Status of Notifications to Agricultural Operations
for Fiscal Year 2023

July 2023

Office of the Assistant Secretary of Defense
for Energy, Installations, and Environment
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Status of Agricultural Operation Notifications
I. INTRODUCTION

Section 335(d), of the William M. Mac Thornberry National Defense Authorization Act (NDAA) for Fiscal Year (FY) 2021 (Public Law 116-283), requests the Secretary of Defense to provide an annual report on the Department of Defense’s (DoD’s) status of providing notifications to agricultural operations located within one mile down gradient of a Military Installation or National Guard facility where a “covered” per- and polyfluoroalkyl substances (PFAS)\(^1\) (1) has been detected in groundwater on base; (2) has been hydrologically linked to a local agricultural or drinking water source; and (3) is known or suspected to be the result of a PFAS release at a Military Installation or National Guard facility located in the United States. This report covers the notifications sent to agricultural operations from April 1, 2022, through March 31, 2023.

II. BACKGROUND

PFAS is a national issue that requires national solutions. Under section 335(a) of the NDAA for FY 2021, DoD was required to provide one-time notifications to certain agricultural operations that alerted them to DoD PFAS sampling information. DoD worked in consultation with the U.S. Department of Agriculture to obtain names and addresses of agricultural operations near Military Installations or National Guard facilities. DoD then reviewed its data from the installations where we are conducting PFAS cleanup assessments to determine if on-installation groundwater could be hydrologically connected to down gradient agricultural operations within one mile of the installation. DoD was required to provide updated test results to agricultural operations that received a notice under section 335(a) and to submit an annual report to Congress under section 335(d). In order to increase transparency of data sharing, DoD extended the notification requirements in section 335(a), to groundwater sampling performed after section 335 the FY 2021 NDAA was enacted. See DoD’s memorandum on Agricultural Operations Notifications and Reporting Requirement dated November 5, 2021.

III. STATUS OF AGRICULTURAL OPERATIONS NOTIFICATIONS

The Department notified agricultural operations consistent with the requirement in section 335 of the NDAA for FY 2021.

During the period of April 1, 2022, through March 31, 2023, the DoD Components have sent notifications to 367 identified agricultural operations consistent with section 335 of the NDAA for FY 2021. The DoD Components also sent pertinent updated information to 286 previously notified agricultural operations in accordance with section 335(c). The appendix provides the number and approximate locations of agricultural operations notified; the associated Military Installation or National Guard facility; and the covered PFAS and levels detected in groundwater on base. Since March 1, 2021, the Department has sent notifications to 3,911

\(^1\) “Covered PFAS” is defined as perfluorooctane sulfonate (PFOS) that has been detected in groundwater above 70 parts per trillion (ppt), individually or in combination with perfluorooctanoic acid (PFOA); and/or PFOA that has been detected in groundwater above 70 ppt, individually or in combination with PFOS; and/or perfluorobutanesulfonic acid that has been detected in groundwater above 40 parts per billion.
agricultural operations. Providing these agricultural notifications does not necessarily mean that PFAS is in the groundwater at the agricultural location or that cleanup is required.

IV. CONCLUSION

The DoD Components will continue to prioritize this effort and send additional notifications as agricultural operations are identified consistent with section 335 of the NDAA for FY 2021.
Appendix: Status of Agricultural Operational Notifications

<table>
<thead>
<tr>
<th>State</th>
<th>Installation</th>
<th>City</th>
<th>DoD Component</th>
<th>Installation Type</th>
<th>Number of New Notifications Sent between April 1, 2022 and March 31, 2023</th>
<th>Number of Updated Testing Notifications a Sent between April 1, 2022 and March 31, 2023</th>
<th>PFOS Range Detected (ppt)</th>
<th>PFOA Range Detected (ppt)</th>
<th>PFBS Range Detected (ppb)</th>
</tr>
</thead>
<tbody>
<tr>
<td>Arizona</td>
<td>YUMA AZ MCAS</td>
<td>Yuma</td>
<td>USMC</td>
<td>Active</td>
<td>7</td>
<td>8</td>
<td>ND - 7,070</td>
<td>ND - 10,200</td>
<td>ND - 2,54</td>
</tr>
<tr>
<td>California</td>
<td>LEMOORE NAS</td>
<td>Lemoore</td>
<td>Navy</td>
<td>Active</td>
<td>62</td>
<td>0</td>
<td>ND - 81,000 J</td>
<td>11 - 1,000,000 J</td>
<td>ND - 13 J</td>
</tr>
<tr>
<td>Colorado</td>
<td>Buckley AFB</td>
<td>Aurora</td>
<td>Air Force</td>
<td>Active</td>
<td>0</td>
<td>23</td>
<td>70 - 120,000</td>
<td>70 - 190,000</td>
<td></td>
</tr>
<tr>
<td>Florida</td>
<td>WHITING FLD FL NAS</td>
<td>Milton</td>
<td>Navy</td>
<td>Active</td>
<td>31</td>
<td>0</td>
<td>ND - 53,600</td>
<td>ND - 17,400</td>
<td>ND - 0.575</td>
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<tr>
<td>Georgia</td>
<td>KINGS BAY</td>
<td>Kings Bay</td>
<td>Navy</td>
<td>Active</td>
<td>3</td>
<td>0</td>
<td>ND - 41,600</td>
<td>ND - 881</td>
<td>ND - 0.159</td>
</tr>
<tr>
<td>Illinois</td>
<td>Springfield Municipal (Capital)</td>
<td>Springfield</td>
<td>Air Force</td>
<td>National Guard</td>
<td>0</td>
<td>9</td>
<td>67.8 - 13,100</td>
<td>156 - 1,620</td>
<td></td>
</tr>
<tr>
<td>Maine</td>
<td>Loring AFB</td>
<td>Limeshore</td>
<td>Air Force</td>
<td>BRAC</td>
<td>0</td>
<td>29</td>
<td>70.5 - 8,000</td>
<td>72.3 - 2,340</td>
<td>41.2 - 259</td>
</tr>
<tr>
<td>Mississippi</td>
<td>MERIDIAN MS NAS</td>
<td>Meridian</td>
<td>Navy</td>
<td>Active</td>
<td>12</td>
<td>0</td>
<td>0.68 J - 125,000</td>
<td>ND - 38,000 A</td>
<td>ND - 6.2</td>
</tr>
<tr>
<td>Mississippi</td>
<td>GULFPORT MS NCB</td>
<td>Gulfport</td>
<td>Navy</td>
<td>Active</td>
<td>0</td>
<td>5</td>
<td>ND - 68.8</td>
<td>ND - 2470</td>
<td>ND - 0.035</td>
</tr>
<tr>
<td>Nevada</td>
<td>FALLON NAS</td>
<td>Navy</td>
<td>Navy</td>
<td>Active</td>
<td>44</td>
<td>0</td>
<td>ND - 670,000 J</td>
<td>ND - 1,000,000 J</td>
<td>ND - 34 J</td>
</tr>
<tr>
<td>New Mexico</td>
<td>Cannon AFB</td>
<td>Clovis</td>
<td>Air Force</td>
<td>Active</td>
<td>0</td>
<td>11</td>
<td>81 - 29,700</td>
<td>71 - 3,100</td>
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</tr>
<tr>
<td>New Mexico</td>
<td>Holloman AFB</td>
<td>Alamogordo</td>
<td>Air Force</td>
<td>Active</td>
<td>0</td>
<td>4</td>
<td>24.3 - 1,040,000</td>
<td>115 - 266,000</td>
<td>226</td>
</tr>
<tr>
<td>North Carolina</td>
<td>CAMP LEJEUNE NC MCB</td>
<td>Camp Lejeune</td>
<td>USMC</td>
<td>Active</td>
<td>36</td>
<td>0</td>
<td>ND - 172,748 J</td>
<td>ND - 25,100</td>
<td>ND - 16.2</td>
</tr>
<tr>
<td>North Carolina</td>
<td>CHERRY POINT NC MCAS</td>
<td>Cherry Point</td>
<td>USMC</td>
<td>Active</td>
<td>18</td>
<td>0</td>
<td>ND - 266</td>
<td>ND - 142</td>
<td>ND - 0.025</td>
</tr>
<tr>
<td>Pennsylvania</td>
<td>MECHANICBurg NSA</td>
<td>Mechanicsburg</td>
<td>Navy</td>
<td>Active</td>
<td>11</td>
<td>0</td>
<td>ND - 2,780</td>
<td>ND - 132</td>
<td>ND - 0.0815</td>
</tr>
<tr>
<td>South Carolina</td>
<td>MCAS BEAUFORT</td>
<td>Beaufort</td>
<td>USMC</td>
<td>Active</td>
<td>75</td>
<td>0</td>
<td>ND - 1,100,00</td>
<td>2.4 - 182,000</td>
<td>ND - 15</td>
</tr>
<tr>
<td>Texas</td>
<td>Reese AFB</td>
<td>Lubbock</td>
<td>Air Force</td>
<td>BRAC</td>
<td>0</td>
<td>45</td>
<td>70 - 1,860</td>
<td>70 - 8,750</td>
<td></td>
</tr>
<tr>
<td>Utah</td>
<td>Hill AFB</td>
<td>Ogden</td>
<td>Air Force</td>
<td>Active</td>
<td>0</td>
<td>71</td>
<td>73 - 91,000</td>
<td>70 - 11,000</td>
<td></td>
</tr>
<tr>
<td>Virginia</td>
<td>CHESAPEAKE VA NSGA NW</td>
<td>Chesapeake</td>
<td>Navy</td>
<td>Active</td>
<td>14</td>
<td>0</td>
<td>0.18 - 15,221</td>
<td>0.18 - 230</td>
<td>0.00018 - 0.207</td>
</tr>
<tr>
<td>Virginia</td>
<td>NMC DET YORKTOWN</td>
<td>Yorktown</td>
<td>Navy</td>
<td>Active</td>
<td>1</td>
<td>1</td>
<td>ND - 5460</td>
<td>ND - 148,000</td>
<td>ND - 1.01</td>
</tr>
<tr>
<td>Virginia</td>
<td>NORFOLK VA FISC</td>
<td>Norfolk</td>
<td>Navy</td>
<td>Active</td>
<td>0</td>
<td>4</td>
<td>ND - 854</td>
<td>ND - 194</td>
<td>ND - 0.039</td>
</tr>
<tr>
<td>Washington</td>
<td>WHIDGEY IS WA NAS</td>
<td>Oak Harbor</td>
<td>Navy</td>
<td>Active</td>
<td>0</td>
<td>73</td>
<td>ND - 77,200</td>
<td>ND - 81,200</td>
<td>ND - 3.37</td>
</tr>
<tr>
<td>Washington</td>
<td>BREMERTON WA NAVBASE</td>
<td>Bremerton</td>
<td>Navy</td>
<td>Active</td>
<td>0</td>
<td>3</td>
<td>ND - 19,39</td>
<td>ND - 200</td>
<td>ND - 0.065</td>
</tr>
<tr>
<td>Washington</td>
<td>JB Lewis McCord - Yakima Training Center</td>
<td>Yakima</td>
<td>Army</td>
<td>Active</td>
<td>53</td>
<td>0</td>
<td>ND - 45,000</td>
<td>ND - 5,200</td>
<td>ND - 6.9</td>
</tr>
</tbody>
</table>

Total Notifications Sent: 387 286

ND - Non-detect
J - The reported result is an estimate. The value is less than the minimum calibration level but greater than the estimated detection limit.

Footnotes:
1: The agricultural operations notified are located within one mile down gradient of a Military Installation or National Guard facility where covered per- and polyfluoroalkyl substances (PFAS) (1) has been detected in groundwater on base; (2) has been hydrologically linked to a local agricultural or drinking water source; and (3) is known or suspected to be the result of a PFAS release at a Military Installation or National Guard facility located in the United States.
2: Section 335 of the NDAA for FY 2021 defines “covered PFAS” as perfluorooctane sulfonate (PFOS) that has been detected in groundwater above 70 parts per trillion (ppt), individually or in combination with perfluorooctanoic acid (PFOA); and/or PFOA that has been detected in groundwater above 70 ppt, individually or in combination with PFOS; and/or perfluorobutanesulfonic acid (PFBS) that has been detected in groundwater above 40 parts per billion.

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