the four flow-through cells, i.e., the interim remediation systems, at Seeps A-D. On July 29 and September 30, 2022, Chemours submitted the Interim Seep Remediation Operation and Maintenance Reports #9 and #10, respectively. The Operation and Maintenance reports describe the operations and maintenance activities at the flow-through cells over the bimonthly reporting period of May/June and July/August 2022.

**Consent Order Addendum Paragraph 3**
The CO Addendum requires extraction of groundwater from seven existing Black Creek Aquifer monitoring wells (BCA-01, BCA-02, PW-11, PW-14, PW-15R, PIW-9D, and PIW-10DR) as an interim measure while the final remedy (barrier wall and groundwater extraction and treatment system) is being constructed. As part of the construction of the final remedy (outlined in more detail below), the abandonment of well PIW-9D was approved by NCDEQ on February 1, 2022; the pumping system in this well was subsequently taken off-line on May 13, 2022. The Black Creek Aquifer interim measure system continues to extract groundwater from the six remaining existing Black Creek Aquifer monitoring wells (BCA-01, BCA-02, PW-11, PW-14, PW-15R, and PIW-10DR). During the third quarter of 2022 through September 23, 2022 (the last reading taken during the reporting period), the system extracted 300,284 gallons of water for a total of 3,524,843 gallons since startup on November 30, 2020. Electrical and mechanical issues experienced during the second half of the quarter combined with delays in getting replacement parts resulted in downtimes during this period. Since resolving these issues, the wells have operated as designed with only minor, routine shutdowns for equipment issues, routine maintenance, or other issues.

With respect to the final remedy, on September 15, 2022, Chemours received the final NPDES permit from NCDEQ for the groundwater treatment system. After the third quarter, on October 14, 2022, Chemours appealed the permit by filing a petition for a contested case hearing before the NC Office of Administrative Hearings (OAH). As of the date of submission of this report, the appeal remains pending before OAH.

Also with respect to the final remedy, and as noted in prior quarterly reports, Chemours submitted the 90% Design Report for the barrier wall and groundwater extraction system to NCDEQ on March 25, 2022. On September 15, 2022, NCDEQ sent a letter and attachments “approving” the 90% Design Report “with specific conditions that shall be addressed by Chemours.” After the third quarter, on October 25, 2022, Chemours sent NCDEQ a letter supplementing the 90% Design Report and
addressing NCDEQ’s conditions for approval. On October 26, 2022, NCDEQ sent Chemours a letter approving the 90% Design Report as supplemented in Chemours’s October 25th letter.

Construction activity on the final remedy continues to proceed. Construction of the groundwater extraction conveyance system, the ex-situ conveyance system, and the groundwater treatment plant continue to progress.

Consent Order Addendum Paragraph 4
Consistent with the Stormwater Sampling Plan, Chemours conducted three sampling events in July 2022, four sampling events in August 2022, and two sampling events in September 2022 during the stormwater treatment system operation for removal of PFAS compounds. The monthly monitoring reports for July 2022 – September 2022 will be submitted in the fourth quarter of 2022. The treatment system also consistently captured stormwater runoff from precipitation events of up to the 1-inch, 24-hour design during the third quarter of 2022.

Chemours has prepared Stormwater Treatment System Monthly Monitoring Reports for the months of April 2022 through June 2022 and will be submitting these reports by the end of October 2022.

Section 14 Toxicity Studies
The acute and chronic daphnia study master protocols and the sediment study master protocol have been updated to address comments by NCDEQ and were resubmitted on July 13, 2022. NCDEQ provided additional comments on September 12, 2022. These comments are being addressed by the Eurofins laboratory. Initial method development supporting the aquatic toxicity studies has begun. The compound-specific protocols will be issued after the method development is completed, and these protocols will be submitted to NCDEQ.

NCDEQ provided comments on the mammalian protocols on May 20, 2022. These comments were submitted to Charles River Laboratories for consideration. The response from Charles River Laboratories is expected in the fourth quarter.

Section 16 Groundwater Remediation
On September 30, 2022, Chemours submitted to NCDEQ and Cape Fear River Watch the Cape Fear River PFAS Mass Loading Assessment – Second Quarter 2022 Report pursuant to Consent Order Addendum Paragraph 1(b). This submission was also pursuant to quarterly reporting of mass loading sampling outlined in the Corrective Action Plan (Paragraph 16). On-going groundwater remediation activities are being conducted pursuant to Consent Order Addendum Paragraph 3 and are described earlier in this document under that paragraph.

Sections 19 and 20 Provision of Public Water Supplies, Whole Building Filtration Systems, and Reverse Osmosis Drinking Water Systems
As shown in the summary tables above, Chemours continues to make significant progress in implementing the Consent Order requirements of Paragraphs 19 and 20. RO acceptance rates and installations have maintained a steady pace. O&M activities for installed GAC systems continue uninterrupted. Bottled water services continue uninterrupted for 2,604 homes. In September 2021, Chemours entered into an agreement with Bladen County to fund public water system upgrades and connections associated with providing permanent replacement drinking water supplies under the
Consent Order, and Chemours proceeded with implementation of the agreement during the third quarter of 2022.

On July 13, 2022, Chemours sent NCDEQ a letter responding to NCDEQ’s June 15, 2022 letter concerning the issuance by EPA of a Final Health Advisory for GenX Chemicals, including HFPO-Dimer Acid. In the response letter, Chemours provided details of its plans to implement actions based on the Health Advisory level pursuant to Paragraph 19 of the Consent Order. Chemours also submitted to NCDEQ on August 23, 2022 a Carbon Transition Plan that provided changes to GAC installation procedures.

On September 12, 2022, Chemours started sending property owners a letter indicating their eligibility for permanent replacement drinking water pursuant to Paragraph 19 and asking for their preference among the permanent replacement drinking water options.

**Section 21 Private Well Testing**
As of September 30, 2022, 15,010 residences have been identified within the current study area, of which 11,429 have been sampled and 2,495 additional residences have received at least one initial sample offer letter. Results of sampling that occurred throughout the third quarter of 2022 (984 residences) are presented at the beginning of this progress report. Current Step-out and Infill distance intervals range from 2.5 miles to 25.5 miles from the Site.

Chemours continues to follow the private well cold calling protocol (i.e., to confirm residences, tenant/owner name and phone number, addresses, not connected to public water, and residents’ willingness to have a sample collected from their drinking water well).

**Section 22 Provision of Sampling Results**
Chemours provided (and continues to provide) sampling results to NCDEQ and residents as required under the Consent Order. Chemours has provided sampling results to NCDEQ by sending a courtesy email notification and by uploading sampling results to the state EQUIS database. Chemours has also provided final lab reports to NCDEQ. Chemours has provided sampling results to residents by including preliminary results with water filtration system initial offer letters and sending the final lab reports to residents within the following 30 days. Chemours has also provided non-detect sampling results to residents.

**Section 23 Interim Replacement of Private Drinking Water Supplies**
All residences eligible to receive the interim replacement drinking water supplies have received the supplies (i.e., bottled water or voucher card for bottled water). As of September 30, 2022, there are 2,604 residences receiving bottled water services.

**Section 24 Drinking Water Compliance Plan**
As discussed above, the off-site replacement drinking water program continues. The Drinking Water Compliance Plan is currently under review and some of the protocols are being revised based on discussions with NCDEQ. The following revised procedures are currently implemented based on approval by NCDEQ:
• Point-of-Use (POU) Granular Activated Carbon (GAC) filtration systems for commercial establishments that were eligible for RO systems, pursuant to NCDEQ’s approval letter dated January 5, 2021.

• Chemours connected six homes in Cumberland County to public water as part of a pilot program and a report was submitted to NCDEQ on June 25, 2021 and approved by NCDEQ on September 22, 2021.

• The pilot program is now expanding to include additional residences for public water connections in the study area. Chemours has identified potential additional residences for public water connections. Chemours is working with counties and water providers to facilitate the public water connections where feasibility has been determined. As of the end of the third quarter of 2022, Chemours is working with public water providers to verify 525 properties that may be connected to public water.

• Since the second quarter of 2020, the GAC OM&M sampling has been revised to include quarterly sampling in between the lead and lag carbon vessel and one annual raw water sample. Additionally, as noted above, Chemours submitted a Carbon Transition Plan on August 23, 2022 to NCDEQ outlining changes to GAC Point of Entry Treatment (POET) installation and maintenance procedures based on GAC system experiences to date.

Section 28 Reporting

Sections 29 and 30 Public Information
Chemours has continued to post its Consent Order submissions at https://www.chemours.com/en/about-chemours/global-reach/fayetteville-works/compliance-testing. During the third quarter of 2022, Chemours held two public information sessions on plans to expand its manufacturing capabilities at Fayetteville Works - on September 20 at the Bladen Community College Auditorium and on September 21 at the Leland Cultural Arts Center.
Four Counties Sampling Program
In accordance with the “Framework to Assess Table 3+ PFAS in New Hanover, Brunswick, Columbus, and Pender Counties” (the “Assessment Framework”), Chemours submitted to NCDEQ a work plan to conduct groundwater and soil sampling in the four counties (New Hanover, Brunswick, Columbus, and Pender counties) on August 29, 2022. The design of the sampling program is guided by four hypotheses for the source(s) and cause(s) of Table 3+ PFAS detected in some groundwater samples in the four counties and sampling of background areas (expected not to have detectable concentrations of Table 3+ PFAS).

Chemours maintained communication between representatives from Brunswick County, Pender County, and New Hanover County health departments to request private well construction records. Chemours is in the process of reviewing well construction records received from the county health departments.

Interim Sampling and Drinking Water Plan for Four Counties
Based on the revised Interim Plan dated June 1, 2022, Representative Sampling activities continued in the third quarter which included eligible private wells identified through community outreach via letters across the four counties, proximity to Consent Order exceedances, and requests received via the call line or web form. Three monthly reports (for June, July, and August 2022) were submitted to NCDEQ during the third quarter which documented the progress of this private well program.

As of September 30, 2022, 12,381 addresses have been screened for sampling eligibility, and 3,543 met the eligibility criteria. Of these 3,543 eligible locations, 2,737 have been scheduled for sampling and 1,985 have been sampled. Of the 1,382 samples with analytical results, 1,073 showed no exceedances of Consent Order Attachment C criteria. Bottled water has been provided to the 305 residents/owners that qualified. The four other results that showed exceedances were resamples of wells that were sampled by NCDEQ and these locations are already connected to a public water source.
## 2022 Third Quarter Residential Summary

<table>
<thead>
<tr>
<th>Item</th>
<th>New Hanover County</th>
<th>Brunswick County</th>
<th>Pender County</th>
<th>Columbus County</th>
<th>Total</th>
</tr>
</thead>
<tbody>
<tr>
<td>Total Number of Residences Sampled</td>
<td>1,308</td>
<td>154</td>
<td>480</td>
<td>43</td>
<td>1,985</td>
</tr>
<tr>
<td>Total Number of Residences with Sample Results</td>
<td>996</td>
<td>119</td>
<td>231</td>
<td>36</td>
<td>1,382</td>
</tr>
<tr>
<td>Residences Exceeding GAC Criteria (GenX &gt;= 10 ng/L)</td>
<td>29</td>
<td>8</td>
<td>1</td>
<td>0</td>
<td>38</td>
</tr>
<tr>
<td>Residences Exceeding RO Criteria (ΣPFAS &gt;= 70 ng/L)</td>
<td>93</td>
<td>9</td>
<td>20</td>
<td>0</td>
<td>122</td>
</tr>
<tr>
<td>Residences Exceeding RO Criteria (PFAS &gt;= 10 ng/L)</td>
<td>119</td>
<td>6</td>
<td>23</td>
<td>1</td>
<td>149</td>
</tr>
<tr>
<td>Residences Drinking Water Well Detections (Results &lt; 10 ng/L)</td>
<td>262</td>
<td>13</td>
<td>22</td>
<td>1</td>
<td>298</td>
</tr>
<tr>
<td>Residences Drinking Water Well Non-Detections</td>
<td>493</td>
<td>83</td>
<td>165</td>
<td>34</td>
<td>775</td>
</tr>
</tbody>
</table>

## Replacement Drinking Water Actions

(Replacement drinking water actions from February 15, 2022\(^3\) - September 30, 2022)

### Four Counties Area

<table>
<thead>
<tr>
<th>Summary</th>
<th>Total Number of Residences with Sample Results(^4)</th>
<th>Residences with Results Above Consent Order Criteria</th>
<th>Residences Provided Interim Replacement Drinking Water</th>
</tr>
</thead>
<tbody>
<tr>
<td>Total</td>
<td>1,382</td>
<td>309</td>
<td>305</td>
</tr>
</tbody>
</table>

\(^3\) The start date of the Chemours Call Line in the Four Counties Area.

\(^4\) Includes eight NCDEQ resampled locations which are not all residences (i.e., country clubs, parks).