



NATIONAL GUARD BUREAU

3501 FETCHET AVENUE

JOINT BASE ANDREWS MD 20762-5157

15 April 2021

ANN V GOGGIN
5985 LA FRANCE RD
SANDSTON, VA 23150-6106

Dear ANN V GOGGIN,

I am contacting you, in accordance with the requirements of Section 335 of the 2021 National Defense Authorization Act provided in Attachment 1. The Air National Guard (ANG) sampled groundwater at the former Byrd Field Air National Guard Base (ANGB), Richmond, Virginia where ANG activities may have released per- and polyfluoroalkyl substances (PFAS). Our sampling perfluorooctane sulfonate (PFOS) and perfluorooctanoic acid (PFOA) above the notification levels which can be found in Attachment 2. Your agricultural operation is located within one mile downgradient of Byrd Field ANGB. I obtained your name and address from the U.S. Department of Agriculture as part of our consultation with them in providing this notice.

ANG is committed to proactively addressing PFOS/PFOA and follows the federal cleanup law, the Comprehensive Environmental Response, Compensation, and Liability Act of 1980 (CERCLA), for all chemicals in our cleanup program. ANG follows the CERCLA process to fully investigate a potential release of these chemicals and determine the appropriate cleanup actions based on risk. ANG is first addressing sites that pose the greatest potential risk to human health, such as PFOS and PFOA in drinking water. The Byrd Field ANGB will coordinate its investigation with the appropriate state regulators and provide opportunities for public participation. Byrd Field ANGB will also incorporate any relevant federal or state standards into the cleanup process as final cleanup standards as required by federal law. We encourage you to visit ANG's Administrative Record (<https://ar.afcec-cloud.af.mil/>) to learn more about the ongoing cleanup actions at Byrd Field ANGB. The ANG will seek your approval prior to conducting response activities on your property, including an investigation, if determined necessary.

PFOS and PFOA are part of a larger class of man-made chemicals known as per- and polyfluoroalkyl substances (PFAS). Scientists are still studying the health effects of exposure to PFAS and they are the subject of increasing regulation worldwide. At this time, there are no established federal standards for PFAS in groundwater, livestock, food commodities, and drinking water, or known federal restrictions for the sale of agricultural products that have been irrigated or watered with water containing PFAS. Relevant governmental information regarding the health and safety of the covered PFAS detected, including relevant State standards for PFAS in groundwater, livestock, food commodities and drinking water, and any known restrictions for sale of agricultural products that have been irrigated or watered with water containing PFAS is found in Attachment 3.

ANG will work with you and the Virginia Department of Environmental Quality to share information on our ongoing efforts to ensure the protection of human health and the environment. If you have any questions or concerns about this matter, please contact Verónica Brieno Rankin at (240) 612-7608 or by email at veronica.brieno_rankin@us.af.mil.

Sincerely

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Date: 2021.04.15 10:30:38 -0400

Elaine Magdinec, P.E., GS-15
Chief, Environmental Division

Attachments: as stated

cc:
Wing/CC

SEC. 335. NOTIFICATION TO AGRICULTURAL OPERATIONS LOCATED IN AREAS EXPOSED TO DEPARTMENT OF DEFENSE PFAS USE.

(a) **NOTIFICATION REQUIRED.**—Not later than 60 days after the date of the enactment of this Act, the Secretary of Defense, in consultation with the Secretary of Agriculture, shall provide a notification described in subsection (b) to any agricultural operation located within one mile down gradient of a military installation or National Guard facility where covered PFAS—

- (1) has been detected in groundwater;
- (2) has been hydrologically linked to a local agricultural or drinking water source, including a water well; and
- (3) is suspected to be, or known to be, the result of the use of PFAS at an installation of the Department of Defense located in the United States or State-owned facility of the National Guard.

(b) **NOTIFICATION REQUIREMENTS.**—The notification required under subsection (a) shall include the following information:

- (1) The name of the Department of Defense installation or National Guard facility from which the covered PFAS in groundwater originated.
- (2) The specific covered PFAS detected in groundwater.
- (3) The levels of the covered PFAS detected.
- (4) Relevant governmental information regarding the health and safety of the covered PFAS detected, including relevant Federal or State standards for PFAS in groundwater, livestock, food commodities and drinking water, and any known restrictions for sale of agricultural products that have been irrigated or watered with water containing PFAS.

(c) **ADDITIONAL TESTING RESULTS.**—The Secretary of Defense shall provide to an agricultural operation that receives a notice under subsection (a) any pertinent updated information, including any results of new elevated testing, by not later than 15 days after receiving validated test results.

(d) **REPORT TO CONGRESS.**—Not later than 90 days after the date of the enactment of this Act, and annually thereafter, the Secretary of Defense shall submit to the Committee on Agriculture, Nutrition, and Forestry of the Senate and the Committee on Agriculture of the House of Representatives a report on the status of providing notice under subsection (a). Such report shall include, for the period covered by the report—

- (1) the approximate locations of such operations relative to installations of the Department of Defense located in the United States and State-owned facilities of the National Guard;
- (2) the covered PFAS detected in groundwater; and
- (3) the levels of covered PFAS detected.

(e) **DEFINITIONS.**—In this section:

- (1) The term “covered PFAS” means each of the following:
 - (A) Perfluorooctanoic acid (commonly referred to as “PFOA”) (Chemical Abstracts Service No. 335–67–1) detected in groundwater above 70 parts per trillion, individually or in combination with PFOS.
 - (B) Perfluorooctane sulfonic acid (commonly referred to as “PFOS”) (Chemical Abstracts Service No. 1763–23–1) detected in groundwater above 70 parts per trillion, individually or in combination with PFOA.
 - (C) Perfluorobutanesulfonic acid (commonly referred to as “PFBS”) (Chemical Abstracts Service No. 375–73–5) detected in groundwater above 40 parts per billion.
- (2) The term “PFAS” means a perfluoroalkyl or polyfluoroalkyl substance with at least one fully fluorinated carbon atom, including the chemical GenX.

Former Byrd Field Air National Guard Base, VA
Groundwater Detection Sampling Range

Attachment 2

	PFOS	PFOA	PFBS
Notification Level	70 ppt	70 ppt	40 ppb
Range Detected	59 ppt -1,680 ppt	11.3 ppt - 2,270 ppt	Not detected above 40 ppb

PFAS= per- and polyfluoroalkyl substances

PFBS = perfluorobutane sulfonic acid

PFOA = perfluorooctanoic acid

PFOS = perfluorooctane sulfonate

ppt = parts per trillion

ppb = parts per billion

Relevant Federal Information

The following references include relevant governmental information regarding the health and safety of the covered per- and polyfluoroalkyl substances (PFAS) (i.e., PFOS, PFOA, PFBS) detected.

- U.S. Environmental Protection Agency Interim Recommendations to Address Groundwater Contaminated with Perfluorooctanoic Acid and Perfluorooctanesulfonate, Office of Land and Emergency Management Directive No. 9283.1-47 (December 19, 2019)
- U.S. Environmental Protection Agency: epa.gov/PFAS
- Agency for Toxic Substances and Disease Registry: <https://www.atsdr.cdc.gov/pfas/index.html>
- Food and Drug Administration: <https://www.fda.gov/food/chemicals-and-polyfluoroalkyl-substances-pfas>
- DoD PFAS website: defense.gov/PFAS
- Air Force PFAS website: <https://www.afcec.af.mil/WhatWeDo/Environment/Perfluorinated-Compounds/>

Relevant State Standard

At this time, there are no established Virginia standards for the covered PFAS (i.e., PFOS, PFOA, or PFBS) in groundwater, livestock, food commodities, and drinking water or known restrictions for the sale of agricultural products that have been irrigated or watered with water containing PFAS.