

**CHILDREN AT RISK:**  
**Toxic Chemicals Near Schools**  
**in Paterson and Clifton, New Jersey**

A Special Report Prepared by  
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### **New Jersey Work Environment Council**

The New Jersey Work Environment Council (WEC) advocates for safe, secure jobs and a healthy, sustainable environment. To achieve these goals, WEC has created an alliance of working people, unions, environmental and community organizations. WEC provides technical assistance, training and research. WEC also supports and conducts grassroots organizing and political action campaigns. (For information about membership, see contact information below.)

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## Contents

<b>Executive Summary</b>	<b>Pages 1-3</b>
<b>1. Children at Risk</b>	<b>Pages 4-6</b>
<b>2. Findings</b>	<b>Pages 7-10</b>
<b>3. Conclusions and Recommendations</b>	<b>Pages 11,12</b>
<b>4. Methodology</b>	<b>Pages 13</b>
<b>Appendices</b>	<b>Pages 14-25</b>

## Executive Summary

Each year hundreds of thousands of pounds of industrial pollution are spewed into the air near schools in Paterson and Clifton, New Jersey, according to state and federal data analyzed by the New Jersey Work Environment Council (WEC). At the same time, many industrial facilities in these two Passaic County cities also store enormous quantities of toxic chemicals -- from cadmium to xylene -- near elementary, middle and high schools.

This WEC study reveals for the first time the proximity of potentially perilous industrial pollutants to public schools in Paterson and Clifton, municipalities that are approximately 15 miles west of New York City. *Children at Risk* utilized government environmental data, school enrollment data, and census data, as well as online mapping software to plot the distance between schools and industrial facilities.

Clifton and Paterson are home to 170 facilities storing or releasing toxic chemicals. The chemicals used and stored in these facilities vary, although many have serious health effects.

As a result, thousands of schoolchildren in Paterson and Clifton attend class within one mile of industrial facilities reporting air releases of chemicals known to cause cancer, reproductive damage, developmental disabilities or respiratory illnesses. These include heavy metals, nitrogen oxides, sulfur dioxide and particulate matter. Moreover, virtually every student in Paterson and Clifton lives within a mile of facilities storing hazardous chemicals.

Estimated enrollment data indicate that there are more than 33,500 children attending public schools in Paterson and Clifton, New Jersey. They are enrolled in more than 50 public schools located within one mile of industrial facilities releasing airborne toxic chemicals or storing large quantities of hazardous chemicals.

The results of WEC's analysis are disturbing:

- **The biggest air polluters in Paterson and Clifton operate in close proximity to many public schools.** For example, Crown Roll Leaf, Passaic County's top polluter during each of the past three years for which data is available, is located within a one-mile radius of nine public schools -- six in Paterson and three in Clifton -- with a total enrollment of 5,628 children.
- **Virtually every school in Paterson and Clifton is near a source of industrial air pollution or a facility storing hazardous chemicals.** And most school in these cities is less than a mile from one or more industrial facilities storing more than 10,000 pounds of chemicals. In Paterson, School 20 is only .2 miles from Heterene Chemical Co., which has been indicted for a chemical release in June 1998 that forced the evacuation of the school and sent more than 50 students and school personnel to area hospitals. But the school is also only .3 miles from The Okonite Co., Inc., which stores large quantities of

polychlorinated biphenals (PCBs), trichloroethane, propane, and heavy metals such as lead and copper. And School 20 is just .8 miles from Crown Roll Leaf, the county's biggest air polluter.

- **Many schoolchildren and school personnel are exposed to a potent blend of airborne chemicals – a “toxic stew” of ubiquitous pollutants.** These exposures, while sometimes sudden, more often occur at lower, everyday levels – but over long periods of time. According to mounting medical research, many of these chemicals can trigger asthma and other respiratory ailments, as well as developmental disabilities.<sup>1</sup>

*This report does not include information regarding automobile exhaust or airborne pesticides. Nor does it draw conclusions about specific health effects that industrial air emissions have on schoolchildren or school personnel. It is intended, rather, to help citizens, workers, plant managers, business owners, local emergency responders and policy makers take a closer look at the relationship between environmental and industrial chemicals and children.*

Parents, children, neighbors and school personnel have reason to be wary about the chemicals that surround us. Despite the efforts of some companies to reduce emissions, substitute safer chemicals for those that are more hazardous, and operate safely – and to communicate this to the public – this WEC report shows that the sheer volume of toxic substances and variety of sources raise questions about whether children's health is at risk.

In light of the findings and the troubling reality that too little is known about the health consequences for children of long-term, low-level exposure to chemicals, WEC contends that the “precautionary principle” should be adhered to not only by citizens and government officials, but by owners and operators of businesses using toxic chemicals.

This precautionary principle holds that if we reasonably suspect that a process or activity may be harmful:

- Precautionary measures should be taken even if the harmful effects are not fully established scientifically; and
- The owner or operator of the activity or process, rather than the public, should bear the burden of scientific proof.

Until that proof is presented, citizens – and particularly children -- should not be used as guinea pigs in long-term experiments with unknown consequences. Put simply, we're better off safe than sorry.

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<sup>1</sup> On May 11, Greater Boston Physicians for Social Responsibility released a report entitled *In Harm's Way: Toxic Threats to Child Development*. The report examines the intersection between child development and chemical exposures and concludes that a variety of chemical exposures – including low-level exposures -- have contributed to an “epidemic of developmental, learning, and behavioral disabilities” that has become evident among children.

WEC is making a number of specific recommendations:

1. Industrial facilities operating near schools should hold annual public meetings to discuss hazard prevention strategies with parents, school personnel, local media and workers (including their own unions, where applicable).
2. The New Jersey Chemical Industry Council (CIC), which represents 105 member companies in the chemical process industry, should contact all private sector facilities using extremely hazardous chemicals -- including non-member facilities -- to encourage these public meetings with parents and school personnel.
3. In cooperation with school science classes and teachers' unions, school districts should develop and support programs that enable schoolchildren and school personnel to monitor storage and air emissions of chemicals at nearby industrial facilities. Such programs could make use of electronic data available on-line through the U.S. Environmental Protection Agency ([www.epa.gov](http://www.epa.gov)) or through nonprofit organizations such as Environmental Defense ([www.scorecard.org](http://www.scorecard.org)).
4. The NJ Department of Environmental Protection should require facilities to provide nearby schools with *early notice* about permit applications for construction of new industrial facilities, or renewal of permits for existing facilities.
5. Facilities in Clifton and Paterson reporting annual air emissions of more than 10,000 pounds of chemicals, should reduce those releases by 50 percent or more over a two-year period -- and facilities should hire additional employees, if necessary, to ensure that operations are properly maintained and monitored.
6. Governor Whitman should direct the DEP to install air pollution monitors on-site at selected schools in Paterson and Clifton. These monitors should be at least comparable to three monitors scheduled to be situated in New Brunswick, Elizabeth and Chester (Morris County) that check for 50 different toxic chemicals.

This report discusses the proximity of facilities that use or store chemicals to public schools. Section I reviews some of the particular health effects on children. Section II looks at the overall report findings, and look closely at two sample schools within both Clifton and Paterson and their proximity to industrial facilities. Section III focuses on the possibility of "worst case scenario" chemical releases, like the Heterene release. And Section V details conclusions and elaborates on the above recommendations.

## Children at Risk

Children are especially vulnerable to toxic chemicals. Their exposures – whether through inhalation, ingestion or direct contact -- constitute a larger dose than the average adult's in proportion to their body size.

Making matters worse, existing environmental and workplace safety regulations all but overlook this fact. Both New Jersey and federal standards regulating storage, use and release of toxic chemicals are based on exposure limits intended to protect the average adult male (weighing 160-180 pounds) from a significant health risk.

Clearly, minimum safe levels for adults are not likely to be acceptable minimum levels for children. Indeed, common sense tells parents not to give the same dose of medicine to children that they would give to themselves. Yet regulatory agencies throughout the state and across the country have not yet set permissible exposure limits that adequately safeguard the health of children.

According to the US Environmental Protection Agency, children are at particular risk from toxic hazards for three reasons:

1. Their bodies are developing and include immature organs and tissue, and weaker immune systems;
2. Because they breathe more than adults in proportion to their size they are exposed to more airborne hazards; and
3. Because they are less able than adults to protect themselves, their behavior exposes them to more hazards.<sup>2</sup>

The EPA's assessment is particularly disturbing in light of the growing incidence of childhood cancer and many other diseases suspected to result, in large part, from exposure to environmental hazards. This emerging picture is supported by laboratory, clinical and epidemiological research.<sup>3</sup>

In the past decade, there has also been an explosion in asthma cases, particularly among our poorest citizens, and particularly among children. In the U.S., the number of asthma sufferers more than doubled between 1980 and 1998, ballooning from 6.7 million to 17.3 million – and 4.8 million are children.<sup>4</sup> Public health experts conclude that children -- and particularly poor children -- are more likely to be around environmental triggers, such as chemical exposure, that set off asthma attacks.

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<sup>2</sup> *Environmental Health Threats to Children*, U.S. Environmental Protection Agency, 1996.

<sup>3</sup> *Children's Health and the Environment – the first Herbert L. Needleman Award Lecture*, Philp Landrigan, MD, Department of Community Medicine, Mount Sinai Medical Center, New York, NY, 1997.

<sup>4</sup> Centers for Disease Control and Prevention (CDC).

An ongoing childhood asthma study conducted by Passaic Beth Israel Hospital in Passaic, a Passaic County city near both Paterson and Clifton, found that 27 percent of 1,000 children screened – a group that includes third graders in public and parochial schools – had asthma or asthma-related symptoms.<sup>5</sup>

In general, in the U.S., potential exposure among schoolchildren to toxic industrial chemicals at falls disproportionately on children of color and poor children, a fact well documented in many states, including California.<sup>6</sup> WEC's analysis of Paterson and Clifton – two cities with very different demographic profiles – is consistent with this trend.

Although both Paterson and Clifton are each home to many industrial facilities, the number of children attending school near the biggest polluters is at least two times higher in Paterson than in Clifton.

In Paterson, where 60 percent of the population is non-white and where one-third of the city's children live in poverty, 24,500 K-12 students attend school in close proximity to one or more of 98 industrial facilities storing or emitting toxic chemicals into the air. Among the city's top five industrial air emitters, the average number of children attending school within one mile is 5,625. (See Table II.)

### Chemical Accidents, Schools and Kids

The proximity of schools to chemical facilities is not an academic discussion in cities like Paterson and Clifton.

- The June 1998 release of a toxic cloud of cresol at Heterene Chemical Co. Inc. resulted in the evacuation of School 20 and the hospitalization of more than 50 children and school personnel. It also resulted in lingering health effects for some victims. School 20 is less than a quarter mile from Heterene. And there are 82 other public schools within 3.5 miles of the facility. The company denies any connection to these events, despite having been cited by regulatory agencies and indicted. Heterene nonetheless reported to the EPA last year that a future worst-case chemical release could have significant consequences. In the executive summary of the company's Risk Management Plan, it stated the following: *"As a result of the congested area in which the Heterene facility is located, the "worst-case" releases could affect the nearby residents and businesses. The types of effects which are evaluated include toxicity, thermal radiation (from slow combustion), and blast (from rapid combustion)."*
- In March 1999, School 10 on Mercer and Warren streets in Paterson was evacuated twice in one week after students and staff members were exposed to toxic fumes that fire officials suspect came from one of many local chemical companies. Six months earlier 1,000 gallons of nitric acid were released across from the school by Brown Chemical Co., forcing 1,050 student to be kept inside the building with the windows shut. Five years earlier, a 2,000-pound nitric acid leak from the facility forced the school to be evacuated.

<sup>5</sup> *Fighting Childhood Asthma* by Julie Fields, Bergen Record, March 2, 1999.

<sup>6</sup> *School Haze: Air Pollution Near California Schools*, Bill Walker and Marshall Hendricks, Environmental Working Group, 1998.



In Clifton, where seven percent of the population is non-white and where eight percent of the city's children live in poverty, approximately 9,000 students attend school in close proximity to one or more of 72 industrial facilities storing or emitting to the air toxic chemicals.<sup>7</sup> Among the city's top five industrial air emitters, the average number of children attending school within one mile is 1,617. (See Table I.)

Thus, the burden of industrial facilities in relation to the number of students appears greater in Paterson than in Clifton. This is true despite the fact that there are more industrial facilities per student in Clifton than in Paterson – approximately one for every 125 students in Clifton and one for every 250 in Paterson.

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<sup>7</sup> US Bureau of Census

## Findings

WEC plotted the distance between schools in Paterson and Clifton and industrial facilities storing or emitting toxic chemicals. The following observations can be made about the results:

- **The biggest air polluters in Paterson and Clifton operate in close proximity to many public schools.** WEC used U.S. EPA's Toxics Release Inventory (TRI) to determine facilities emitting toxic chemicals into the air. Clifton and Paterson were chosen as sites for this study, in part, because eight of Passaic County's top 10 air polluters were located in Paterson (three) or Clifton (five). The combined total of air emissions released from these facilities in 1998, the most recent year for which data is available, was 270,229 pounds. Paterson and Clifton were also examined because, between them, they are home to 170 industrial facilities that store large quantities of hazardous chemicals.

**TABLE I**  
**Top Air Polluters**  
**in Clifton**

	<b>Industrial Facility</b>	<b>Address</b>	<b>Total 1998 Releases</b>	<b># Schools within 1 Mile<sup>8</sup></b>	<b>Enrollment Clifton/Paterson</b>
1	Hoffman LaRoche <sup>9</sup>	340 Kingsland St.	38,426	7	301
2	Alpha Processing Co., Inc.	210 Delawanna Ave.	33,927	4	203
3	Delatex Processing Corp.	210 Delawanna Ave.	21,496	4	203
4	Lamart Corp.	16 Richmond Ave.	16,321	7	3,856
5	Alfred Heller Heat Treating	5 Wellington St.	11,375	7	3,522

**Average Enrollment of Nearby Schools:**

**1,617**

An example of an industrial facility operating at close range to schools is Alpha Processing in Clifton. There are approximately 76 public schools located within a four-mile radius of Alpha Processing. Four schools are within a mile of the facility, including one in Clifton, two in Rutherford and one in Passaic. The Clifton school, Elementary School 8 (located at 41 Oak Street), has an enrollment of 675 children.

Over the three most recent years for which data is available, Alpha Processing released 120,997 pounds of toxic chemicals into the air. According to the facility's own reports to the New Jersey Department of Environmental Protection, Alpha's daily inventory of chemicals stored on site includes 1,000-10,000 pounds of Methyl Chloroform (1,1,1-Trichloroethane), as well as xylene and titanium dioxide.

This facility released 13,949 pounds of Methyl Chloroform (1,1,1-Trichloroethane) into the air in 1997. Exposure to this chemical can cause an array of harmful health effects, including eye and skin irritation, headaches, dizziness and light-headedness. Acute exposures can cause

<sup>8</sup> Schools include those in Clifton, as well as Paterson.

<sup>9</sup> The Hoffman LaRoche facility is located in both Clifton (Passaic County) and Nutley (Essex County).

irregular heartbeats and even coma. Long-term effects include genetic mutations, and damage to the liver and kidneys.<sup>10</sup>

In Paterson, examples of schools in the shadow of polluting facilities also abound. For example, Crown Roll Leaf, Passaic County's top polluter during each of the past three years for which data is available, is located within a one-mile radius of nine public schools – six in Paterson and three in Clifton – with a total enrollment of 5,628 children. In 1998, the facility released 27,944 pounds of methyl ethyl ketone.

Repeated exposure to this chemical can damage the nervous system and may affect the brain. Effects may include reduced memory and concentration. Acute exposure can result in burning eyes and skin irritation, and respiratory ailments.<sup>11</sup>

Three schools are less than a half-mile from Crown Roll Leaf. One school – School 25, which is attended by 758 children – is .2 miles away. During the past three years, this company has reported air emissions totaling 182,332 pounds – more than 50,000 pounds per year. Crown Roll Leaf has also reported storing on site more than 10,000 pounds each of a variety of hazardous chemicals, including toluene, methyl ethyl ketone, and acetone.

**TABLE II**  
**Top Air Polluters**  
**in Paterson**

Industrial Facility	Address	Total 1998 Releases	# Schools within 1 Mile	Enrollment
1 Crown Roll Leaf	91 Illinois Ave.	59,532	9	5,628
2 Morton (now Rohm & Haas)	335 Mclean Blvd.	48,063	5	3,326
3 Facile Holdings Inc.	4-22 Erie Street	41,089	10	5,654
4 Kramer Chemicals Inc.	100 Sixth Ave.	3,973	10	5,654
5 Empire Industries	195 River Street	900	18	9,523

**Average Enrollment of Nearby Schools:**

**5,957**

- **Virtually every school in Paterson and Clifton is near a significant source of industrial air pollution or a facility storing large quantities of hazardous chemicals.** In addition, every school in these cities is less than a mile from one or more industrial facilities storing more than 10,000 pounds of chemicals. In Paterson, School 20 is only .2 miles from Heterene Chemical Co., which has been indicted for a chemical release in June 1998 that forced the evacuation of the school and sent more than 50 students and school personnel to area hospitals. But the school is also only .3 miles from The Okonite Co., Inc., which stores large quantities of polychlorinated biphenals (PCBs), trichloroethane, propane, and heavy metals such as lead and copper. And School 20 is just .8 miles from Crown Roll Leaf, the county's biggest air polluter.

<sup>10</sup> New Jersey Department of Health and Senior Services, *Hazardous Substance Fact Sheet*, September, 1996.

<sup>11</sup> Ibid

Two schools in Clifton and two in Paterson are typical of this trend. (See Table III.) In Paterson, five facilities are located within less than half a mile of Public School 13. Not far away, Public School 9 is nearly surrounded on all sides by nine facilities all within 1 mile. In fact, of those 9 facilities, all but one is within a half mile of the school. One facility, SmithKline Beecham, has 26 chemical substances that have a daily inventory range of 1,000 pounds or more.

**TABLE III: Sample Schools in Paterson and Clifton**

**Public School 9, Paterson**

NUMBER OR LETTER	FACILITY NAME	MILES FROM SCHOOL
3	Pariser Industries (Corp.)	.1
5	Accurate Molding & Mfg. Corp.	.1
63	G. Lutjens Co. Inc.	.1
75	Andarn Electro Service Inc.	.2
4	Como Textile Prints Inc.	.3

**Public School 13, Paterson**

NUMBER OR LETTER	FACILITY NAME	MILES FROM SCHOOL
27	Carlos Shaparro	.1
8	Autobody Jobbers Warehouse Inc.	.2
40	Arrow Steel Inc.	.2
67	Spectrachem Corp.	.2
78	Mr. Kim	.2

**Public School 9, Clifton**

NUMBER OR LETTER	FACILITY NAME	MILES FROM SCHOOL
1	Aromac Inc.	.1
2	E M Sergeant Pulp & Chemical Co. Inc.	.1
4	Scher Chemicals Inc.	.2
11	UTZ Engineering Inc.	.2
55	Red Star Bioproducts	.2
3	Atlantic Casting & Engineering Corp.	.3
D	SmithKline Beecham Corp.	.3
49	Teledne Metalworking Products	.5
47	E I Du Pont De Nemours & Co. Inc.	.9

**Public School 13, Clifton**

NUMBER OR LETTER	FACILITY NAME	MILES FROM SCHOOL
22	Clifton Machinery & Supply Co. Inc.	.0
20	Missbrenner Mfg. Inc.	.2
19	S S T Corp. - NJ Corp. -	.3
21	Dikeman Laminating Corp.	.3
23	Charm Drive-In Cleaners Inc.	.4

- **Many schoolchildren and school personnel are exposed to a potent blend of airborne chemicals – a “toxic stew” of ubiquitous pollutants.** These exposures, while sometimes sudden, more often occur at lower, everyday levels – but over long periods of time. According to mounting medical research, many of these chemicals can trigger asthma and other respiratory ailments, as well as developmental disabilities.

The chemicals used by these facilities vary. However, the quantities are all such that they fall within the definition of “large quantities” used. Although the health hazards of these toxic substances vary in severity, all are potentially hazardous and some are extremely hazardous.

Of particular concern are airborne chemicals and other substances that can cause cancer. According to the EPA’s Cumulative Exposure Project, residents of Passaic county – including Clifton and Paterson – are exposed to at least 18 airborne pollutants at unacceptable levels for cancer risk.<sup>12</sup>

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<sup>12</sup> A full description of EPA’s Cumulative Exposure Project can be viewed on-line at: <http://www.epa.gov/oppeccum/air/air.htm>. Details of CEP estimates of air toxics levels for Passaic County, NJ can be viewed at: <http://www.state.nj.us/dep/airmon/airtoxics/pasest.htm>.

## Conclusions and Recommendations

Surrounded by chemicals, citizens in Paterson and Clifton deserve better: a clean environment, safe workplaces and a healthy environment for schoolchildren. But given how flawed the regulatory system is in so many ways, and how unlikely industry is to voluntarily initiate positive environmental change, there is no single, all-encompassing solution. But a series of practical reforms could, if supported by the citizenry of these cities, make the system safer.

In light of the findings detailed in this report, WEC is making a number of specific recommendations:

1. **Industrial facilities operating near schools should hold annual public meetings to discuss hazard prevention strategies with parents, school personnel, local unions and local media.** Neighbors – especially schools – have a right to know what hazardous chemicals are being stored or released to the air. They also have a right to know about the potential negative health effects of exposures. Moreover, they have a right to be part of – and if necessary, initiate -- hazard prevention strategies.
2. **The New Jersey Chemical Industry Council (CIC), which represents 105 member companies in the chemical process industry, should contact all private sector facilities using extremely hazardous chemicals – including non-member facilities -- to encourage these public meetings with parents and school personnel.** CIC, for decades an apologist for facilities brazenly polluting the New Jersey air, needs to play a leadership role in the transition of the chemical manufacturing sector to cleaner processes. CIC should work to instill in members basic public health concerns. These concerns are akin to the Hippocratic oath that says physicians, before acting, should “first, do no harm.” Too often CIC has acted as the protector of an antithetical approach, which holds that the first obligation of the industry is to keep chemicals on the market and minimize regulatory oversight, despite potential health risks.
3. **In cooperation with school science classes and teachers’ unions, school districts should develop and support programs that enable schoolchildren and school personnel to monitor storage and air emissions of chemicals at nearby industrial facilities.** Such programs could make use of electronic data available on-line through the U.S. Environmental Protection Agency ([www.epa.gov](http://www.epa.gov)) or through nonprofit organizations such as Environmental Defense ([www.scorecard.org](http://www.scorecard.org)).

Similar programs are now being implemented in selected Newark schools, in partnership with the Greater Newark Conservancy.<sup>13</sup>

If parents, teachers or other school personnel suspect hazardous conditions emanating from nearby facilities, they should be encouraged to utilize rights provided under Passaic County’s Resolution 35, which allows them to petition the County Health Officer to initiate enforcement activity, including an inspection of the facility and meetings with concerned neighbors. Since the regulatory system has failed to protect our children, this law allows citizens to take action to protect their own public health – an important right given the failure of traditional enforcement in New Jersey and across the country.

<sup>13</sup> Student-participants in the EPA-funded Air CURRENTS project use state-of-the-art portable air monitors and specialized software to monitor air toxics. For more information, see [http://www.epa.gov/epahome/other2\\_0525.htm](http://www.epa.gov/epahome/other2_0525.htm).

4. **The NJ Department of Environmental Protection should require facilities to provide nearby schools with early notice of the permit application for construction of new industrial facilities, or renewal of permits for existing facilities.** In Paterson and Clifton, parents and school personnel have a right to be part of a discussion about industrial operations that will potentially affect their health and the health of their children.
5. **Facilities in Clifton and Paterson reporting annual air emissions of more than 10,000 pounds of chemicals, should reduce those releases by 50 percent or more over a two-year period – and facilities should hire additional employees, if necessary, to ensure that operations are properly maintained and monitored.**
6. **Governor Whitman should direct the DEP to install air pollution monitors on-site at selected schools in Paterson and Clifton.** These monitors should be comparable to three monitors scheduled to be situated in New Brunswick, Elizabeth and Chester (Morris County) that check for 50 different toxic chemicals. By implementing this recommendation, Governor Whitman would be making the protection of children's health a high priority.

## Methodology

WEC developed a list of facilities emitting or storing hazardous chemicals, and then ranked schools by proximity to the sources. WEC examined several databases, including:

- U.S. EPA's Toxics Release Inventory (TRI) emissions data;
- New Jersey Environmental Protection's Right to Know survey data; and
- NJ DEP's list of facilities regulated by the Toxic Catastrophe Prevention Act (TCPA), which includes approximately 160 facilities in New Jersey storing large quantities of "extraordinarily" hazardous chemicals.<sup>14</sup>

WEC then cross-referenced environmental data with school location and enrollment data. WEC calculated the distance of schools from industrial facilities, estimating the number of children potentially affected. Finally, by also looking at other demographic data available from the US Bureau of Census, WEC was able to draw conclusions about the relative burden of toxic exposures to schoolchildren in Paterson and Clifton.

The U.S. EPA's Toxics Release Inventory (TRI) lists air emissions reported by the industrial facilities themselves. Reporting facilities include those that conduct manufacturing operations, have 10 or more full-time employees, or manufacture or process more than 25,000 pounds or otherwise use more than 10,000 pounds of any listed chemical during the calendar year. Note that TRI limitations include the fact that it does not:

- cover all toxic chemicals (roughly 650 of 70,000 chemicals in industrial use);
- require reporting from all industries that pollute, such as solid waste incinerators; and
- require reporting of actual worker or neighbor exposures.<sup>15</sup>

The DEP's Right to Know survey form includes information about the storage, use, emission and disposal of toxic chemicals.<sup>16</sup>

The TCPA includes information about the storage and potential accidental release of "extraordinarily" hazardous substances. It requires regulated facilities to develop and submit for public disclosure Risk Management Plans.<sup>17</sup>

Among other elements, Risk Management Plans are required to include

- ☞ an "offsite consequence analysis," which estimates the community impact of "worst-case scenario" and "alternative scenario" (more likely) chemical releases;
- ☞ five-year history of accidental chemical releases;
- ☞ a prevention program;
- ☞ and emergency response program.

<sup>14</sup> NJ DEP defines an "extraordinarily" substance as one that, if accidentally released, can potentially "produce a significant likelihood that persons exposed may suffer acute health effects resulting in death or permanent disability."

<sup>15</sup> *The Toxics Release Inventory (TRI)*, WEC Fact Sheet, 1999.

<sup>16</sup> Worker and Community Right to Know Act, NJ Department of Health and Senior Services.

<sup>17</sup> A list of chemicals regulated by the NJ TCPA is available from the NJ DEP web site ([www.state.nj.us/dep/enforcement/relprev/tcpa/ehlist.html](http://www.state.nj.us/dep/enforcement/relprev/tcpa/ehlist.html)).



**APPENDIX 1**  
**Facilities Reporting Air Emissions or Storage of Toxic Substances**  
**City of Paterson**

<b>NUMBER OR LETTER</b>	<b>FACILITY NAME</b>
1	Separate Sanitary Laundry
2	Kelmachine
3	Pariser Industries (Corp.)
4	Como Textile Prints Inc.
5	Accurate Molding & Mfg Corp
6	Krystinel Corporation
7	G & H Metal Finishers, Inc.
8	Autobody Jobbers Warehouse Inc.
9	LDL Technology Inc.
10	Independence Plating Corp.
11	Homestake Chemical Corporation
12	Rigo Industries Inc.
13	Power Battery Co., Inc.
14	Bell Atlantic, NJ Inc.
15	Atlantic Batter Corp.
16	Associated Rack Corp.
17	Chart Corp.
18	Lipo Chemicals Inc. New
19	Ultra Additives Incorporated
20	Craft Textile Printing Company Inc.
21	Dover Labs Inc.
22	Little Falls Alloys Inc.
23	T R B Electro Corp.
24	Annitti Enterprises Inc.
25	Al & John Inc.
26	Matprotech Inc.
27	Carlos Chaparro
28	James A. Gavin & Son (corp.)
29	Royal Industries Corp.
30	U.S. Postal Service
31	Glenro Inc.
32	E C O Color – Corp.
33	Manopco Inc.
34	Line Chemical Corp.
35	Bell Atlantic, NJ Inc.
36	H & B Petroleum Company
37	A & B Scrap Co. Corp.
38	Surf Action Organics Inc.
39	Atramax, Inc. (NJ Corp.)
40	Arrow Steel Inc.

41	Paterson Bleachery & Chemicals Inc.
42	Nu-Tronic Circuit Co., Corp.
43	Vivitone Inc.
44	Tiffany Extruders Inc.
45	Elevator Entrances Inc.
46	Chamberlin Cleaners
47	Ahart Chemical Co. Inc.
48	Sun Metal Finishing Inc.
49	Paterson Laundry & Dye Company
50	Poughkeepsie Finishing Corp.
51	Associated Diamond Products Inc.
52	Public Service Electric & Gas Co.
53	Calcine Corporation
54	Sealy Mattresses Co. of New Jersey Corp.
55	Jersey Chemicals Inc.
56	Cardinal Color & Chemical Inc.
57	Thorn Inc.
58	The Wood Press Inc.
59	Polaris Plating Inc.
60	Kramer Chemicals Inc.
61	St. Joseph's Hospital & Medical Center
62	Filmco Industries, Inc.
63	G. Lutjens Co. Inc.
64	K C Dry Cleaning Inc.
65	Sterling Window Co. L.L.C.
66	Teva Pharmaceuticals USA
67	Whitney Rand Manufacturing Corp.
68	Elevator Cabs Inc.
69	Power Auto & Truck
70	Power Battery Company Inc.
71	Daicolor Pope Inc.
72	Doo Nam Kim
73	Fabricolor Inc. New <sup>18</sup>
74	Chemlon Packaging
75	Andarn Electro Service Inc.
76	B M I Holdings Inc.
77	Autobody Jobbers Warehouse Inc.
78	Mr. Kim
A	Crown Roll Leaf, Inc.

<sup>18</sup> According to Fabricolor's Risk Management Plan, submitted last year to EPA, "the worst-case release (WCR) involves the release of 20,000 lbs. of 20% oleum from the sulfonation reactor; the rate of emission to the environment would be limited by the building enclosure, resulting in an endpoint distance of 0.19 mile. One school (P. S. 2) is within this distance, as well as a city park/recreation area across the street from the plant." The company reported that the above information has been presented to the Director of the Paterson Office of Emergency Management (OEM).

B	The Okonite Co., Inc.
C	Morton International Inc.
D	National Rack Co.
E	Coughlan Products Corp.
F	Fabricolor Mfg. Corp.
G	Empire Industries Inc.
H	Trio Dyeing & Finishing Company Inc.
I	Spectrachem Corp.
J	Galaxie Chemical Corp.
K	Champion Dyeing and Finishing Company
L	Zenith Dyeing & Finishing Corp.
M	Daicolor-Pope, Inc.
N	Facile Holdings Inc.
O	Dominion Color Corporation
P	Kirker Enterprises Inc.
Q	Mona Industries, Inc.
R	Perennial Print Corp.
S	Heterene Chemical Co. Inc.
T	Brown Chemical Co., Inc.

**APPENDIX 2  
PATERSON SCHOOLS**

Al-Huda School 154 Ellison St Paterson, NJ (973) 742-7474

Blessed Sacrament School 277 6th Ave Paterson, NJ (973) 278-8787

Dale Avenue Elementary School 21 Dale Ave Paterson, NJ (973) 881-6208

Dawn Treader Christian School 1 Market St Paterson, NJ (973) 345-6668

Eastside High School 150 Park Ave Paterson, NJ (973) 881-6300

Edward W Kilpatrick School Summer & Ellison Sts Paterson, NJ (973) 881-6149

Gilmore Memorial Christian 131 Haledon Ave Paterson, NJ (973) 790-9110

Great Grace Church School 6 Barnes St Paterson, NJ (973) 881-1311

John F Kennedy High School 61-127 Preakness Ave Paterson, NJ (973) 881-6274

King Elementary School 823 E 28th St Paterson, NJ (973) 881-6140

Madison Avenue Baptist Church 900 Madison Ave Paterson, NJ (973) 279-5800

*Martin L King Jr School 851 E 28th St Paterson, NJ (973) 881-6139*

Norman S Weir School 152 College Blvd Paterson, NJ (973) 881-6109

Our Lady Of Lourdes 186 Butler St Paterson, NJ (973) 278-0164

Paterson Catholic High School 764 11th Ave Paterson, NJ (973) 278-1024

Paterson Community Christian 535 Broadway Paterson, NJ (973) 742-9119

Paterson School 2 22 Passaic St Paterson, NJ (973) 881-6001

Paterson School 3 448 Main St Paterson, NJ (973) 881-6006

Paterson School 4 55 Clinton St Paterson, NJ (973) 881-6010

Paterson School 5 430 Totowa Ave Paterson, NJ (973) 881-6019

Paterson School 6 137 Carroll St Paterson, NJ (973) 881-6028

Paterson School 7 106 Ramsey St Paterson, NJ (973) 881-6038

Paterson School 8 35 Chadwick St Paterson, NJ (973) 881-6042  
Paterson School 9 9 Getty Ave Paterson, NJ (973) 881-6046  
Paterson School 10 49 Mercer St Paterson, NJ (973) 881-6051  
Paterson School 11 350 Market St Paterson, NJ (973) 881-6057  
Paterson School 12 121 N 2nd St Paterson, NJ (973) 881-6061  
Paterson School 13 690 E 23rd St Paterson, NJ (973) 881-6067  
Paterson School 14 522 Union Ave Paterson, NJ (973) 881-6072  
Paterson School 15 98 Oak St Paterson, NJ (973) 881-6077  
Paterson School 16 11 22nd Ave Paterson, NJ (973) 881-6082  
Paterson School 17 112 N 5th St Paterson, NJ (973) 881-6086  
Paterson School 18 51 E 18th St Paterson, NJ (973) 881-6090  
Paterson School 19 31 James St Paterson, NJ (973) 881-6094  
Paterson School 20 500 E 37th St Paterson, NJ (973) 881-6098  
Paterson School 21 322 10<sup>th</sup> Ave Paterson, NJ (973) 881-6103  
Paterson School 24 50 19th Ave Paterson, NJ (973) 881-6111  
Paterson School 25 287 Trenton Ave Paterson, NJ (973) 881-6116  
Paterson School 26 E 32nd St & 11<sup>th</sup> Ave Paterson, NJ (973) 881-6121  
Paterson School 28 2 Temple St Paterson, NJ (973) 881-6131  
Paterson School 29 88 Danforth Ave Paterson, NJ (973) 881-1222  
Paterson School District 33 Church St Paterson, NJ (973) 881-6213  
Paterson Schools Board Of Ed 33 Church St Paterson, NJ (973) 881-6000  
Public School 27 250 Richmond Ave Paterson, NJ (973) 881-6126  
Roberto Clemente School 434 Graham Ave Paterson, NJ (973) 881-6157  
Rosa Parks High School 413 12th Ave Paterson, NJ (973) 881-6351

Sage School 151 Ellison St Paterson, NJ (973) 881-6341  
(Silk City 2000 Academy)

St Anthony's School 144 Beech St Paterson, NJ (973) 279-3510

St George School 30 Michigan Ave Paterson, NJ (973) 684-6754

St Gerard Elementary School 10 Carrelton Dr Paterson, NJ (973) 595-5640

St Mary's Grammar School 95 Sherman Ave Paterson, NJ (973) 956-1542

St Therese's School 765 14th Ave Paterson, NJ (973) 278-4135

True Vine Christian Academy 52 Clinton St Paterson, NJ (973) 942-6704

\* NOTE: Underlined schools are private schools and do not appear on map.

**APPENDIX 3**  
**Facilities Reporting Air Emissions or Storage of Toxic Substances**  
**City of Clifton**

NUMBER OR LETTER	FACILITY NAME
1	Aromac Inc.
2	E M Sergeant Pulp & Chemical Co. Inc.
3	Atlantic Casting & Engineering Corp.
4	Scher Chemicals Inc.
5	Wiggins Plastics Inc.
6	ITT Corporation, Avionics Division
7	Fuji Hunt Photographic Chem., Inc.
8	Union Camp Corp.
9	Whatman Reeve Angel Inc.
10	Scandia Packaging Machinery Co., Corp.
11	UTZ Engineering, Inc.
12	Harcos Chemicals
13	Bell Atlantic, NJ Inc.
14	The Terre Company of NJ Inc.
15	Sherwin Williams Diversified Brands
16	Givaudan-Roure Corporation
17	Passaic Adhesive and Chemical Co., Inc.
18	Synthetic Surfaces, Inc.
19	S S T Corp. – NJ Corp.
20	Missbrenner Mfg. Inc.
21	Dikeman Laminating Corp.
22	Clifton Machinery & Supply Co. Inc.
23	Charm Drive-in Cleaners Inc.
24	Great Lakes Paper Company
25	Sealtronics, Inc.
26	Capitol Soap Corp.
27	Paragon Household Products Inc.
28	Pacquet Oneida Inc.
29	Swepeco Tube Corporation – New
30	The Black Prince Distillery Inc.
31	Spaulding Fibre Company Inc.
32	Apec Millwork
33	Classic Printing Co. Corp.
34	Park Stein, Inc.
35	A G L Welding Supply Co.
36	Public Service Electric & Gas Co.
37	Metalix Inc.
38	International Veiling Corporation
39	Alco Sheet Metal Fabricators, Inc.
40	Peters Service Center Inc.

41	Recycled Paperboard Inc. of Clifton
42	Denman & Davis
43	Rempac Foam Corp.
44	Var-Chem Products Inc.
45	Demattio Inc.
46	A D V Manufacturing Inc.
47	E I Du Pont De Nemours & Co. Inc.
48	Greater New York Box
49	Teledyne Metalworking Products
50	F & S Coating Co. Inc.
51	Don-Vin Inc.
52	Dailcolor Pope Inc.
53	Sandy-Alexander Inc.
54	Smith Apple Printing, Inc.
55	Red Star Bioproducts
56	Multi Tech Inc.
57	Green A Lawn
58	We Care Cleaners Inc.
59	Coughlan Products Corp.
60	Register Lithographers Ltd.
61	Inx International Ink Company – Corp.
62	Bell Atlantic, NJ Inc.
A	Hoffman-La Roche Inc.
B	Rycoline Products Inc.
C	Crompton & Knowles Colors Inc.
D	Smith-Kline Beecham Corp.
E	Delatex Processing Corp.
F	Alpha Processing Co., Inc.
G	Duro-Test Corp.
H	Lamart Corp.
I	Alfred Heller Heat Treating Co. Corp.
J	Safas Corporation



#### APPENDIX 4 CLIFTON SCHOOLS

**Broad Street Children's Acad 810 Broad St Clifton, NJ (973) 773-3795**

Christopher Columbus Middle 350 Piaget Ave Clifton, NJ (973) 470-2360

Clifton Elementary School 1 158 Park Slope Clifton, NJ (973) 470-2370

Clifton Elementary School 2 1270 Van Houten Ave Clifton, NJ (973) 470-2380

Clifton Elementary School 3 365 Washington Ave Clifton, NJ (973) 470-2390

Clifton Elementary School 4 194 W 2nd St Clifton, NJ (973) 470-2382

Clifton Elementary School 5 136 Valley Rd Clifton, NJ (973) 470-2386

Clifton Elementary School 8 41 Oak St Clifton, NJ (973) 470-2393

Clifton Elementary School 9 25 Brighton Rd Clifton, NJ (973) 470-2396

Clifton Elementary School 11 147 Merselis Ave Clifton, NJ (973) 470-2401

Clifton Elementary School 12 165 Clifton Ave Clifton, NJ (973) 470-2404

Clifton Elementary School 13 782 Van Houten Ave Clifton, NJ (973) 470-2410

Clifton Elementary School 14 99 Saint Andrews Blvd Clifton, NJ (973) 470-2411

Clifton Elementary School 15 700 Gregory Ave Clifton, NJ (973) 470-2418

Clifton Elementary School 16 755 Grove St Clifton, NJ (973) 470-2420

Clifton High School 333 Colfax Ave Clifton, NJ (973) 470-2312

Diocese Of Paterson Schools 777 Valley Rd Clifton, NJ (973) 777-8818

Pope John Paul II School 775 Valley Rd Clifton, NJ (973) 458-9282

Rainbow Montessori School 22 Varettoni Pl Clifton, NJ (973) 772-2330

Sacred Heart School 43 Clifton Ave Clifton, NJ (973) 546-9863

St Andrew's School 418 Mount Prospect Ave Clifton, NJ (973) 473-3711

St Brendan's Rc School 154 E 1st St Clifton, NJ (973) 772-1149

St Clare School 39 Allwood Rd Clifton, NJ (973) 777-7582

St John Kanty Elementary Schl 37 Speer Ave Clifton, NJ (973) 773-8090

St Paul's School 1255 Main Ave Clifton, NJ (973) 546-2161

Woodrow Wilson Middle School 1400 Van Houten Ave Clifton, NJ (973) 470-2350

\* NOTE: Underlined schools are private schools and do not appear on map.

**APPENDIX 5****MAP KEY**

<b>COLOR</b>	<b>#S OR ALPHA</b>	<b>FACILITY OR SCHOOL</b>
Red	Numbers	Information from DEP – TCPA.
Neon Red	Letters	Information from DEP – Form Rs.
Blue	Same # given by county (or full name)	Schools

## APPENDIX 6 MAPPING GUIDE

The mapping information contained in the binders accompanying this report (and available for review, upon request) was retrieved on the Internet using "Yahoo" as the resource guide and checked against maps of Paterson and Clifton. Below please find the information necessary to retrieve similar information should you decide to investigate additional facilities outside the city limits of Paterson or Clifton.

**Step One:**

Once connected to the Internet, enter the address for "Yahoo," which is <http://www.yahoo.com>.

**Step Two:**

At the "Yahoo" site, beneath the search option, several links and services are listed. Click on "Yellow Pages." The direct website address is <http://yp.yahoo.com>.

**Step Three:**

Click on "Change Location."

**Step Four:**

Click on "Search Near an Address." Enter the address of the facility. The zip code is not necessary if a city and state are provided.

**Step Five:**

In the area for the name or category, enter "public schools" or if you know the name of a specific school, enter the name. The results will lead you to page with "Beyond (the name of the city you entered)." For this reason, you will need to click on "Change Location" one more time.

**Step Six:**

Step 5 will return you to "Search Near an Address." Highlight the original address you entered and click on "Continue." Once you have done this a list of the nearest schools to the facility will appear with a mileage breakdown.

**APPENDIX 7  
SCHOOLS NEAR TOP POLLUTERS**

**CLIFTON**

**HOFFMAN LAROCHE**

340 KINGSLAND AVENUE, NUTLEY/CLIFTON

<b>SCHOOL</b>	<b>ADDRESS</b>	<b>CITY</b>	<b>MILES</b>
Spring Garden School	59 S Spring Garden Ave	Nutley, NJ	0.3
Yantacaw Elementary School 20	20 Yantacaw Pl	Nutley, NJ	0.5
Franklin Middle School	325 Franklin Ave	Nutley, NJ	0.8
Radcliffe Elementary School	379 Bloomfield Ave	Nutley, NJ	0.9
Nutley High School	300 Franklin Ave	Nutley, NJ	0.9
Oak View Elementary School 11	50 Garrabrant Ave	Bloomfield, NJ	1.0
Clifton Elementary School 9	25 Brighton Rd	Clifton, NJ	1.0

**ALPHA PROCESSING and DELATEX**

210 Delawanna Avenue

<b>SCHOOL</b>	<b>ADDRESS</b>	<b>CITY</b>	<b>MILES</b>
Clifton Elementary School 8	41 Oak Street	Clifton, NJ	0.2
Lincoln School	414 Montross Ave.	Rutherford, NJ	0.8
Union School	359 Union Avenue	Rutherford, Nj	0.9
Mario J. Drago School 3	18 Belmont Place	Passaic, NJ	1.0

**LAMART CORP.**

16 Richmond Avenue

<b>SCHOOL</b>	<b>ADDRESS</b>	<b>CITY</b>	<b>MILES</b>
Clifton Elementary School 4	194 W 2 <sup>nd</sup> St	Clifton, NJ	0.2

Paterson School 9	6 Timothy Street	Paterson, NJ	0.4
Clifton Elementary School 1	158 Park Slope	Clifton, NJ	0.4
Clifton Elementary School 5	136 Valley Rd	Clifton, NJ	0.7
Christopher Columbus Middle School	350 Piaget Ave	Clifton, NJ	0.8
Paterson School 25	287 Trenton Avenue	Paterson, NJ	0.9
Clifton Elementary School 3	365 Washington Ave	Clifton, NJ	1.0

**ALFRED HELLER HEAT TREATING**  
5 Wellington Street

<b>SCHOOL</b>	<b>ADDRESS</b>	<b>CITY</b>	<b>MILES</b>
Clifton Elementary School 1	158 Park Slope	Clifton, NJ	0.3
Clifton Elementary School 11	147 Merselis Ave	Clifton, NJ	0.3
Christopher Columbus Middle School	350 Piaget Ave	Clifton, NJ	0.3
Clifton Elementary School 4	194 W 2 <sup>nd</sup> St	Clifton, NJ	0.7
Clifton Elementary School 3	365 Washington Ave	Clifton, NJ	0.8
Paterson School 12	165 Clifton Ave	Clifton, NJ	0.8
Paterson School 25	287 Trenton Avenue	Paterson, NJ	0.9

**PATERSON**

**Crown Roll Leaf**  
91 Illinois Avenue

<b>SCHOOL</b>	<b>ADDRESS</b>	<b>CITY</b>	<b>MILES</b>
Paterson School 25	287 Trenton Avenue	Paterson, NJ	0.2
Paterson School 9	6 Timothy Street	Paterson, NJ	0.4

Paterson School 16	11 22 <sup>nd</sup> Avenue	Paterson, NJ	0.7
Clifton Elementary School 4	194 W 2 <sup>nd</sup> St	Clifton, NJ	0.7
Martin Luther King Elementary School	851 East 28 <sup>th</sup>	Paterson, NJ	0.8
Paterson School 20	500 East 37 <sup>th</sup> Street	Paterson, NJ	0.8
Paterson School 24	50 19 <sup>th</sup> Ave	Paterson, NJ	0.9
Clifton Elementary School 1	158 Park Slope	Clifton, NJ	1.0
Clifton Elementary School 11	147 Merselis Ave	Clifton, NJ	1.0

**MORTON (now Rohm & Haas)**  
335 Mclean Blvd.

<b>SCHOOL</b>	<b>ADDRESS</b>	<b>CITY</b>	<b>MILES</b>
Paterson School 20	500 East 37 <sup>th</sup> Street	Paterson, NJ	0.3
Gilbert Avenue School	151 Gilbert Ave	Elmwood Park, NJ	0.6
Martin Luther King	851 East 28 <sup>th</sup>	Paterson, NJ	0.7
Paterson School 25	287 Trenton Avenue	Paterson, NJ	0.9
Paterson School 24	50 19 <sup>th</sup> Ave	Paterson, NJ	1.0

**FACILE HOLDINGS**  
4-22 Erie Street

<b>SCHOOL</b>	<b>ADDRESS</b>	<b>CITY</b>	<b>MILES</b>
Paterson School 10	48 Mercer Street	Paterson, NJ	0.4
Paterson School 18	51 E 18 <sup>th</sup> Street	Paterson, NJ	0.6
Paterson School 12	121 N 2 <sup>nd</sup> Street	Paterson, NJ	0.6
Prospect Park School	94 Brown Avenue	Prospect Park, NJ	0.7
Washington School	176 Mohawk Ave	Hawthorne, NJ	0.8

Paterson School 21	21 Madison Ave	Paterson, NJ	0.8
Paterson School 17	112 N 5 <sup>th</sup> Street	Paterson, NJ	0.9
Paterson School 4	55 Clinton Street	Paterson, NJ	0.9
Paterson School 6	137 Carroll Street	Paterson, NJ	1.0
Paterson School 28	2 Temple Street	Paterson, NJ	1.0

**KRAMER CHEMICALS INC.**  
100 Sixth Avenue

<b>SCHOOL</b>	<b>ADDRESS</b>	<b>CITY</b>	<b>MILES</b>
Paterson School 10	48 Mercer Street	Paterson, NJ	0.5
Paterson School 12	121 N 2 <sup>nd</sup> Street	Paterson, NJ	0.5
Prospect Park School	94 Brown Avenue	Prospect Park, NJ	0.6
Washington School	176 Mohawk Ave	Hawthorne, NJ	0.7
Paterson School 18	51 E 18 <sup>th</sup> Street	Paterson, NJ	0.7
Paterson School 17	112 N 5 <sup>th</sup> Street	Paterson, NJ	0.8
Paterson School 4	55 Clinton Street	Paterson, NJ	0.9
Paterson School 21	21 Madison Ave	Paterson, NJ	0.9
Paterson School 28	2 temple Street	Paterson, NJ	1.0
Paterson School 6	137 Carroll Street	Paterson, NJ	1.0

**EMPIRE INDUSTRIES, INC**  
195 River Street

<b>SCHOOL</b>	<b>ADDRESS</b>	<b>CITY</b>	<b>MILES</b>
Paterson School 4	55 Clinton Street	Paterson, NJ	0.3



Norman S. Weir School	152 College Blvd	Paterson, NJ	0.4
Paterson School 12	121 N 2 <sup>nd</sup> Street	Paterson, NJ	0.4
Paterson School 17	112 N 5 <sup>th</sup> Street	Paterson, NJ	0.5
Paterson School 6	137 Carroll Street	Paterson, NJ	0.5
Paterson School 10	48 Mercer Street	Paterson, NJ	0.5
Edward W. Kilpatrick School	Summer & Ellison	Paterson, NJ	0.5
Paterson School 28	200 Temple Street	Paterson, NJ	0.6
Paterson School 14	522 Union Ave	Paterson, NJ	0.7
Dale Avenue Elementary	21 Dale Avenue	Paterson, NJ	0.7
Paterson School 11	350 Market Street	Paterson, NJ	0.7
Paterson School 2	22 Passaic Street	Paterson, NJ	0.7
Prospect Park School	94 Brown Avenue	Prospect Park, NJ	0.8
Paterson School 5	430 Totowa Ave	Paterson, NJ	0.8
Roberto Clemente	434 Graham Ave	Paterson, NJ	0.9
Paterson School 15	98 Oak Street	Paterson, NJ	1.0
Paterson School 3	448 Main Street	Paterson, NJ	1.0
Paterson School 13	690 East 23 <sup>rd</sup> Street	Paterson, NJ	1.0