

October 5, 2022

Albertson Water District  
PWS ID No. NY2902815  
MCL Deferral for PFOA and PFOS  
Quarterly Report – Third Quarter 2022

## **Introduction**

On behalf of the Albertson Water District (AWD or District), D&B Engineers and Architects (D&B) has prepared this document in accordance with the requirements of the New York State Department of Health (NYSDOH) for public water suppliers who have been granted deferral renewals from maximum contaminant level (MCL) violations for 1,4-dioxane, perfluorooctanoic acid (PFOA), and/or perfluorooctanesulfonic acid (PFOS). The District was granted an MCL deferral renewal for PFOA and PFOS in 2022. The AWD was granted a deferral renewal because it has been proactive in its efforts to establish and implement an action plan for managing the above-referenced compounds.

The enclosed is a report describing the AWD's progress towards maintaining the highest quality of water for our customers and meeting the deadlines set forth in the deferral approval. An updated schedule for these efforts is contained in **Attachment A**.

## **Corrective Action Plan Milestones**

### Granular Activated Carbon (GAC) System at Well 4

As reported during the previous quarters, work was stopped abruptly by the unprecedented issuance of a Stop Work Order by the Town of North Hempstead Building Department. The District initiated litigation seeking relief from the courts on July 20, 2021. Nassau County Supreme Court denied the District's motion for relief to lift the Stop Work Order on June 16, 2022. On June 29, 2022, the District filed for a Building Permit with the Town of North Hempstead. Subsequently, at the Town's request, a Gas Permit, Infrastructure Permit, and Plumbing Permit were filed on July 1, 2022. Following a second request, the District filed for a Drainage Permit and HVAC permit on July 5, 2022. Also, on July 5, 2022, the District filed an appeal with the Second Department Appellate Division regarding the Town's asserted jurisdiction on the project, requesting the lower court's decision be vacated. On July 8, 2022, a Generator Permit and a Road Opening Permit were filed. After a review of the filed documents, updated contractor insurances were requested and filed on August 9, 2022, which resulted in the issuance of a Town Building Permit on August 11, 2022. On August 17, 2022, a meeting was held onsite with the Town Building Inspector, and, because of that meeting, a Fence Permit was required, filed, and subsequently issued on August 23, 2022.

The Albertson Water District has done everything within its power to adhere to the project schedule approved in the original deferral request, as described in the previous quarterly deferral reports including litigation. The full impact of the Town’s unprecedented actions and any supply chain issues and delays remain fully unrealized as work has not yet recommenced and could have not been fully anticipated at the time of the original compliance deferral or the renewal. Construction remains on hold as the Town has not yet issued a Plumbing Permit or Gas Permit. The Town received all of the materials for these permits on July 1, 2022 and insisted upon the Plumbing Contractor have a Town License. The District has been working with its Plumbing Contractor and filed supplemental information on September 21, 2022 in an effort to re-commence construction on the site prior to the onset of winter conditions.

The Albertson Water District’s goal, as always, is to provide an adequate supply of potable water to its consumers and it has done everything in its ability to move forward on the treatment project to further that goal and meet consumer demands. These impacts of the unprecedented actions undertaken by the Town and the supply chain disruptions over the last three years are expected to continue for the foreseeable future and will most likely affect the ability of the Albertson Water District to conform to the project schedule outlined in the deferral request and subsequent deferral renewal. As such, anticipating the on-going conditions of supply chain issues and regulatory delays, additional time consideration past the deferral renewal deadline of April 2023 will most likely be needed to bring the project to a substantially completed status. Well 4 remains in service and, although the District has been granted a deferral renewal, operation of this well to the distribution system has been limited, utilizing this well as the last one to be turned on and the first one to be turned off when demands require. Additionally, it should be noted that no samples obtained throughout the last quarter showed an exceedance of the MCL for PFOA or PFOS.

**Public Notification**

In accordance with the terms of the deferral renewal, the AWD has maintained an open line of communication with the public regarding its deferral. The deferral public notification documentation is still featured prominently on the District website, as are all quarterly reports from 2021 and 2022.

**Analytical Sampling**

Sample results for Well 4 taken during the third quarter of 2022 are contained in the tables below. Full laboratory reports for each sample are contained in **Attachment B**.

**PFOA (parts per trillion, ppt)**

Well	Date		
	07/05/2022	08/02/2022	09/01/2022
Well 4 (N-05947)	8.2	8.7	7.8

**PFOS (parts per trillion, ppt)**

Well	Date		
	07/05/2022	08/02/2022	09/01/2022
Well 4 (N-05947)	7.1	7.9	7.3

**Conclusion**

As demonstrated above, the Albertson Water District is actively working to preserve the quality of water for its customers and comply with the requirements put forth by the NYSDOH. The District looks forward to continuing to work towards completion of its treatment facilities.

Should you have any questions, please contact the District at 516-621-3610 or visit the website, [www.albertsonwater.org](http://www.albertsonwater.org).

Very truly yours,

Board of Commissioners  
Albertson Water District

Enclosures

cc: K. Wheeler (NYSDOH)  
B. Rogers (NYSDOH)  
W. Provoncha (NCDH)  
P. Young (NCDH)  
R. Putnam (NCDH)  
R. Henriksen (AWD)  
J. Rotolo (AWD)  
B. Merklin (D&B)  
L. Ortiz (D&B)  
P. Connell (D&B)

**ATTACHMENT A**

**Project Schedule Associated with MCL Deferral**

Task Name	2022				2023				
	Qtr 1	Qtr 2	Qtr 3	Qtr 4	Qtr 1	Qtr 2	Qtr 3	Qtr 4	
Basis of Design Report (Complete)									
Detailed Design (Complete)									
NCDH & NYSDOH Review of Contract Documents (Complete)									
Construction (Delayed Due to Stop Work Order)									
Stop Work Order Issued by TONH (06/21/2021)									
Stop Work Order (Upheld During Permitting)	████████████████████								
Court Decision (06/22/2022)					◆ 6/16				
Building Permit (Issued 08/11/2022); Plumbing Permit (Estimated Issuance 09/30/2022)					██████████				
Court Decision Appeal (Estimated Decision 10/15/2022)					██████████				
Remobilization / Change Order Negotiation					██████				
Construction Resumes					██				
Start-up and Testing								██████	

**ATTACHMENT B**

**Water Quality Data**



575 Broad Hollow Road, Melville, NY 11747  
 TEL: (631) 694-3040 FAX: (631) 420-8436  
[www.pacelabs.com](http://www.pacelabs.com)

# Laboratory Results

Results for the samples and analytes requested  
 The lab is not directly responsible for the integrity of the sample before receipt at the lab and is responsible only for the certified tests

## Sample Information:

Type: Drinking Water  
 Origin: Raw Well  
 Routine

**Albertson Water District**  
**184 Shepherd Lane**  
**Roslyn Heights, NY 11577**

**Lab No. : 70220889003**  
**Client Sample ID.: N-05947**

Attn To : John Rotolo

Federal ID : 2902815

Collected : 07/05/2022 01:35 PM Point N-05947

Received : 07/05/2022 03:00 PM Location Well #4

Collected By CLIENT

Analytical Method: EPA 533		Prep Method: EPA 533			Prep Date: 07/28/2022 1:15 PM		
Parameter(s)	Results	Qualifier	D.F.	Units	Limit	Analyzed:	Container:
11CI-PF3OUdS	<1.9		1	ng/L		07/29/2022 6:42 PM	003 BP351/2
4:2 FTS	<1.9		1	ng/L		07/29/2022 6:42 PM	003 BP351/2
6:2 FTS	<3.8		1	ng/L		07/29/2022 6:42 PM	003 BP351/2
8:2 FTS	<1.9		1	ng/L		07/29/2022 6:42 PM	003 BP351/2
9CI-PF3ONS	<1.9		1	ng/L		07/29/2022 6:42 PM	003 BP351/2
ADONA	<1.9		1	ng/L		07/29/2022 6:42 PM	003 BP351/2
HFPO-DA	<1.9		1	ng/L		07/29/2022 6:42 PM	003 BP351/2
NFDHA	<1.9		1	ng/L		07/29/2022 6:42 PM	003 BP351/2
PFBA	2.9		1	ng/L		07/29/2022 6:42 PM	003 BP351/2
PFEESA	<1.9		1	ng/L		07/29/2022 6:42 PM	003 BP351/2
PFHpS	<1.9		1	ng/L		07/29/2022 6:42 PM	003 BP351/2
PFMBA	<1.9		1	ng/L		07/29/2022 6:42 PM	003 BP351/2
PFMPA	<1.9		1	ng/L		07/29/2022 6:42 PM	003 BP351/2
PFPeA	4.2		1	ng/L		07/29/2022 6:42 PM	003 BP351/2
PFPeS	<1.9		1	ng/L		07/29/2022 6:42 PM	003 BP351/2
Perfluorobutanesulfonic acid	<1.9		1	ng/L		07/29/2022 6:42 PM	003 BP351/2
Perfluorodecanoic acid	<1.9		1	ng/L		07/29/2022 6:42 PM	003 BP351/2
Perfluorododecanoic acid	<1.9		1	ng/L		07/29/2022 6:42 PM	003 BP351/2
Perfluoroheptanoic acid	2.9		1	ng/L		07/29/2022 6:42 PM	003 BP351/2
Perfluorohexanesulfonic acid	2.9		1	ng/L		07/29/2022 6:42 PM	003 BP351/2
Perfluorohexanoic acid	3.7		1	ng/L		07/29/2022 6:42 PM	003 BP351/2
Perfluorononanoic acid	4.6		1	ng/L		07/29/2022 6:42 PM	003 BP351/2
Perfluorooctanesulfonic acid	7.1		1	ng/L	10	07/29/2022 6:42 PM	003 BP351/2
Perfluorooctanoic acid	8.2		1	ng/L	10	07/29/2022 6:42 PM	003 BP351/2
Perfluoroundecanoic acid	<1.9		1	ng/L		07/29/2022 6:42 PM	003 BP351/2
Surr: 13C2-PFDoA (S)	77%		1	%REC		07/29/2022 6:42 PM	003 BP351/2
Surr: 13C24:2FTS (S)	118%		1	%REC		07/29/2022 6:42 PM	003 BP351/2
Surr: 13C26:2FTS (S)	98%		1	%REC		07/29/2022 6:42 PM	003 BP351/2
Surr: 13C28:2FTS (S)	97%		1	%REC		07/29/2022 6:42 PM	003 BP351/2
Surr: 13C3-PFBS (S)	112%		1	%REC		07/29/2022 6:42 PM	003 BP351/2
Surr: 13C3-PFHxS (S)	95%		1	%REC		07/29/2022 6:42 PM	003 BP351/2
Surr: 13C3HFPO-DA(S)	93%		1	%REC		07/29/2022 6:42 PM	003 BP351/2
Surr: 13C4-PFBA (S)	91%		1	%REC		07/29/2022 6:42 PM	003 BP351/2
Surr: 13C4-PFHpA (S)	94%		1	%REC		07/29/2022 6:42 PM	003 BP351/2
Surr: 13C5-PFHxA (S)	104%		1	%REC		07/29/2022 6:42 PM	003 BP351/2
Surr: 13C5-PFPeA (S)	107%		1	%REC		07/29/2022 6:42 PM	003 BP351/2
Surr: 13C6-PFDA (S)	84%		1	%REC		07/29/2022 6:42 PM	003 BP351/2
Surr: 13C7-PFUdA (S)	81%		1	%REC		07/29/2022 6:42 PM	003 BP351/2
Surr: 13C8-PFOA (S)	90%		1	%REC		07/29/2022 6:42 PM	003 BP351/2
Surr: 13C8-PFOS (S)	104%		1	%REC		07/29/2022 6:42 PM	003 BP351/2

**Qualifiers:**

DF - Dilution Factor, if reported, represents the factor applied to the reported data due to changes in sample preparation, dilution of the sample aliquot, or moisture content.

ND - Not Detected at or above adjusted reporting limit.

J - Estimated concentration above the adjusted method detection limit and below the adjusted reporting limit. Estimated value - below calibration range

U - Indicates the compound was analyzed for, but not detected

Jennifer Aracri

Test results meet the requirements of NELAC unless otherwise noted.

This report shall not be reproduced except in full, without the written approval of the laboratory.

Result(s) reported meet(s) NYS Regulatory Limit(s).  
 Result(s) flagged with \* Exceed NYS Regulatory Limit(s). Limit Noted.

Date Reported: 08/01/2022



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Type: Drinking Water  
 Origin: Raw Well  
 Routine

**Albertson Water District**  
**184 Shepherd Lane**  
**Roslyn Heights, NY 11577**

**Lab No. : 70220889003**  
**Client Sample ID.: N-05947**

**Attn To :** John Rotolo  
 Federal ID : 2902815  
 Collected : 07/05/2022 01:35 PM Point N-05947  
 Received : 07/05/2022 03:00 PM Location Well #4  
 Collected By CLIENT

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Surr: 13C9-PFNA (S) 91% 1 %REC 07/29/2022 6:42 PM 003 BP351/2

Qualifiers:

DF - Dilution Factor, if reported, represents the factor applied to the reported data due to changes in sample preparation, dilution of the sample aliquot, or moisture content.  
 ND - Not Detected at or above adjusted reporting limit.  
 J - Estimated concentration above the adjusted method detection limit and below the adjusted reporting limit. Estimated value - below calibration range  
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Jennifer Aracri

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**WorkOrder :**

70220889

## Laboratory Certifications

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**Pace Analytical Services Ormond Beach**

8 East Tower Circle, Ormond Beach, FL 32174  
Alaska DEC- CS/UST/LUST  
Alabama Certification #: 41320  
Colorado Certification: FL NELAC Reciprocity  
Connecticut Certification #: PH-0216  
Delaware Certification: FL NELAC Reciprocity  
Florida Certification #: E83079  
Georgia Certification #: 955  
Guam Certification: FL NELAC Reciprocity  
Hawaii Certification: FL NELAC Reciprocity  
Illinois Certification #: 200068  
Indiana Certification: FL NELAC Reciprocity  
Kansas Certification #: E-10383  
Kentucky Certification #: 90050  
Louisiana Certification #: FL NELAC Reciprocity  
Louisiana Environmental Certificate #: 05007  
Maine Certification #: FL01264  
Maryland Certification: #346  
Massachusetts Certification #: M-FL1264  
Michigan Certification #: 9911  
Mississippi Certification: FL NELAC Reciprocity  
Missouri Certification #: 236  
Montana Certification #: Cert 0074  
Nebraska Certification: NE-OS-28-14  
New Hampshire Certification #: 2958  
New Jersey Certification #: FL022  
New York Certification #: 11608  
North Carolina Environmental Certificate #: 667  
North Carolina Certification #: 12710  
North Dakota Certification #: R-216  
Ohio DEP 87780  
Oklahoma Certification #: D9947  
Pennsylvania Certification #: 68-00547  
Puerto Rico Certification #: FL01264  
South Carolina Certification: #96042001  
Tennessee Certification #: TN02974  
Texas Certification: FL NELAC Reciprocity  
US Virgin Islands Certification: FL NELAC Reciprocity  
Virginia Environmental Certification #: 460165  
West Virginia Certification #: 9962C  
Wisconsin Certification #: 399079670  
Wyoming (EPA Region 8): FL NELAC Reciprocity

WO#: 70220889



70220889

47

# Sample Request Form PUBLIC WATER SUPPLIER

Date: 7-5-22

Collected By: Ken Podlask

Accepted By: [Signature]

Cooler Temp: 4.0 °C  
(W) 7/5/22 15:00

WELL OFF LINE \_\_\_\_\_

WELL RUN TO SYSTEM \_\_\_\_\_

YES  NO VOC'S PRESERVED WITH HCl

**Client Info:**

Name or Code: ALBERTSON WATER DIST

Address: 184 Shepherd LA

Roslyn HTS NY 11527

Phone #: 516 621-3610

Attn: Batch

Proj. # or (Name): \_\_\_\_\_

Bill To: \_\_\_\_\_

Copies To: \_\_\_\_\_

**Sample Types**

- PW - Potable Water
- GW - Groundwater
- SW - Surface Water
- WW - Waste Water
- AQ - Aqueous
- S - Soil

**Purpose**

- RO - Routine
- RE - Resample
- S - Special

**Origin**

- D - Distribution
- RW - Raw Well
- TW - Treated Well
- T - Tank
- MW - Monitoring Well
- I - Influent
- E - Effluent

**Treatment Types**

- AST - Air Stripper
- GAC - Granular Activated Charcoal
- N - Nitrate Removal Plant
- FE - Iron Removal Plant
- O - Other

**Sample Info:**

Page 14 of 15

Date/Time Collected:	Sample Type	Location	Origin	Treatment Type	Purpose	Field Readings Cl <sub>2</sub> pH/Temp	Analysis	Lab No.
7-5-22 1:00pm	PW	well 1 RAW N 03732	PW	-	RO	6.4	PFOA/PFOS 533	
7-5-22 1:00pm	PW	well 1 RAW N 03732					PFOA/PFOS 533 field blank	
7-5-22 1:35pm	PW	well 4 RAW N 05947	RW	-	RO	6.4	PFOA/PFOS 533	
7-5-22 1:35pm	PW	well 4 RAW N 05947					PFOA/PFOS 533 field blank	
7-5-22 2:00pm	PW	well 3A RAW N 14146	PW	-	RO	6.3	PFOA/PFOS 533	
7-5-22 2:00pm	PW	well 3A RAW N 14146					PFOA/PFOS 533 field blank	

Remarks:

\_\_\_\_\_

Courier:  Fed Ex  UPS  USPS  Client  Commercial  Pace  Other

Tracking #: \_\_\_\_\_

Custody Seal on Cooler/Box Present:  Yes  No Seals intact:  Yes  No

Packing Material:  Bubble Wrap  Bubble Bags  Ziploc  None  Other

Thermometer Used: TH094 TB148 Correction Factor: +1.2  
Cooler Temperature (°C): 4.0 Cooler Temperature Corrected (°C): 4.1

Temperature Blank Present:  Yes  No

Type of Ice:  Wet  Blue  None

Samples on ice, cooling process has begun  
Date/Time 5035A kits placed in freezer \_\_\_\_\_

Temp should be above freezing to 6.0°C

USDA Regulated Soil (  N/A, water sample)

Date and Initials of person examining contents: A.S 7/5

Did samples originate in a quarantine zone within the United States: AL, AR, CA, FL, GA, ID, LA, MS, NC, NM, NY, OK, OR, SC, TN, TX, or VA (check map)?  Yes  No

Did samples originate from a foreign source including Hawaii and Puerto Rico?  Yes  No

If Yes to either question, fill out a Regulated Soil Checklist (F-LI-C-010) and include with SCUR/COC paperwork.

		COMMENTS:
Chain of Custody Present:	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	1.
Chain of Custody Filled Out:	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	2.
Chain of Custody Relinquished:	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	3.
Sampler Name & Signature on COC:	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	4.
Samples Arrived within Hold Time:	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	5.
Short Hold Time Analysis (<72hr):	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	6.
Rush Turn Around Time Requested:	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	7.
Sufficient Volume: (Triple volume provided for ICP)	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	8.
Correct Containers Used:	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	9.
-Pace Containers Used:	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	
Containers Intact:	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	10.
Filtered volume received for Dissolved tests	<input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> N/A	11. Note if sediment is visible in the dissolved container.
Sample Labels match COC:	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	12.
-Includes date/time/ID, Matrix: <u>SL WT DIL</u>		
All containers needing preservation have been checked? pH paper Lot # All containers needing preservation are found to be in compliance with method recommendation? (HNO <sub>3</sub> , H <sub>2</sub> SO <sub>4</sub> , HCl, NaOH>9 Sulfide, NaOH>12 Cyanide) Exceptions: VOA, Coliform, TOC/DOC, Oil and Grease, DRO/8015 (water). Per Method, VOA pH is checked after analysis	<input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> N/A	13. <input type="checkbox"/> HNO <sub>3</sub> <input type="checkbox"/> H <sub>2</sub> SO <sub>4</sub> <input type="checkbox"/> NaOH <input type="checkbox"/> HCl  Sample #  Initial when completed: _____ Lot # of added preservative: _____ Date/Time preservative added: _____
Samples checked for dechlorination: KI starch test strips Lot # Residual chlorine strips Lot #	<input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> N/A	14. Positive for Res. Chlorine? Y N
SM 4500 CN samples checked for sulfide? Lead Acetate Strips Lot #	<input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> N/A	15. Positive for Sulfide? Y N
Headspace in VOA Vials (>6mm):	<input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> N/A	16.
Trip Blank Present: Trip Blank Custody Seals Present Pace Trip Blank Lot # (if applicable): _____	<input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> N/A	17.

Client Notification/ Resolution: \_\_\_\_\_

Field Data Required? Y / N

Person Contacted: \_\_\_\_\_

Date/Time: \_\_\_\_\_

Comments/ Resolution: \_\_\_\_\_

\* PM (Project Manager) review is documented electronically in LIMS.



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 Routine

**Albertson Water District**  
**184 Shepherd Lane**  
**Roslyn Heights, NY 11577**

**Lab No. : 70224097001**  
**Client Sample ID.: N-05947**

**Attn To :** John Rotolo  
 Federal ID : 2902815  
 Collected : 08/02/2022 09:15 AM Point N-05947  
 Received : 08/02/2022 11:10 AM Location Well #4  
 Collected By CLIENT

Analytical Method: EPA 533		Prep Method: EPA 533			Prep Date: 08/29/2022 12:02		
Parameter(s)	Results	Qualifier	D.F.	Units	Limit	Analyzed:	Container:
11CI-PF3OUdS	<1.9		1	ng/L		09/03/2022 5:13 PM	001 BP351/2
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PFHpS	<1.9		1	ng/L		09/03/2022 5:13 PM	001 BP351/2
PFMBA	<1.9		1	ng/L		09/03/2022 5:13 PM	001 BP351/2
PFMPA	<1.9		1	ng/L		09/03/2022 5:13 PM	001 BP351/2
PFPeA	5.0		1	ng/L		09/03/2022 5:13 PM	001 BP351/2
PFPeS	<1.9		1	ng/L		09/03/2022 5:13 PM	001 BP351/2
Perfluorobutanesulfonic acid	<1.9		1	ng/L		09/03/2022 5:13 PM	001 BP351/2
Perfluorodecanoic acid	<1.9		1	ng/L		09/03/2022 5:13 PM	001 BP351/2
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Perfluoroheptanoic acid	3.1		1	ng/L		09/03/2022 5:13 PM	001 BP351/2
Perfluorohexanesulfonic acid	2.9		1	ng/L		09/03/2022 5:13 PM	001 BP351/2
Perfluorohexanoic acid	3.9		1	ng/L		09/03/2022 5:13 PM	001 BP351/2
Perfluorononanoic acid	5.6		1	ng/L		09/03/2022 5:13 PM	001 BP351/2
Perfluorooctanesulfonic acid	7.9		1	ng/L	10	09/03/2022 5:13 PM	001 BP351/2
Perfluorooctanoic acid	8.7		1	ng/L	10	09/03/2022 5:13 PM	001 BP351/2
Perfluoroundecanoic acid	<1.9		1	ng/L		09/03/2022 5:13 PM	001 BP351/2
Surr: 13C2-PFDoA (S)	42%	S0	1	%REC		09/03/2022 5:13 PM	001 BP351/2
Surr: 13C24:2FTS (S)	70%		1	%REC		09/03/2022 5:13 PM	001 BP351/2
Surr: 13C26:2FTS (S)	79%		1	%REC		09/03/2022 5:13 PM	001 BP351/2
Surr: 13C28:2FTS (S)	89%		1	%REC		09/03/2022 5:13 PM	001 BP351/2
Surr: 13C3-PFBS (S)	98%		1	%REC		09/03/2022 5:13 PM	001 BP351/2
Surr: 13C3-PFHxS (S)	85%		1	%REC		09/03/2022 5:13 PM	001 BP351/2
Surr: 13C3HFPO-DA(S)	58%		1	%REC		09/03/2022 5:13 PM	001 BP351/2
Surr: 13C4-PFBA (S)	69%		1	%REC		09/03/2022 5:13 PM	001 BP351/2
Surr: 13C4-PFHpA (S)	52%		1	%REC		09/03/2022 5:13 PM	001 BP351/2
Surr: 13C5-PFHxA (S)	61%		1	%REC		09/03/2022 5:13 PM	001 BP351/2
Surr: 13C5-PFPeA (S)	70%		1	%REC		09/03/2022 5:13 PM	001 BP351/2
Surr: 13C6-PFDA (S)	35%	S0	1	%REC		09/03/2022 5:13 PM	001 BP351/2
Surr: 13C7-PFUdA (S)	37%	S0	1	%REC		09/03/2022 5:13 PM	001 BP351/2
Surr: 13C8-PFOA (S)	47%	S0	1	%REC		09/03/2022 5:13 PM	001 BP351/2
Surr: 13C8-PFOS (S)	91%		1	%REC		09/03/2022 5:13 PM	001 BP351/2

**Qualifiers:**

DF - Dilution Factor, if reported, represents the factor applied to the reported data due to changes in sample preparation, dilution of the sample aliquot, or moisture content.  
 ND - Not Detected at or above adjusted reporting limit.  
 J - Estimated concentration above the adjusted method detection limit and below the adjusted reporting limit. Estimated value - below calibration range  
 U - Indicates the compound was analyzed for, but not detected

Jennifer Aracri

Test results meet the requirements of NELAC unless otherwise noted.

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Result(s) reported meet(s) NYS Regulatory Limit(s).  
 Result(s) flagged with \* Exceed NYS Regulatory Limit(s). Limit Noted.

Date Reported: 09/06/2022



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# Laboratory Results

Results for the samples and analytes requested  
 The lab is not directly responsible for the integrity of the sample before receipt at the lab and is responsible only for the certified tests

**Sample Information:**

Type: Drinking Water  
 Origin: Raw Well  
 Routine

**Albertson Water District**  
**184 Shepherd Lane**  
**Roslyn Heights, NY 11577**

**Lab No. : 70224097001**  
**Client Sample ID.: N-05947**

**Attn To :** John Rotolo  
 Federal ID : 2902815  
 Collected : 08/02/2022 09:15 AM Point N-05947  
 Received : 08/02/2022 11:10 AM Location Well #4  
 Collected By CLIENT

---

Surr: 13C9-PFNA (S) 41% S0 1 %REC 09/03/2022 5:13 PM 001 BP351/2

Qualifiers:

DF - Dilution Factor, if reported, represents the factor applied to the reported data due to changes in sample preparation, dilution of the sample aliquot, or moisture content.  
 ND - Not Detected at or above adjusted reporting limit.  
 J - Estimated concentration above the adjusted method detection limit and below the adjusted reporting limit. Estimated value - below calibration range  
 U - Indicates the compound was analyzed for, but not detected

Jennifer Aracri

Test results meet the requirements of NELAC unless otherwise noted.

This report shall not be reproduced except in full, without the written approval of the laboratory.

Result(s) reported meet(s) NYS Regulatory Limit(s).  
 Result(s) flagged with \* Exceed NYS Regulatory Limit(s). Limit Noted.

Date Reported: 09/06/2022





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**WorkOrder :**  
70224097

## Laboratory Certifications

---

### **Pace Analytical Services Ormond Beach**

8 East Tower Circle, Ormond Beach, FL 32174  
Alaska DEC- CS/UST/LUST  
Alabama Certification #: 41320  
Colorado Certification: FL NELAC Reciprocity  
Connecticut Certification #: PH-0216  
Delaware Certification: FL NELAC Reciprocity  
Florida Certification #: E83079  
Georgia Certification #: 955  
Guam Certification: FL NELAC Reciprocity  
Hawaii Certification: FL NELAC Reciprocity  
Illinois Certification #: 200068  
Indiana Certification: FL NELAC Reciprocity  
Kansas Certification #: E-10383  
Kentucky Certification #: 90050  
Louisiana Certification #: FL NELAC Reciprocity  
Louisiana Environmental Certificate #: 05007  
Maine Certification #: FL01264  
Maryland Certification: #346  
Massachusetts Certification #: M-FL1264  
Michigan Certification #: 9911  
Mississippi Certification: FL NELAC Reciprocity  
Missouri Certification #: 236  
Montana Certification #: Cert 0074  
Nebraska Certification: NE-OS-28-14  
New Hampshire Certification #: 2958  
New Jersey Certification #: FL022  
New York Certification #: 11608  
North Carolina Environmental Certificate #: 667  
North Carolina Certification #: 12710  
North Dakota Certification #: R-216  
Ohio DEP 87780  
Oklahoma Certification #: D9947  
Pennsylvania Certification #: 68-00547  
Puerto Rico Certification #: FL01264  
South Carolina Certification: #96042001  
Tennessee Certification #: TN02974  
Texas Certification: FL NELAC Reciprocity  
US Virgin Islands Certification: FL NELAC Reciprocity  
Virginia Environmental Certification #: 460165  
West Virginia Certification #: 9962C  
Wisconsin Certification #: 399079670  
Wyoming (EPA Region 8): FL NELAC Reciprocity









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Sample Condition Upon Receipt

WO#: 70224097

Client Name: Albersten WP

Project

PM: JSA

Due Date: 08/16/22

CLIENT: AWD

Courier:  Fed Ex  UPS  USPS  Client  Commercial  Pace  Other

Tracking #:

Custody Seal on Cooler/Box Present:  Yes  No Seals intact:  Yes  No  N/A

Packing Material:  Bubble Wrap  Bubble Bags  Ziploc  None  Other

Thermometer Used: ~~TH091~~ TH148 Correction Factor: + 0.1

Cooler Temperature(°C): 1.3 Cooler Temperature Corrected(°C): 1.4

Temp should be above freezing to 6.0°C

USDA Regulated Soil {  N/A, water sample }

Date and Initials of person examining contents: AM 8/2 1110

Did samples originate in a quarantine zone within the United States: AL, AR, CA, FL, GA, ID, LA, MS, NC, NM, NY, OK, OR, SC, TN, TX, or VA (check map)?  Yes  No

Did samples originate from a foreign source including Hawaii and Puerto Rico)?  Yes  No

If Yes to either question, fill out a Regulated Soil Checklist (F-LI-C-010) and include with SCUR/COC paperwork.

		COMMENTS:
Chain of Custody Present:	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	1.
Chain of Custody Filled Out:	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	2.
Chain of Custody Relinquished:	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	3.
Sampler Name & Signature on COC:	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	4.
Samples Arrived within Hold Time:	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	5.
Short Hold Time Analysis (<72hr):	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	6.
Rush Turn Around Time Requested:	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	7.
Sufficient Volume: (Triple volume provided for I)	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	8.
Correct Containers Used:	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	9.
-Pace Containers Used:	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	
Containers Intact:	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	10.
Filtered volume received for Dissolved tests	<input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> N/A	11. Note if sediment is visible in the dissolved container.
Sample Labels match COC:	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	12.
-Includes date/time/ID; Matrix: <u>SL (W) OIL</u>		
All containers needing preservation have been checked?	<input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> N/A	13. <input type="checkbox"/> HNO <sub>3</sub> <input type="checkbox"/> H <sub>2</sub> SO <sub>4</sub> <input type="checkbox"/> NaOH <input type="checkbox"/> HCl
pH paper Lot #		Sample #
All containers needing preservation are found to be in compliance with method recommendation? (HNO <sub>3</sub> , H <sub>2</sub> SO <sub>4</sub> , HCl, NaOH>9 Sulfide, NAOH>12 Cyanide)	<input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> N/A	
Exceptions: VOA, Coliform, TOC/DOC, Oil and Grease, DRO/8015 (water). Per Method, VOA pH is checked after analysis		Initial when completed: Lot # of added preservative: Date/Time preservative added:
Samples checked for dechlorination: KI starch test strips Lot # Residual chlorine strips Lot #	<input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> N/A	14. Positive for Res. Chlorine? Y N
SM 4500 CN samples checked for sulfide? Lead Acetate Strips Lot #	<input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> N/A	15. Positive for Sulfide? Y N
Headspace in VOA Vials (>6mm):	<input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> N/A	16.
Trip Blank Present: Trip Blank Custody Seals Present Pace Trip Blank Lot # (if applicable):	<input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> N/A	17.

Client Notification/ Resolution:

Field Data Required? Y / N

Person Contacted:

Date/Time:

Comments/ Resolution:

vi  
533



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# Laboratory Results

Results for the samples and analytes requested  
 The lab is not directly responsible for the integrity of the sample before receipt at the lab and is responsible only for the certified tests

## Sample Information:

Type: Drinking Water  
 Origin: Treated Well  
 Routine

## Treatment

Air Stripper

**Albertson Water District**  
**184 Shepherd Lane**  
**Roslyn Heights, NY 11577**

**Lab No. : 70228035001**  
**Client Sample ID.: N-05947**

Attn To : John Rotolo

Federal ID : 2902815

Collected : 09/01/2022 10:30 AM Point AS-05947  
 Received : 09/01/2022 11:30 AM Location WELL 4 AIRSTRIPPER  
 Collected By CLIENT

Analytical Method: EPA 533		Prep Method: EPA 533			Prep Date: 09/22/2022 5:05 PM		
Parameter(s)	Results	Qualifier	D.F.	Units	Limit	Analyzed:	Container:
11CI-PF3OUdS	<1.9		1	ng/L		09/25/2022 9:35 PM	001 BP351/2
4:2 FTS	<1.9		1	ng/L		09/25/2022 9:35 PM	001 BP351/2
6:2 FTS	<3.8		1	ng/L		09/25/2022 9:35 PM	001 BP351/2
8:2 FTS	<1.9		1	ng/L		09/25/2022 9:35 PM	001 BP351/2
9CI-PF3ONS	<1.9		1	ng/L		09/25/2022 9:35 PM	001 BP351/2
ADONA	<1.9		1	ng/L		09/25/2022 9:35 PM	001 BP351/2
HFPO-DA	<1.9		1	ng/L		09/25/2022 9:35 PM	001 BP351/2
NFDHA	<1.9		1	ng/L		09/25/2022 9:35 PM	001 BP351/2
PFBA	3.0		1	ng/L		09/25/2022 9:35 PM	001 BP351/2
PFEESA	<1.9		1	ng/L		09/25/2022 9:35 PM	001 BP351/2
PFHpS	<1.9		1	ng/L		09/25/2022 9:35 PM	001 BP351/2
PFMBA	<1.9		1	ng/L		09/25/2022 9:35 PM	001 BP351/2
PFMPA	<1.9		1	ng/L		09/25/2022 9:35 PM	001 BP351/2
PFPeA	4.3		1	ng/L		09/25/2022 9:35 PM	001 BP351/2
PFPeS	<1.9		1	ng/L		09/25/2022 9:35 PM	001 BP351/2
Perfluorobutanesulfonic acid	<1.9		1	ng/L		09/25/2022 9:35 PM	001 BP351/2
Perfluorodecanoic acid	<1.9		1	ng/L		09/25/2022 9:35 PM	001 BP351/2
Perfluorododecanoic acid	<1.9		1	ng/L		09/25/2022 9:35 PM	001 BP351/2
Perfluoroheptanoic acid	3.0		1	ng/L		09/25/2022 9:35 PM	001 BP351/2
Perfluorohexanesulfonic acid	2.9		1	ng/L		09/25/2022 9:35 PM	001 BP351/2
Perfluorohexanoic acid	3.6		1	ng/L		09/25/2022 9:35 PM	001 BP351/2
Perfluorononanoic acid	4.5		1	ng/L		09/25/2022 9:35 PM	001 BP351/2
Perfluorooctanesulfonic acid	7.3		1	ng/L	10	09/25/2022 9:35 PM	001 BP351/2
Perfluorooctanoic acid	7.8		1	ng/L	10	09/25/2022 9:35 PM	001 BP351/2
Perfluoroundecanoic acid	<1.9		1	ng/L		09/25/2022 9:35 PM	001 BP351/2
Surr: 13C2-PFDoA (S)	77%		1	%REC		09/25/2022 9:35 PM	001 BP351/2
Surr: 13C24:2FTS (S)	79%		1	%REC		09/25/2022 9:35 PM	001 BP351/2
Surr: 13C26:2FTS (S)	78%		1	%REC		09/25/2022 9:35 PM	001 BP351/2
Surr: 13C28:2FTS (S)	84%		1	%REC		09/25/2022 9:35 PM	001 BP351/2
Surr: 13C3-PFBS (S)	118%		1	%REC		09/25/2022 9:35 PM	001 BP351/2
Surr: 13C3-PFHxS (S)	109%		1	%REC		09/25/2022 9:35 PM	001 BP351/2
Surr: 13C3HFPO-DA(S)	102%		1	%REC		09/25/2022 9:35 PM	001 BP351/2
Surr: 13C4-PFHpA (S)	96%		1	%REC		09/25/2022 9:35 PM	001 BP351/2
Surr: 13C5-PFHxA (S)	104%		1	%REC		09/25/2022 9:35 PM	001 BP351/2
Surr: 13C5-PFPeA (S)	111%		1	%REC		09/25/2022 9:35 PM	001 BP351/2
Surr: 13C6-PFDA (S)	84%		1	%REC		09/25/2022 9:35 PM	001 BP351/2
Surr: 13C7-PFUdA (S)	82%		1	%REC		09/25/2022 9:35 PM	001 BP351/2
Surr: 13C8-PFOA (S)	91%		1	%REC		09/25/2022 9:35 PM	001 BP351/2
Surr: 13C8-PFOS (S)	103%		1	%REC		09/25/2022 9:35 PM	001 BP351/2
Surr: 13C9-PFNA (S)	90%		1	%REC		09/25/2022 9:35 PM	001 BP351/2

### Qualifiers:

DF - Dilution Factor, if reported, represents the factor applied to the reported data due to changes in sample preparation, dilution of the sample aliquot, or moisture content.  
 ND - Not Detected at or above adjusted reporting limit.  
 J - Estimated concentration above the adjusted method detection limit and below the adjusted reporting limit. Estimated value - below calibration range  
 U - Indicates the compound was analyzed for, but not detected

Jennifer Aracri

Test results meet the requirements of NELAC unless otherwise noted.

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Result(s) reported meet(s) NYS Regulatory Limit(s).  
 Result(s) flagged with \* Exceed NYS Regulatory Limit(s). Limit Noted.

Date Reported: 09/27/2022



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**WorkOrder :**

70228035

## Laboratory Certifications

---

**Pace Analytical Services Ormond Beach**

8 East Tower Circle, Ormond Beach, FL 32174  
Alaska DEC- CS/UST/LUST  
Alabama Certification #: 41320  
Colorado Certification: FL NELAC Reciprocity  
Connecticut Certification #: PH-0216  
Delaware Certification: FL NELAC Reciprocity  
Florida Certification #: E83079  
Georgia Certification #: 955  
Guam Certification: FL NELAC Reciprocity  
Hawaii Certification: FL NELAC Reciprocity  
Illinois Certification #: 200068  
Indiana Certification: FL NELAC Reciprocity  
Kansas Certification #: E-10383  
Kentucky Certification #: 90050  
Louisiana Certification #: FL NELAC Reciprocity  
Louisiana Environmental Certificate #: 05007  
Maine Certification #: FL01264  
Maryland Certification: #346  
Massachusetts Certification #: M-FL1264  
Michigan Certification #: 9911  
Mississippi Certification: FL NELAC Reciprocity  
Missouri Certification #: 236  
Montana Certification #: Cert 0074  
Nebraska Certification: NE-OS-28-14  
New Hampshire Certification #: 2958  
New Jersey Certification #: FL022  
New York Certification #: 11608  
North Carolina Environmental Certificate #: 667  
North Carolina Certification #: 12710  
North Dakota Certification #: R-216  
Ohio DEP 87780  
Oklahoma Certification #: D9947  
Pennsylvania Certification #: 68-00547  
Puerto Rico Certification #: FL01264  
South Carolina Certification: #96042001  
Tennessee Certification #: TN02974  
Texas Certification: FL NELAC Reciprocity  
US Virgin Islands Certification: FL NELAC Reciprocity  
Virginia Environmental Certification #: 460165  
West Virginia Certification #: 9962C  
Wisconsin Certification #: 399079670  
Wyoming (EPA Region 8): FL NELAC Reciprocity







Sample Condition Upon Receipt

**WO#: 70228035**

Client Name: \_\_\_\_\_

Project: \_\_\_\_\_

PM: JSA

Due Date: 09/16/22

CLIENT: AWD

Courier:  Fed Ex  UPS  USPS  Client  Commercial  Pace  Other

Tracking #: \_\_\_\_\_

Custody Seal on Cooler/Box Present:  Yes  No Seals intact:  Yes  No  N/A

Temperature Blank Present:  Yes  No

Packing Material:  Bubble Wrap  Bubble Bags  Ziploc  None  Other

Type of Ice:  Wet  Blue  None

Thermometer Used: TH091 Correction Factor: + 0.1

Samples on ice, cooling process has begun

Cooler Temperature(°C): 0.2 Cooler Temperature Corrected(°C): 0.3

Date/Time 5035A kits placed in freezer \_\_\_\_\_

Temp should be above freezing to 6.0°C

USDA Regulated Soil (  N/A, water sample)

Date and Initials of person examining contents: SAR 9/11

Did samples originate in a quarantine zone within the United States: AL, AR, CA, FL, GA, ID, LA, MS, NC, NM, NY, OK, OR, SC, TN, TX, or VA (check map)?  Yes  No

Did samples originate from a foreign source including Hawaii and Puerto Rico)?  Yes  No

If Yes to either question, fill out a Regulated Soil Checklist (F-LI-C-010) and include with SCUR/COC paperwork.

		COMMENTS:
Chain of Custody Present:	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	1.
Chain of Custody Filled Out:	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	2.
Chain of Custody Relinquished:	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	3.
Sampler Name & Signature on COC:	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	4.
Samples Arrived within Hold Time:	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	5.
Short Hold Time Analysis (<72hr):	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	6.
Rush Turn Around Time Requested:	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	7.
Sufficient Volume: (Triple volume provided for I)	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	8.
Correct Containers Used:	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	9.
-Pace Containers Used:	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	
Containers Intact:	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	10.
Filtered volume received for Dissolved tests	<input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> N/A	11. Note if sediment is visible in the dissolved container.
Sample Labels match COC:	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	12.
-Includes date/time/ID, Matrix: SL WT OIL		Time of collection taken from Bottle
All containers needing preservation have been checked?	<input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> N/A	13. <input type="checkbox"/> HNO <sub>3</sub> <input type="checkbox"/> H <sub>2</sub> SO <sub>4</sub> <input type="checkbox"/> NaOH <input type="checkbox"/> HCl
pH paper Lot #		Sample #
All containers needing preservation are found to be in compliance with method recommendation? (HNO <sub>3</sub> , H <sub>2</sub> SO <sub>4</sub> , HCl, NaOH>9 Sulfide, NAOH>12 Cyanide)	<input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> N/A	
Exceptions: VOA, Coliform, TOC/DOC, Oil and Grease, DRO/8015 (water). Per Method, VOA pH is checked after analysis		Initial when completed: Lot # of added preservative: Date/Time preservative added:
Samples checked for dechlorination: KI starch test strips Lot # Residual chlorine strips Lot #	<input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> N/A	14. Positive for Res. Chlorine? Y N
SM 4500 CN samples checked for sulfide? Lead Acetate Strips Lot #	<input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> N/A	15. Positive for Sulfide? Y N
Headspace in VOA Vials (>6mm):	<input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> N/A	16.
Trip Blank Present:	<input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> N/A	17.
Trip Blank Custody Seals Present	<input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> N/A	
Pace Trip Blank Lot # (if applicable):		

Client Notification/ Resolution: \_\_\_\_\_

Field Data Required? Y / N

Person Contacted: \_\_\_\_\_

Date/Time: \_\_\_\_\_

Comments/ Resolution: \_\_\_\_\_