**LANGAN**

Technical Excellence
Practical Experience
Client Responsiveness

June 20, 2017

Bureau of Case Assignment & Initial Notice
Site Remediation Program
NJ Department of Environmental Protection
401-05H
P.O. Box 420
Trenton, NJ 08625-0420

Township of Hopewell
JUN 28 2017
Health Department

**Re: NJDEP Public Notification Compliance Documentation**
Former AT&T Bell Laboratories – Princeton Site
Block 40, Lots 14.01 through 14.05
330 and 350 Carter Road - Hopewell Township, New Jersey
ISRA Case No. E95517; NJDEP Preferred ID No. G000003219

To Whom It May Concern:

Pursuant to N.J.A.C. 7:26C-1.7, Langan Engineering & Environmental Services, Inc. (Langan) recently completed the two-year update of public notification activities for the former AT&T Bell Laboratories Site located at 330 and 350 Carter Road in Hopewell Township, New Jersey (the Site). The attached materials document compliance with the notification and public outreach required by the New Jersey Department of Environmental Protection (NJDEP):

- NJDEP Public Notification and Outreach Form
- Copy of representative notification letter to a property owner
- Copy of the public notification fact sheet
- List of recipients for the public notification letter

If you have any questions, please do not hesitate to contact Richard LoCastro at 215-491-6521 or Erik Person at 215-491-6567.

Sincerely,
**Langan Engineering and Environmental Services, Inc.**

Erik Person, PG
Project Hydrogeologist

cc. Laurie E. Gompf, Hopewell Township Municipal Clerk
Mercer County Division of Public Health
Robert English, Hopewell Township Health Officer
John Galasso, PE, Alcatel-Lucent
Richard P. LoCastro, PG, Langan
Nicholas De Rose, Langan, Site LSRP

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**NJDEP Public Notification and Outreach Form**

**New Jersey Department of Environmental Protection**
Site Remediation Program

# PUBLIC NOTIFICATION AND OUTREACH

Date Stamp
(For Department use only)

## SECTION A. SITE LOCATION

Site Name: Former AT&T Bell Laboratories - Princeton Site

List all AKAs:

Street Address: 330 and 350 Carter Road

Municipality: Hopewell Township *(Township, Borough or City)*

County: Mercer Zip Code: 08540

Mailing Address if different than street address:

Program Interest (PI) Number(s): G000003219

Case Tracking Number(s) for this submission: E95517

Date Remediation Initiated Pursuant to N.J.A.C. 7:26C-2: 01/31/1996

State Plane Coordinates for a central location at the site: Easting: 428114.37 Northing: 556676.11

Municipal Block(s) and Lot(s):

| | | | |
|---|---|---|---|
| Block # 40 | Lot # 14.01 | Block # 40 | Lot # 14.02 |
| Block # 40 | Lot # 14.03 | Block # 40 | Lot # 14.04 |
| Block # 40 | Lot # 14.05 | Block # | Lot # |
| Block # | Lot # | Block # | Lot # |

## SECTION B. NOTIFICATION INFORMATION

1. Indicate the type of Public Notification:

   ☐ Initial ☒ Update

2. Public notification was provided via: *(Check all that apply)*

   Sign..... ☐ Yes ☒ No
   Letter..... ☒ Yes ☐ No
   Fact sheet..... ☒ Yes ☐ No

3. Were materials produced in a language other than English? ..... ☐ Yes ☒ No

   If "Yes," in what other language was notification prepared?

4. Were copies provided to municipal clerk, local/county health dept., and local health agency? ..... ☒ Yes ☐ No

5. Did you provide an electronic copy of all required submittals? ..... ☒ Yes ☐ No

6. Was public notification conducted using an alternate plan and is the rationale for this plan included? ..... ☒ Yes ☐ No

   See B.6 below

7. Was additional public outreach conducted due to the NJDEP's determination of substantial public interest? ..... ☐ Yes ☒ No

B.6 - The NJDEP approved limiting the public notification letter and fact sheet to eight properties located within 200 feet of the Site that are nearest to the environmental issue in email correspondence dated July 9, 2009. Alcatel-Lucent has also voluntarily distributed the public notification and fact sheet to 30 properties located within 200 feet of the revised groundwater Classification Exception Area (CEA) that was submitted to the NJDEP in June 2017.

**SECTION C. PERSON RESPONSIBLE FOR CONDUCTING THE REMEDIATION INFORMATION AND CERTIFICATION**

Full Legal Name of the Person Responsible for Conducting the Remediation: Alcatel-Lucent USA Inc.

Representative First Name: Gregory Representative Last Name: Galasso

Title: Environmental Engineering Manager

Phone Number: (908) 307-2140 Ext: Fax:

Mailing Address: 600-700 Mountain Avenue

City/Town: Murray Hill State: NJ Zip Code: 07974

Email Address: john.galasso@alcatel-lucent.com

This certification shall be signed by the person responsible for conducting the remediation who is submitting this notification in accordance with Administrative Requirements for the Remediation of Contaminated Sites rule at N.J.A.C. 7:26C-1.5(a).

*I certify under penalty of law that I have personally examined and am familiar with the information submitted herein, including all attached documents, and that based on my inquiry of those individuals immediately responsible for obtaining the information, to the best of my knowledge, I believe that the submitted information is true, accurate and complete. I am aware that there are significant civil penalties for knowingly submitting false, inaccurate or incomplete information and that I am committing a crime of the fourth degree if I make a written false statement which I do not believe to be true. I am also aware that if I knowingly direct or authorize the violation of any statute, I am personally liable for the penalties.*

Signature: Date: 6-19-17

Name/Title: G. John Galasso/Env. Engineering Manager

**SECTION D. LICENSED SITE REMEDIATION PROFESSIONAL INFORMATION AND STATEMENT**

LSRP ID Number: 573801

First Name: Nicholas Last Name: De Rose

Phone Number: (215) 491-6510 Ext: Fax: (215) 491-6501

Mailing Address: P.O. Box 1569

City/Town: Doylestown State: PA Zip Code: 18901

Email Address: nderose@langan.com

This statement shall be signed by the LSRP who is submitting this notification in accordance with N.J.S.A. 58:10C-14, and N.J.S.A. 58:10B-1.3b(1) and (2).

*I certify that I am a Licensed Site Remediation Professional authorized pursuant to N.J.S.A. 58:10C to conduct business in New Jersey. As the Licensed Site Remediation Professional of record for this remediation, I:*

**[SELECT ONE OR BOTH OF THE FOLLOWING AS APPLICABLE]:**

☐ *directly oversaw and supervised all of the referenced remediation, and\or*

☒ *personally reviewed and accepted all of the referenced remediation presented herein.*

*I believe that the information contained herein, and including all attached documents, is true, accurate and complete.*

*It is my independent professional judgment and opinion that the remediation conducted at this site, as reflected in this submission to the Department, conforms to, and is consistent with, the remediation requirements in N.J.S.A. 58:10C-14.*

*My conduct and decisions in this matter were made upon the exercise of reasonable care and diligence, and by applying the knowledge and skill ordinarily exercised by licensed site remediation professionals practicing in good standing, in accordance with N.J.S.A. 58:10C-16, in the State of New Jersey at the time I performed these professional services.*

*I am aware pursuant to N.J.S.A. 58:10C-17 that for purposely, knowingly or recklessly submitting false statement, representation or certification in any document or information submitted to the board or Department, etc., that there are significant civil, administrative and criminal penalties, including license revocation or suspension, fines and being punished by imprisonment for conviction of a crime of the third degree.*

LSRP Signature: Date: 6/14/17

LSRP Name/Title: Nicholas De Rose/Managing Principal

Company Name: Langan Engineering & Environmental Services, Inc

Completed forms should be sent to:

Bureau of Case Assignment & Initial Notice
Site Remediation Program
NJ Department of Environmental Protection
401-05H
PO Box 420
Trenton, NJ 08625-0420

**Copy of Representative Notification Letter to a Property Owner**

Alcatel·Lucent
600-700 Mountain Avenue
Murray Hill, NJ 07974

June 20, 2017

John and Patricia Rieszer
1 Cleveland Road West
Princeton, New Jersey 08540

**Re: Fact Sheet and Notification of Ongoing Environmental Activities at the Former AT&T Bell Laboratories - Princeton Site**
**330 Carter Road**
**Hopewell Township, New Jersey**

Dear Mr. and Mrs. Rieszer:

Alcatel-Lucent USA Inc. (Alcatel-Lucent) has prepared this letter and the attached Fact Sheet to provide an update of ongoing environmental activities at the Former AT&T Bell Laboratories - Princeton Site in Hopewell Township, New Jersey (the Site). This notification is required by the New Jersey Department of Environmental Protection (NJDEP) pursuant to New Jersey Administrative Code (N.J.A.C.) 7:26C-1.7.

The attached Fact Sheet provides a description of environmental issues at the Site and Alcatel-Lucent's ongoing remedial actions. The Fact Sheet also includes online resources that provide additional information regarding the constituents that have been detected in groundwater at the Site.

**Contacts for Further Information:**

Alcatel-Lucent has provided and will continue to provide copies of environmental reports to the Hopewell Township Health Department. If you have any questions about our ongoing remedial activities, please feel free to contact either me or the Licensed Site Remediation Professional (LSRP):

**Alcatel-Lucent Contact:**
John Galasso, PE
Alcatel-Lucent USA Inc.
600-700 Mountain Avenue
Murray Hill, NJ 07974
(908) 307-2140

**LSRP:**
Nicholas De Rose, PG
Langan Engineering & Environmental Services, Inc.
P.O. Box 1569
Doylestown, PA 18901
(215) 491-6710

Sincerely,

G. John Galasso, PE
Environmental Engineering Manager

cc: Mercer County Division of Public Health
Robert English, Hopewell Township Health Officer
Laurie E. Gompf, Hopewell Township Municipal Clerk
Nicholas De Rose, Site LSRP

**Copy of the Public Notification Fact Sheet**

# Former AT&T Bell Laboratories – Princeton Site
# Hopewell Township, New Jersey

**Fact Sheet**

*This fact sheet has been developed by Alcatel-Lucent USA Inc. in accordance with the New Jersey Department of Environmental Protection's (NJDEP) Public Notification Requirements to inform the public about ongoing environmental remediation activities at the Former AT&T Bell Laboratories - Princeton Site.*

June 2017

**SITE INFORMATION**

*Location:* 330 Carter Road
Princeton, NJ 08540
(mailing address)

*Tax Map:* Block 40, Lot 14.03
Hopewell Township

*(Property was subdivided from Lot 14 into Lots 14.01 through 14.05)*

*NJDEP Preferred ID No.:* G000003219

## SITE HISTORY

Western Electric Company (Western Electric), a predecessor to AT&T Corp., purchased the 192-acre site in 1957. The original parcel, comprised of undeveloped land or farmland, included a portion of the present day Farmhouse (also referred to as the Film Center). The Farmhouse was owned by the Princeton Film Center from 1948 to 1952 and by Meredith Engineering Company from 1952 to 1957. Western Electric expanded the Farmhouse in 1959, and constructed the main building and Wastewater Treatment Plant in 1961. Additional ancillary buildings were constructed in subsequent years. AT&T Corporation, and its predecessor, Western Electric, used the buildings for Research and Development (R&D) operations for the telecommunications industry. Lucent Technologies Inc. (Lucent) was formed from AT&T in 1996, and continued operations before departing the site in 2003. Lucent assumed responsibility for cleanup of the site pursuant to the requirements of New Jersey's Industrial Site Recovery Act (ISRA), which was triggered when Lucent was divested from AT&T. Alcatel-Lucent USA Inc. (Alcatel-Lucent) is the party presently undertaking cleanup of the site pursuant to ISRA Case No. E95517. The Former AT&T Bell Laboratories – Princeton Site is currently occupied by The Technology Center of Princeton.

**CONTACT INFORMATION**

For additional information about the Former AT&T Bell Laboratories site in Hopewell Township, please contact:

**Alcatel-Lucent USA Inc.**
600-700 Mountain Avenue
Murray Hill, NJ 07974
Attn: John Galasso, PE
908-307-2140

**Licensed Site Remediation Professional**
Nicholas De Rose, PG
Langan Engineering & Environmental Services, Inc.
P.O Box 1569
Doylestown, PA 18901
215-491-6710

## DESCRIPTION OF ENVIRONMENTAL ISSUES

In 1980, AT&T discovered volatile organic compounds (VOCs) in groundwater samples collected from the supply wells at the site. With NJDEP oversight, AT&T conducted a hydrogeologic investigation, which led to the selection of the Film Center Well as a groundwater extraction point to remediate the VOCs in groundwater. The Film Center Well has been pumped continuously at an approximate rate of 10 gallons per minute (gpm) or higher since 1985. Operation of the Film Center Well and natural attenuation has resulted in a significant reduction of VOC concentrations in groundwater since 1985.

As part of the ISRA process, Lucent conducted a comprehensive investigation of environmental conditions at the site, which included an assessment of soil, groundwater, surface water, and sediment quality. Lucent has remediated soil and sediment quality impacts at several localized areas of the site and has obtained NJDEP approval of no further action for soil, sediment, and surface water quality issues. The only remaining environmental issue is groundwater quality impacts (primarily VOCs) that occupy an area of less than five acres (<3% of the site) in the southwestern portion of the site. The VOCs are believed to have originated from former septic facilities (cesspools and leach field) associated with the Farmhouse prior to its connection to the Wastewater Treatment Plant.

**Continued** ➡

**DESCRIPTION OF ENVIRONMENTAL ISSUES - continued**

June 2017

Results from the most recent groundwater monitoring events (2016 and 2017) indicate two VOCs at concentrations exceeding the NJDEP Groundwater Quality Standards (GQS): trichloroethene (TCE) and 1,1-dichloroethene (1,1-DCE). In addition, 1,4-dioxane was detected at concentrations exceeding the NJDEP Interim Groundwater Quality Criterion (IGQC), which was lowered in November 2015 from 10 to 0.4 parts per billion (ppb). Alcatel-Lucent completed further assessment of 1,4-dioxane concentrations in groundwater through the sampling of monitoring wells and residential wells in 2016 and 2017. The highest VOC concentrations detected in groundwater in 2016 and 2017 were: 10 ppb for 1,1-DCE, 8 ppb for TCE, and 1.1 ppb for 1,4-dioxane. In addition to VOCs, sodium has also been detected in several low-yielding monitoring wells.

**Applicable Groundwater Criteria (ppb)**

| Constituent | Federal MCL | NJ MCL | NJDEP GQS |
|---|---|---|---|
| TCE | 5 | 1 | 1 |
| 1,1,1-TCA | 200 | 30 | 30 |
| 1,1-DCE | 7 | 2 | 1 |
| 1,4-Dioxane | NS | NS | 0.4[1] |
| Sodium | 50,000[2] | 50,000[2] | 50,000 |

ppb: parts per billion
MCL: Maximum Contaminant Level
GQS: Groundwater Quality Standard
NS: Not specified
[1]The listed value is a NJDEP Interim Groundwater Quality Criterion
[2]The listed Federal MCL and NJ MCL for Sodium is a secondary standard.

Under the ISRA program, Alcatel-Lucent has sampled 44 residential wells located within the vicinity of the site in partnership with the Hopewell Township Health Department. Based on the residential well sampling results, carbon filtration systems were installed at 13 residential wells located southwest of the site. Alcatel-Lucent has conducted semi-annual or annual groundwater monitoring and maintained the carbon filtration systems since 1998. Because the untreated water monitoring results have consistently met the NJ Maximum Contaminant Levels (MCLs) for many years, Alcatel-Lucent discontinued the carbon filtration systems at 4 of the residential wells in 2015. In response to the lowering of the 1,4-dioxane IGQC, Alcatel-Lucent sampled 28 residential wells during monitoring events completed between 2016 and 2017, but 1,4-dioxane was not detected in the untreated water samples at concentrations exceeding the NJDEP IGQC. TCE and 1,1-DCE were detected in 2 untreated water samples at concentrations exceeding the NJDEP NJ MCLs; however, both of these residences are equipped with POET systems. As required by NJDEP, Alcatel-Lucent has defined a Groundwater Classification Exception Area (CEA) to depict the on-site and off-site areas where VOCs have been detected in groundwater at concentrations exceeding the NJDEP GQS. NJDEP approved a Groundwater Remedial Action Permit (GW RAP) for the site on October 23, 2014. The Licensed Site Remediation Professional (LSRP) issued a restricted use site-wide Response Action Outcome (RAO) for the site on April 22, 2015. The CEA was recently revised to include 1,4-dioxane in the list of compounds and to update the lateral extent of the CEA as a result of 1,4-dioxane detections in the former sentinel monitoring well. A new sentinel well was installed in 2016 and the groundwater sampling results were below the NJDEP GQS and IGQC. The revised CEA extends off-site approximately 3,800 feet southwest from the Carter Road property boundary.

***Copies of all environmental reports are provided to the Hopewell Township Health Department.***

*For more information about the constituents identified at the site, visit the following websites:*

USEPA
www.epa.gov/superfund
*Click on "Contaminated Media, Human Health, and Environmental Effects"*

ATSDR
U.S. Agency for Toxic Substances and Disease Registry
www.atsdr.cdc.gov/
*Click on "ToxFAQs™"*

**FUTURE ACTIONS**

Operation of the Film Center Well groundwater extraction system has significantly reduced VOC concentrations in groundwater over time. As approved by NJDEP, Alcatel-Lucent will continue to operate the Film Center Well to address VOC concentrations in groundwater. In addition, Alcatel-Lucent will continue to monitor the groundwater quality in residential and monitoring wells, and will maintain carbon-filtration systems in off-site residential wells, as necessary. The Film Center Well will continue to operate as a groundwater extraction well as indicated in the GW RAP. Groundwater monitoring, residential well monitoring, and maintenance of the carbon-filtration systems will continue until VOC concentrations in the residential wells are consistently below the applicable NJ MCLs, NJDEP GQS, and IGQC.

## List of Recipients for the Public Notification Letter

**Public Notification List**
Former AT&T Bell Laboratories - Princeton
Hopewell Township, New Jersey

Last Updated: June 20, 2017

| Name | Owner/Tenant | Address | | Block/Lots |
|---|---|---|---|---|
| New Jersey Conservation et. al. | Owner | 170 Longview Road | Far Hills, NJ 07931 | 40/14.01 and 14.05 |
| 350 Carter Road LLC et. al. c/o Ryan | Owner | 600 Fifth Avenue, 9th FL | New York, NY 10020 | 40/14.02 and 14.03 |
| Township of Hopewell | Owner | 201 Washington Crossing - Pennington Road | Titusville, NJ 08560 | 40/14.04 |
| Double Brook Farm LLC | Owner | P.O. Box 96 | Hopewell, NJ 08525 | 39/16.011 |
| Current Resident | Tenant | 37 Bayberry Road | Princeton, NJ 08540 | |
| Henry D Martin III | Owner | 333 Carter Road | Princeton, NJ 08540 | 39/16.02 |
| Russell D. Barefoot and Corey R. Johnson | Owner | 329 Carter Road | Princeton, NJ 08540 | 39/40 |
| Alfred J. and Lisa E. Pietrinferno | Owner | 327 Carter Road | Princeton, NJ 08540 | 39/39 |
| Sandra D. and Timothy R. Perkins | Owner | 306 Carter Road | Princeton, NJ 08540 | 41/2 |
| Current Resident | Tenant | 320 Carter Road | Princeton, NJ 08540 | |
| Tito and Yelena Mijares | Owner | 319 Carter Road | Princeton, NJ 08540 | 39/36 |
| Jeffrey and Christine Hixson | Owner | 317 Carter Road | Princeton, NJ 08540 | 39/35 |
| Mary Ellen Furman | Owner | 315 Carter Road | Princeton, NJ 08540 | 39/34 |
| 305 Carter Road LLC | Owner | 305 Carter Road | Princeton, NJ 08540 | 39/55 |
| Eaton Family Trust | Owner | 105 Cleveland Road | Princeton, NJ 08540 | 41/8 |
| John F. and Patricia A. Rieszier | Owner | 1 Cleveland Road West | Princeton, NJ 08540 | 39/37 |
| Rodrigo and Teresa Soto | Owner | 2 Cleveland Road West | Princeton, NJ 08540 | 39/38 |
| William R. and Marcy B. Fogler | Owner | 4 Cleveland Road West | Princeton, NJ 08540 | 39/41 |
| Mark P. Hill and Beth Ann Tschaepe | Owner | 5 Cleveland Road West | Princeton, NJ 08540 | 39/51 |
| Peter J. Flemming | Owner | 6 Cleveland Road West | Princeton, NJ 08540 | 39/42 |
| Felix Martinez and Elena Castaneda | Owner | 7 Cleveland Road West | Princeton, NJ 08540 | 39/49 |
| Scott A. Keneman | Owner | 8 Cleveland Road West | Princeton, NJ 08540 | 39/43 |
| Reese Rogers and Joan M. Peschong | Owner | 9 Cleveland Road West | Princeton, NJ 08540 | 39/48 |
| James P. and Christina H. Besanceney | Owner | 10 Cleveland Road West | Princeton, NJ 08540 | 39/44 |
| Philip and Mei-Ying Liu | Owner | 11 Cleveland Road West | Princeton, NJ 08540 | 39/47 |
| Christine F. Reed | Owner | 12 Cleveland Road West | Princeton, NJ 08540 | 39/45 |

**Public Notification List**
Former AT&T Bell Laboratories - Princeton
Hopewell Township, New Jersey

Last Updated: June 20, 2017

| Name | Owner/Tenant | Address | | Block/Lots |
|---|---|---|---|---|
| David R. and Nan L. Rossien | Owner | 13 Cleveland Road West | Princeton, NJ 08540 | 39/46 |
| John J. Acevedo and Amparo M. Scott | Owner | 10500 Rockville Pike 1406 | Rockville, MD 20854 | 39/20 |
| Pat Geurds | Tenant | 14 Cleveland Road West | Princeton, NJ 08540 | |
| Regina T. Underhill, Trustee | Owner | 73 Bayberry Road | Princeton, NJ 08540 | 39/25 |
| Lydia Zaininger | Owner | 9 East Shore Drive | Princeton, NJ 08540 | 39/19 |
| Current Resident | Tenant | 69 Bayberry Road | Princeton, NJ 08540 | |
| Gearoid Foley | Owner | 68 Bayberry Road | Princeton, NJ 08540 | 43.10/9 |
| Partho S. Ghosh and Anuradha Biswas | Owner | 67 Bayberry Road | Princeton, NJ 08540 | 39/24 |
| Donald Twomey | Owner | 66 Bayberry Road | Princeton, NJ 08540 | 43.10/8 |
| Norman T. and Christina M. Callaway | Owner | 64 Baybarry Road | Princeton, NJ 08540 | 43.25/4 |
| Damon M. and Anna Kress | Owner | 62 Bayberry Road | Princeton, NJ 08540 | 43.06/8 |
| Samuel B Starkey | Owner | 1500 Locust Street, Apt 3304 | Philadelphia, PA 19102 | 43.06/9 |
| William M. and Julia F. Hardt | Owner | 22 Alta Vista Drive | Princeton, NJ 08540 | 43.25/3 |
| James T. Hennessey | Owner | 20 Alta Vista Drive | Princeton, NJ 08540 | 43.25/2 |
| Alexandra Gerry | Owner | 18 Alta Vista Drive | Princeton, NJ 08540 | 43.25/1 |
| Jerome A. Swindell and Ayanna J. McKay | Owner | 15 Alta Vista Drive | Princeton, NJ 08540 | 43.06/7 |
| Krzysztof and Samantha Kowalski | Owner | 4 Cedar Brook Terrace | Princeton, NJ 08540 | 43.06/6 |

**330 Carter Road Site Contacts**

| Name | Owner/Tenant | Address | |
|---|---|---|---|
| Bob Kupsch | BPG Management Company, LP | 301 Oxford Valley Road, Suite 1203A | Yardley, PA 19067 |
| Hank Greenemeir | Greene Environmental | 15 Liberty Avenue | Trenton, NJ 08620 |
| Jason Ispanky | WorldWater and Solar | 330 Carter Road | Princeton, NJ 08540 |
| Matthew Reily | United Technologies Aerospace Sensors Unlimited | 330 Carter Road, Suite 100 | Princeton, NJ 08540 |
| Joseph Coughlan | Bristol Myers Squibb | 350 Carter Road | Princeton, NJ 08540 |