

Former AT&T Bell Laboratories – Murray Hill Site Murray Hill, New Jersey

Fact Sheet

August 2009

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 – Murray Hill Site.

SITE HISTORY

Alcatel-Lucent USA Inc. (Alcatel-Lucent), formerly known as Lucent Technologies Inc., or its predecessors in interest, including AT&T Bell Laboratories (Bell Labs), has occupied the site since the 1930s. Lucent assumed responsibility for clean up of the site in 1996 pursuant to the requirements of New Jersey's Industrial Site Recovery Act (ISRA), which was triggered as a result of AT&T's transfer of the property to Lucent. Currently, the property is primarily utilized as office space with some research and development related activities.

CONTACT INFORMATION

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

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Room 1F-102G
Murray Hill, NJ 07974-0636
Attn: Gary Fisher
908-582-5771

NJDEP

Office of Community Relations
Division of Remediation Support
401 E. State St. 6th Floor
P.O. Box 413
Trenton, NJ 08625-0413
800-253-5647

DESCRIPTION OF ENVIRONMENTAL ISSUES

The primary contaminant of concern in groundwater at the Site is trichloroethene (TCE). The horizontal extent of contamination extends north from the southeast corner of the Alcatel-Lucent property (the source area) to approximately 350 feet south of the intersection of South Street and Candlewood Drive in New Providence with a maximum width of 1,400 feet along Mountain Avenue. The contaminated groundwater plume is approximately 3,100 feet in length. The source of the groundwater contamination is believed to be from historical handling of solvents during facility operations.

Salt Brook, a stream to the northeast of the property is impacted by TCE to approximately 2,000 feet north of the culvert at Mountain Ave. The source of the surface water TCE contamination in Salt Brook is from the TCE impacted groundwater.

Water in a drainage ditch that flows west from the property before flowing into Blue Brook is primarily impacted with copper and lead to approximately 150 feet downstream of the property boundary. Copper is the primary constituent of concern in the drainage ditch. The source of the surface water metal contamination is from storm water runoff entering the drainage ditch.

Sediments in the drainage ditch are impacted with copper to 575 feet downstream of the property boundary. The source of the copper contamination is attributed to the leaching of copper from the building roofs into storm water that flows to the drainage ditch. Leaching is exacerbated by acid rain in north-central New Jersey.

SITE INFORMATION

Location: 600 Mountain Avenue
Murray Hill, NJ 07974
(mailing address)

Tax Map: Block 3701, Lot 1
(Berkeley Heights
Borough)
Block 321 and 382,
Lots 1, 2, 3, 4, 5, and 6
(New Providence
Township)

NJDEP Preferred ID No.: 008315

Program's Site ID No.: E95514

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ACTIONS PERFORMED TO DATE

In accordance with Alcatel-Lucent's obligations under ISRA, environmental investigations and remedial actions are ongoing at the Murray Hill property. Since 1996 most environmental areas of concern identified at the Site have been addressed to the satisfaction of the NJDEP by various methods including excavation and off-site disposal of contaminated soil and sediment, connection of homes with domestic water wells to the public supply system and installation of a sub-slab depressurization system in a nearby home. Also, during 2006 to 2007 Alcatel-Lucent implemented a remedy utilizing chemical oxidation to mitigate the source of the TCE in the groundwater.

Copies of all environmental reports will be provided to Berkeley Heights and New Providence officials upon request.

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™"

Contaminant Concentrations

Groundwater

<u>Constituent</u>	<u>Concentration Range⁽¹⁾</u>	<u>Standard/Criteria⁽²⁾</u>
TCE (On-Site)	ND to 19,000 ppb	1 ppb
TCE (Off-Site)	ND to 160.5 ppb	1 ppb

Surface Water

<u>Constituent</u>	<u>Concentration Range⁽¹⁾</u>	<u>Standard/Criteria⁽²⁾</u>
TCE (Off-site)	ND to 16.2 ppb	1.09 ppb
Copper (On-site)	88 to 191 ppb	29.2 ppb
Copper (Off-site)	ND to 26.6 ppb	29.2 ppb
Lead (On-site)	11 to 34 ppb	5 ppb
Lead (Off-site)	ND to 5.3 ppb	5 ppb

Sediment

<u>Constituent</u>	<u>Concentration Range⁽¹⁾</u>	<u>Standard/Criteria⁽²⁾</u>
Copper (On-site)	62.5 to 417 ppm	16 ppm
Copper (Off-site)	63.9 to 278 ppm	16 ppm

ND: Not Detected

ppb: parts per billion

ppm: parts per million

(1) The concentration range represents concentrations detected at the time that the fact sheet was prepared.

(2) Groundwater: New Jersey Ground Water Quality Standards, N.J.A.C. 7:9-6.
Surface Water: NJDEP Surface Water Quality Standards Fresh Water (FW2).
Sediment: NJDEP Sediment Fresh Water Criteria Lowest Effects Limit (LEL).

FUTURE ACTIONS

Alcatel-Lucent continues monitor the effectiveness of the chemical oxidation program on the TCE groundwater plume. Alcatel-Lucent is proposing further actions to restore sediment and surface water quality including excavation of metals in sediment and restoration of the natural vegetation, as well as investigating proper remedies to address the impacts to surface water.