Form Approved OMB No. 0923-XXXX Exp. Date xx/xx/201x

Pease Adult Questionnaire

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Parent Study ID No.	(alias, if applicable)
Adult Study ID No.	
Section A: Demographic Information	n
A1. What is your sex:	
Male	
Female	
Refused to answer	
A2. What is your date of age?	
(YY)	
Refused to answer	
A3. Do you consider yourself to be H	ispanic or Latino?
Yes	
No	
Refused to answer	
A4. What race do you consider yours	self to be? Mark all that apply.

American Indian or Alaska Native
Asian
Black or African American
Native Hawaiian or Other Pacific Islander
White
Refused to answer
A6. What is the highest level of education you completed?
Less than high school
Some high schoolHigh school graduate or equivalent (GED)
Some university/college
Technical or trade school
University/college graduate
Graduate school or higher
Section B: Drinking Water and AAAF Exposures
B1. What is the main source of tap water in your home?
Pease International Tradeport public water system
Other Portsmouth public water system
Private well in Pease International Tradeport area with documented PFAS contamination
Private well not in Pease International Tradeport areaOther: specify
Other: speeny
Refused to answer
B2. On average, how many 8 oz. cups of tap water or beverages prepared with tap water do you currently drink per day at home?
cups Don't drink tan water
Don't drink tap water

Note: 1 cup = 8 oz.; 2 cups = 1 pint (16 oz.); 4 cups = 1 quart (32 oz.); 16 cups = 1 Gallon (128 oz.)

Yes, stationed only, active duty → go to Yes, both stationed and employed → go Yes, employed only, not active duty → No → go to Question B10	to Question B4 go to Question B4
B4. When were you stationed at the form Starting Date: / (Month/Year)	
	Don't Know
If B3 = Yes, stationed only, active duty \rightarrow	go to Question B6
B5. When were you employed at the form	
Starting Date:/(Month/Year) Don't Know	End Date: / (Month/Year) Don't Know
B6. While at the former Pease Air Force B fire protection your occupational specialty	ase, did you take part in firefighting training exercises or was y (or enlisted job)?
YesTraining No	Occupational specialty
	r employed at the former Pease Air Force Base, on average
how many 8 oz. cups of tap water or beve base?	erages prepared with tap water did you drink per day while or
cups Didn't drink tap water	
Don't know	
Refused to answer	
Note: 1 cup = 0 oz : 2 cups = 1 pipt /1/ oz	\. 4 cups = 1 cuprt (22 oz \. 14 cups = 1 Callon (129 oz \.

While at the former Pease Air Force Base, did you take part in firefighting training exercises or was fire protection your occupational specialty (or enlisted job)

B8. Did you ever work at the Pease International Tradeport in Portsmouth, New Hampshire?Yes
No →go to Question B11.
B9. When were you employed at the Pease International Tradeport? Starting Date:/(Month/Year) End Date:/(Month/Year) Don't Know Don't Know
B10. The next two questions are about drinking water habits of people who worked at the Pease International Tradeport before and after the PFAS contamination was discovered and corrected. I am using June 2014 as that date. During the time you worked at the Pease International Tradeport before June 2014, on average how many 8 oz. cups of tap water or beverages prepared with tap water did you drink per day at work? cups Didn't drink tap water Don't know
Refused to answer I did not work at the Pease International Tradeport before June 2014
Note: 1 cup = 8 oz.; 2 cups = 1 pint (16 oz.); 4 cups = 1 quart (32 oz.); 16 cups = 1 Gallon (128 oz.)
B11. During the time you worked at the Pease International Tradeport after June 2014, on average how many 8 oz. cups of tap water or beverages prepared with tap water did you drink per day at work? cups Didn't drink tap water
Don't know Refused to answer
I did not work at the Pease International Tradeport after June 2014
Note: 1 cup = 8 oz.; 2 cups = 1 pint (16 oz.); 4 cups = 1 quart (32 oz.); 16 cups = 1 Gallon (128 oz.)
B12. If you are 35 years of age or younger, did you ever attended daycare at the Pease International Tradeport? (The day care centers at the Pease International Tradeport are The Discovery Child Enrichment Center and The Great Bay Kids' Company.)I am older than 35 years of age →go to Question C1.

Yes, I attended day care at Pease
$_{}$ No → go to Question C1.
Refused to answer →go to Question C1.
Don't Know →go to Question C1.
B13. When did you attend day care at the Pease International Tradeport?
Start date End date
Don't Know Don't Know
B14. The next two questions are about drinking water habits of people who attended day care at the Pease International Tradeport before and after the PFAS contamination was discovered and corrected. I am using June 2014 as that date. During the time you attended day care at the Pease International Tradeport before June 2014, on average how many 8 oz. cups of tap water or beverages prepared with tap water did you drink per day at day care? cups Didn't drink tap water Don't know Refused to answer
I did not attend day care at the Pease International Tradeport before June 2014
Note: 1 cup = 8 oz.; 2 cups = 1 pint (16 oz.); 4 cups = 1 quart (32 oz.); 16 cups = 1 Gallon (128 oz.)
B15. During the time you attended day care at the Pease International Tradeport before June 2014, on average how many 8 oz. cups of tap water or beverages prepared with tap water did you drink per day at day care? cups
Didn't drink tap water
Don't know
Refused to answer
I did not attend day care at the Pease International Tradeport before June 2014
Note: 1 cup = 8 oz.; 2 cups = 1 pint (16 oz.); 4 cups = 1 quart (32 oz.); 16 cups = 1 Gallon (128 oz.)

Section C: History of Potential Exposure Modifiers

C1. Have you ever had a blood transfusion?
Yes
Follow up later
No →go to Question C3
Don't know →go to Question C3
Refused to answer →go to Question C3
C2. When did you last have a blood transfusion? month/year
C3. Have you ever donated blood?
Yes
No →go to Question D1
Don't know →go to Question D1
Refused to answer →go to Question D1
C4. When did you last donate blood?
Month/Year
C5. On average, how often do you donate blood in a year?
Section D: Occupational History
D1. What is your primary occupation?
D2. Please fill out the table below for each job that lasted one month or more starting from the prese

D2. Please fill out the table below for each job that lasted one month or more starting from the present and working back to 1993.

Job information	Job 1	Job 2	Job 3	Job 4
a. Where did you work (City, State)				
b. Was this job located at the former Pease Air Force Base or the Pease International Tradeport?	Yes No	Yes No	Yes No	Yes No
c. Start date (month, year)				
d. End date (month, year)				
e. Job title/description				
f. Did you work as a firefighter?	Yes No go to question g.	Yes No go to question g.	Yes No go to question g.	Yes No go to question g.
If you worked as a firefighter, did				
you come into contact with	Yes	Yes	Yes	Yes
firefighting foam used for fires that	No	No	No	No
involve flammable liquids (also known as Class B fires)?	Don't know	Don't know	Don't know	Don't know
g. Was this job in any of the	Manufacturing of nonstick	Manufacturing of nonstick	Manufacturing of nonstick	Manufacturing of nonstick
following industries?	cookware	cookware	cookware	cookware
	yesno	yesno	yesno	yesno
	Manufacturing of stain	Manufacturing of stain	Manufacturing of stain	Manufacturing of stain
	resistant coatings used on	resistant coatings used on carpets, upholstery, and other	resistant coatings used on carpets, upholstery, and other	resistant coatings used on carpets, upholstery, and other
	carpets, upholstery, and other fabrics	fabrics	fabrics	fabrics
		yesno	yesno	yesno
	yesno Manufacturing of water resistant clothing	Manufacturing of water resistant clothing	Manufacturing of water resistant clothing	Manufacturing of water resistant clothing
	yesno	yesno	yesno	yesno
h. Did you work with or around any	Yes (Please specify the	Yes (Please	Yes (Please	Yes (Please specify the
chemicals at this job such as solvents, metals, asbestos, or	chemical)	specify the chemical)	specify the chemical)	chemical)
pesticides?	No	No	No	No
		on't know	Don't know	Don't know
i. Did you work with radiation?	Yes	Yes	Yes	Yes
	No	No	No	No

Job information	Job 5	Job 6	Job 7	Job 8
a. Where did you work (City, State)		705 0	7007	7000
b. Was this job located at the	Yes	Yes	Yes	Yes
former Pease Air Force Base or the	No	No	No	No
Pease				
International Tradeport?				
c. Start date (month, year)				
d. End date (month, year)				
e. Job title/description				
f. Did you work as a firefighter?	Yes	Yes	Yes	Yes
	No go to question g.			
If you worked as a firefighter, did				
you come into contact with	Yes	Yes	Yes	Yes
firefighting foam used for fires that	No	No	No	No
involve flammable liquids (also	Don't know	Don't know	Don't know	Don't know
known as Class B fires)?				
g. Was this job in any of the	Manufacturing of nonstick	Manufacturing of nonstick	Manufacturing of nonstick	Manufacturing of nonstick
following industries?	cookware	cookware	cookware	cookware
	yesno	yesno	yesno	yesno
	Manufacturing of stain	Manufacturing of stain	Manufacturing of stain	Manufacturing of stain
	resistant coatings used on			
	carpets, upholstery, and other			
	fabrics	fabrics	fabrics	fabrics
	yesno	yesno	yesno	yesno
	Manufacturing of water	Manufacturing of water	Manufacturing of water	Manufacturing of water
	resistant clothing	resistant clothing	resistant clothing	resistant clothing
	yesno	yesno	yesno	yesno
h. Did you work with or around any	Yes (Please specify the	Yes (Please	Yes (Please	Yes (Please specify the
chemicals at this job such as	chemical)	specify the chemical)	specify the chemical)	chemical)
solvents, metals, asbestos, or				,
pesticides?		N _a	N _a	N _a
	No	No	No	No
	Don't know D D	on't know	Don't know	Don't know
i. Did you work with radiation?	Yes	Yes	Yes	Yes
	No	No	No	No

Job information	Job 9	Job 10	Job 11	Job 12
a. Where did you work (City, State)				
b. Was this job located at the former Pease Air Force Base or the Pease International Tradeport?	Yes No	Yes No	Yes No	Yes No
c. Start date (month, year)				
d. End date (month, year)				
e. Job title/description				
f. Did you work as a firefighter?	Yes No go to question g.			
If you worked as a firefighter, did				
you come into contact with	Yes	Yes	Yes	Yes
firefighting foam used for fires that	No	No	No	No
involve flammable liquids (also known as Class B fires)?	Don't know	Don't know	Don't know	Don't know
g. Was this job in any of the	Manufacturing of nonstick	Manufacturing of nonstick	Manufacturing of nonstick	Manufacturing of nonstick
following industries?	cookware	cookware	cookware	cookware
	yesno	yesno	yesno	yesno
	Manufacturing of stain	Manufacturing of stain	Manufacturing of stain	Manufacturing of stain
	resistant coatings used on			
	carpets, upholstery, and other fabrics			
	yesno	yesno	yesno	yesno
	Manufacturing of water resistant clothingyesno			
h. Did you work with or around any	Yes (Please specify the	Yes (Please	Yes (Please	Yes (Please specify the
chemicals at this job such as solvents, metals, asbestos, or	chemical)	specify the chemical)	specify the chemical)	chemical)
pesticides?				
	No	No	No	No
	Don't know D D	on't know	Don't know	Don't know
i. Did you work with radiation?	Yes	Yes	Yes	Yes
	No	No	No	No

Section E: Medical History

E1. Have you ever been told by a doctor or other health care provider that you have or had any of the following medical conditions? If yes, we may request access to your medical records. Fill out the table below. Circle appropriate response and ask the respondent to specify as directed.

Medi	cal condition			If yes, what year were you diagnosed?
a.	Thyroid disease?	No	(Please specify)	year
b.	High cholesterol?	Yes No Dor	 't know	_ year
c.	High blood pressure? (not includi pregnancy induced hypertension)		 't know	year
d.	Heart Disease?	Yes No Dor	 't know	year
e.	Osteoarthritis or osteoporosis?	No	(Please specify) 't know	year
f.	Endometriosis?	Yes No Dor	 't know	_ year
g.	Liver disease?	No	(Please specify) 't know	year
h.	Kidney disease?	No	(Please specify) 't know	year
i.	Ulcerative colitis?	Yes No Dor	't know	year
j.	Rheumatoid arthritis?	Yes No Dor	 't know	year
k.	Lupus?	Yes No Dor	 't know	_ year
I.	Multiple sclerosis?		't know	_ year
m.	Diabetes (not related to pregnand	6(4o nod	(Please specify) 't know	_ year
n.	Asthma	Yes No Dor	 't know	_ year
0.	Parkinson Disease	Yes No		year

	Don't know	
	Yes	year
p. Chronic bronchitis	No Don't know	
	Yes	vear
q. Emphysema	No	year
	Don't know	
	Yes	year
r. Fibromyalgia	No Don't know	
	Yes	year
s. Celiac Disease	No	
	Don't know	
	Yes	year
t. Crohn's Disease	No Don't know	
	Doil t know	
No → go to Question D Don't know → go to Qu		
E3. In what state were you oState where you vYear you were diag	vere diagnosed	cancer and when were you diagnosed?
E4. Have you been diagnoseYes, please specify theNo → go to Question D	cancer	cer?
E5. In what state were you oState where you wYear you were diag	vere diagnosed	other cancer and when were you diagnosed?
E6. Please list any additiona and the state where you we		ere diagnosed with, the year that you were diagnosed,
Type of cancer		Type of cancer
Year diagnosed		Year diagnosed

Medical condition

If yes, what year were you diagnosed?

State where you were diagnosedState where you were diagnosed
FOR WOMEN ONLY
E8. At what age did you begin menstruation (have your first period)? Age when you began menstruation Have not yet begun to menstruate → go to Section F Never menstruated → go to Section F Don't know
E9. Do you have your period Yes, regularly (every month) Irregular → go to Question E13 No → go to Question E13 Don't know → go to Question E13
E10. How many days has been your cycle on average during the last year?>26 days27-29 days30-32>32 daysDon't know
E11. Can you characterize you usual period flow during the last year? Light Medium Heavy Don't know
E12. When was your last period before this study blood draw? Date: Don't know

E13. Are you post-menopausal?

___No → go to Question E15

___Yes

___Don't know

E14. What age did you consider yourself post-menopausal? years
E15. Have you ever been pregnant? Yes No → go to Section F Don't know
E16. How many times have you been pregnant in your life? times

E17. Now I'd like to get more information about each of your pregnancies. Let's start with your most recent pregnancy. Fill out the table below. Circle appropriate response and ask the respondent to specify as directed.

	Pregnancy 1	Pregnancy 2	Pregnancy 3	Pregnancy 4
a. What month and year did this	/	/	/	/
pregnancy start?				
b. What month and	/	/	/	/
year did this				
pregnancy end?				
	Pregnancy 1	Pregnancy 2	Pregnancy 3	Pregnancy 4
c. What was the	Live birth, single child			
outcome of this pregnancy?	Live birth, multiple children			
	Tubal pregnancy	Tubal pregnancy	Tubal pregnancy	Tubal pregnancy
	Elective abortion	Elective abortion	Elective abortion	Elective abortion
	Miscarriage or stillbirth	Miscarriage or stillbirth	Miscarriage or stillbirth	Miscarriage or stillbirth
d. If you had a miscarriage or stillbirth, how many weeks were you when the pregnancy ended? → go to Part k or to	weeks	weeks	weeks	weeks
Section F if last pregnancy				
e. What was the sex	Male	Male	Male	Male
of the child(ren)?	Female	Female	Female	Female
f. Did the birth(s)	Yes	Yes	Yes	Yes
occur three or more	No	No	No	No
weeks before the due date?	Don't know	Don't know	Don't know	Don't know
g. Did the child(ren)	Yes	Yes	Yes	Yes
weigh less	No	No	No	No
than 5.5 pounds	Don't know	Don't know	Don't know	Don't know

when born?				
h. Did the child(ren)	Yes (Please specify)	Yes (Please specify)	Yes (Please specify)	Yes (Please specify)
have any major birth				
defects?	No	No	No	No
	Don't know	Don't know	Don't know	Don't know
i. Did you breastfed	Yes	Yes	Yes	Yes
this child/these	No \rightarrow go to k.			
children?	Don't know	Don't know	Don't know	Don't know
j. How long did you	weeks OR	weeks OR	weeks OR	weeks OR
breastfeed [this	months OR	months OR	months OR	months OR
child/these	age of child	age of child	age of child	age of child
children]?				
	Pregnancy 1	Pregnancy 2	Pregnancy 3	Pregnancy 4
k. Did a doctor or	Yes	Yes	Yes	Yes
nurse say that you	No	No	No	No
had pre-eclampsia	Don't know	Don't know	Don't know	Don't know
during your				
pregnancy?				
I. Did a doctor or	Yes	Yes	Yes	Yes
nurse say that you	No	No	No	No
had pregnancy-	Don't know	Don't know	Don't know	Don't know
induced				
hypertension?				
m. Did a doctor or	Yes	Yes	Yes	Yes
nurse say that you	No	No	No	No
had gestational	Don't know	Don't know	Don't know	Don't know
diabetes?				

Section F: Social History

The following questions ask about smoking and alcohol use.

F1. Have you ever smoked cigarettes?
Yes
No → go to Question F7
F2. Do you currently smoke cigarettes?
Yes
No → go to Question F5
F3. On average, how many cigarettes do you smoke a day? <u>1 pack = 20 cigarettes. Enter '00' if less than</u>
<u>1 cigarette per day.</u>
cigarettes per day

F4. In total, how many years have you smoked, excluding any times you may have quit? <u>Enter '00' if less than 1 year.</u>

years → go to Question F7
F5. How many years did you smoke before you quit?years Don't know
F6. On average, when you were smoking, about how many cigarettes per day did you smoke? 1 pack = 20 cigarettes. Enter '00' if less than 1 cigarette per day. cigarettes per day
F7. Have you ever used any other tobacco products (such as chewing tobacco, smokeless tobacco, cigars, a pipe, etc.)?YesNo → go to Question F10
F8. Do you currently use any of these tobacco products? YesNo
F9. Have you ever drunk alcoholic beverages? (This includes beer, wine, wine coolers, hard lemonade, and spirits.)YesNo → go to Section G
F10. Do you currently drink alcoholic beverages? (This includes beer, wine, wine coolers, hard lemonade, and spirits.)YesNo → go to Section G.
F11. On average, how often do you drink alcoholic beverages?Every day or almost every day

2 to 4 times a week1 time a week1 to 3 times a monthLess than once a month
F12. When you drink, how many servings of alcohol do you usually have? One "serving" equals any of the following: 1 can of beer, 1 glass of wine, 1 can or bottle of wine cooler, or 1 shot of liquor. servings
F13. In total, how many years have you drank, excluding any times you may have quit? Enter '00' if less than 1 year. years → go to Section G
F14. When you were consuming alcoholic beverages, how often did you drink on average? Every day or almost every day 2 to 4 times a week 1 time a week 1 to 3 times a month Less than once a month
F15. When you drank, how many servings of alcohol did you usually have? One "serving" equals any of the following: 1 can of beer, 1 glass of wine, 1 can or bottle of wine cooler, or 1 shot of liquor. servings
F16. In total, how many years did you drink? Enter '00' if less than 1 year. years
F17. How long ago did you quit?Less than 5 years agoMore than 5 years agoDon't know

Section G: Family Medical History

G1. Do any of your blood relatives - children, parents, or siblings - currently have cancer or have they
had cancer? We are only asking about family members who are blood relatives: children, parents, and
siblings <u>.</u>
Yes
No → go to Question G4
G2. In all, how many family members (not including yourself) have had (or now have) cancer?number
Don't know

G3. Now I'd like to get more information about each of your relatives who had/has cancer. <u>Fill out the table below</u>. Circle appropriate response and ask the respondent to specify as directed. Complete the information for the first relative completely before asking about the next relative. Once information about all blood relatives with cancer has been collected, go to Question G4.

	First relative	Second relative	Third relative	Fourth relative
a. Was this relative a	Child	Child	Child	Child
	Parent	Parent	Parent	Parent
	Sibling	Sibling	Sibling	Sibling
b. What type of cancer				
did this relative have				
c. Is this relative	Living	Living	Living	Living
	Deceased	Deceased	Deceased	Deceased
d. What year was your				
relative diagnosed with				
cancer?	Don't know	Don't know	Don't know	Don't know

G4. Have any of your blood relatives (that is children, parents, or siblings) ever been told by a health professional that they have or had any of the following conditions? <u>Fill out the table below. Circle appropriate response and ask the respondent to specify as directed.</u>

Medio	cal condition		If yes, ask: Which relative had this condition?
a.	Thyroid disease?	s (Please specify)r't know	Child Parent Sibling
b.	Heart Disease? Ye		Child Parent ng

Medio	cal condition			If yes, ask: Which relative had this condition?
c.	Osteoarthritis?	Yes No	(Please specify)	Child Parent
		Dor	't know Sibli	ng
		Yes	(Please specify)	Child
a.	Osteopenia or osteoporosis?	No		Parent
			't know	Sibling
			(Please specify)	Child
b.	Liver disease?	No	24 I	Parent
		Dor	't know Sibli	
		Vec	(Please specify)	Child Parent
c.	Kidney disease?	No	Sibli	
٠.	,		't know	115
		Yes		Child
d.	Ulcerative colitis?	No		Parent
		Dor	't know Sibli	ng
		Yes		Child
e.	Rheumatoid arthritis?	No	21.1	Parent
			't know Sibli	
		Yes		Child
f.	Lupus?	No	24 I	Parent
			't know Sibli	
	Navildada adamada 2	Yes		Child
g.	Multiple sclerosis?	No Don	't know Sibli	Parent
			Type 1 or juvenile	Child
			Type 2 or adult-onset	Parent
h.	Diabetes (not related to pregna			
		No	•	
		Don	't know	
		Yes		Child
i.	Gestationsl diabetes?	No		Parent
		Dor	't know	Sibling
		Yes		Child
j.	Celiac disease?	No	21.1	Parent
			't know Sibli	
l.	Cualanta diagge 2	Yes		Child
k.	Crohn's disease?	No Don	't know Sibli	Parent ng
			Sibil	
l.	Fibromyalgia?	Yes No		Child Parent
	i ibi omyaibia.		't know Sibli	
		Yes		Child
m.	Parkinson disease?	No		Parent
			't know Sibli	
		Yes		Child
n.	Asthma?	No		Parent
		Dor	't know Sibli	ng
		Yes		Child
ο.	High cholesterol?	No		Parent
		Dor	't know	Sibling
p.	Hypertension? (not including	Yes		Child
	pregnancy induced hypertensio	n) No		Parent

Medical condition		If yes, ask: Which relative had this condition?
Dor	't know	Sibling
Yes		Child
q. Pregnancy induced hypertension?No		Parent
Dor	't know	Sibling

Section H: History of Pease PFC Blood Testing Program

H1. Did you participate in the Pease PFC Blood Testing Program? Yes No →go to CONCLUSION. Don't know →go				
H2. Please provide your results (μg/L):				
PFOS	PFDeA	Et-PFOSA-AcOH		
PFOA	PFUA	PFBS		
PFHxS	PFOSA	PFDoA		
PFNA	Me-PFOSA-AcOH	PFHnA		

CONCLUSION: That completes this survey. I would like to sincerely thank you for your time.