Getting the Lead Out: Revising Lead Hazard Legislation to Reach Children in Poverty

Sara Outterson
INTRODUCTION

Eric has an I.Q. of fifty-one. He is in the second grade, but is unable to identify the letters of the alphabet or recognize his printed name. He cannot count. Matthew sits next to him in class. Matthew is eight years old and frequently has emotional outbursts. Although he is repeating the second grade, he is eight inches shorter than most of the students in his classroom. Both of these boys have elevated levels of lead in their blood, a condition shared by 8.6% of the children tested in their hometown of St. Louis, Missouri. These children have blood lead levels above ten micrograms per deciliter of blood, the Centers for Disease Control's threshold level for lead poisoning. Another statistic these children share is the presence of lead-based paint in forty-seven percent of their city's public schools.

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1 The author previously served as a teacher with Teach for America in St. Louis, Missouri. She taught several students similar to the ones profiled in this Note, but their names have been changed.


Humans have recognized lead as a toxin for thousands of years.\(^6\) Benjamin Franklin wrote about the “mischievous [e]ffect” of lead after observing the strange pain experienced by printing house apprentices working with lead type.\(^7\) Lead poisoning litigation began in the early twentieth century,\(^8\) and lead-based paint has been illegal for more than twenty-eight years.\(^9\) Despite the recognition of lead’s toxicity, childhood lead poisoning is still prevalent\(^10\) and costly.\(^11\) Without an appropriate legislative solution to truly confront this problem, childhood lead poisoning will continue to be a crisis in the twenty-first century. While strides have been made to pass legislation that better addresses childhood lead poisoning,\(^12\) more steps are needed so that fewer children experience developmental difficulties from this completely preventable condition.\(^13\)

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\(^6\) See Karla A. Francken, *Lead-Based Paint Poisoning Liability: Wisconsin Realtors, Residential Property Sellers, and Landlords Beware*, 77 MARQ. L. REV 550, 550 (1994) (discussing how the poet Nicander recognized lead’s toxicity in the second century B.C.); see also Ellen K. Silbergeld, *Preventing Lead Poisoning in Children*, 18 ANN. REV. PUB. HEALTH 187, 189 (1997) (stating that “[t]he toxicity of lead has been recognized for almost as long as this useful metal has been mined, smelted, and used by human societies.”). Some have even blamed the fall of the Roman Empire on lead’s detrimental effects. See The Franklin Institute Online, History’s Lead Story, http://www.fi.edu/brain/metals.htm #historyslead (last visited Apr. 15, 2007).

\(^7\) Letter from Benjamin Franklin to Benjamin Vaughn (July 31, 1786) reprinted in Francken, * supra* note 6, at 551-52 n.11. Franklin also describes the case of a family suffering from “[d]ry-[b]ellyach[e]” after habitually drinking rainwater contaminated by corroded lead roofs. *Id.*


In 1992, Congress passed the Residential Lead-Based Paint Hazard Reduction Act\(^{14}\) ("RLPHRA") with the goal of eliminating lead-based paint hazards in housing and educating the public about lead.\(^ {15}\) In the year 2000, the President’s Task Force on Environmental Health Risks and Safety Risks to Children predicted the end of lead-based paint hazards by 2010.\(^ {16}\) Yet, given the inadequacy of current lead poisoning legislation\(^ {17}\) and current rates of lead poisoning,\(^ {18}\) these predictions are implausible.

Today’s rates of lead poisoning among children in poverty are still too high.\(^ {19}\) This “silent epidemic”\(^ {20}\) could be cured if current legislation were strengthened and if the public were adequately informed about the causes and prevalence of lead poisoning.\(^ {21}\) The fundamental problem with this country’s approach to addressing lead poisoning is that current legislation does not effectively reach those populations most susceptible to lead poisoning. The courts are split as to whether children have standing to sue under current laws for lead exposure.\(^ {22}\) Parents with oral leases may not be informed of possible lead hazards.\(^ {23}\) Parents in poverty may be so concerned with finding affordable shelter that they fail to investigate the risks of lead poisoning.\(^ {24}\) Changes need to be made so that parents and

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\(^ {17}\) See infra Part II.

\(^ {18}\) Ctrs. for Disease Control & Prevention, Safeguarding the Public Health in the 21st Century (2003), http://www.cdccoalition.org/resources/CDCFactSheet.pdf (explaining that one million children under the age of six are currently affected by lead poisoning).

\(^ {19}\) See Meyer, supra note 4, at 2 (stating that 16.4% of children from low-income families suffer from blood lead levels greater than ten micrograms per deciliter).


\(^ {21}\) See id. at 279-84.

\(^ {22}\) Compare Mason ex rel. Heiser v. Morrisette, 403 F.3d 28, 30 (1st Cir. 2005) (holding that a minor does not have standing to sue under RLPHRA), with McCormick v. Kissel, 458 F.Supp.2d 944, 947 (S.D. Ind. 2006) (holding that a minor child does have standing to sue under RLPHRA).

\(^ {23}\) Requirements for Disclosure of Known Lead-Based Paint and/or Lead-Based Paint Hazards in Housing, 61 Fed. Reg. 9063, 9068 (Mar. 6, 1996).

children in poverty do not fall through the cracks and are adequately informed of possible lead hazards within their homes.\(^{25}\)

This Note suggests that the RLPHRA should be strengthened by: 1) giving all individuals who lived in a lead poisoned environment standing to sue, and 2) explicitly covering oral leases. Further, targeted environmental lead testing should be mandated in those areas with the most elevated lead poisoning rates. Finally, the elimination of lead poisoning will only be possible with effective regulation and community support.

In Part I, this Note examines lead poisoning and its harmful effects. Part II discusses past and present lead poisoning legislation from the 1971 Lead-Based Paint Poisoning Prevention Act to the 1992 RLPHRA. Part III considers more recent government actions that attempt to work more closely with communities to help them deal with lead hazards. Part IV analyzes the effectiveness of current lead poisoning prevention laws. The analysis focuses on recent efforts to sue for damages under RLPHRA and problems with collecting lead poisoning data. Part V focuses on legal and policy changes necessary to make the government's lead reduction goals a reality.

I. WHY IS LEAD A HAZARD?

A. How Is One Exposed?

People can be exposed to lead from water running through lead pipes,\(^{26}\) lead dust from lead paint, lead paint chips,\(^{27}\) soil contaminated by leaded gas exhaust,\(^{28}\) and a number of other environmental sources.\(^{29}\)

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\(^{25}\) See infra Part V for ideas on how to adequately reach those living in poverty.

\(^{26}\) See Beth Daley, Concerns Raised on Lead Levels; MWRA Study Cites Pipes in 4,500 Homes, BOSTON GLOBE, Nov. 17, 2005, at A1. The Environmental Protection Agency ("EPA") has recently encouraged (though not required) public schools and daycare centers to test the lead levels of their drinking water. See Use New EPA Toolkit to Help Get the Lead Out of Drinking Water, SCHOOL VIOLENCE ALERT, Vol. 12, No. 4, Apr. 1, 2006.


\(^{28}\) See Zimmerman, supra note 27, at 172 & n.34.

Soil is frequently contaminated in cities, and many parents do not realize that by permitting their children to play on an open lot they are inadvertently allowing their children to be exposed to lead. Children often


An estimated half of the residential lots in Omaha, Nebraska have lead contamination problems. Nancy Gaarder, Officials: Arsenic Not the Big Worry Lead is the More Serious Problem, Says the Head of the Douglas County Health Department, OMAHA WORLD-HERALD, Nov. 12, 2005, at 1B. Dallas has been dealing with lead contamination from factories for years. See Kathy Seward Northern, Battery and Beyond: A Tort Law Response to Environmental Racism, 21 WM. & MARY ENVTL. L. & POL’Y REV. 485, 511 (1997). Lead from factories and smelting plants frequently contaminates soil in cities. Michael Hawthorne, EPA Finds High Lead in Pilsen; Smelting Plant Agrees to Clean Up Property, 2 Neighboring Sites, CHI. TRIB., Sept. 9, 2005, at C1. David Johnson, who researches lead contaminated soil at the State University of New York at Syracuse, explained that “[i]f children in most urban areas get dirt in their mouths, they are going to get lead in their blood.” Id.

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As property owners rebuild, [Xavier University toxicology professor Howard] Mielke said they should cover lead-contaminated soil with at least a 6-inch layer of clean soil. “I certainly would like to see people come back into the city but I also want to make sure that the children are coming into a safe environment,” he said. “If the city isn’t safe for children, it isn’t safe for anyone.” Mielke said 14 percent of children citywide were being poisoned by lead before Katrina. According to the 2000 Census, there were 33,496 children under 5 years of age in New Orleans. In the inner city, the rate was much higher—20 percent to 30 percent. . . . Leaded gasoline, which is now illegal, and power sanding of lead-based paint are key soil contamination sources, said Mielke. To cover a built lot with soil, the average cost was $3,377 around November, he said. The average price to cover a vacant lot was approximately $2,600. Mielke said 40,000 properties in Orleans Parish
put non-food items in their mouths and are thus vulnerable to lead dust, lead paint chips, or soil.\textsuperscript{32}

Inhalation of lead dust or lead contaminated soil can also lead to lead poisoning.\textsuperscript{33} Children are most at risk from these hazards in houses where the lead-based paint is deteriorating or where the paint is being disturbed through renovation.\textsuperscript{34}

B. How Widespread Is Lead Poisoning?

Although lead paint has been illegal since 1978, many houses remain covered in lead paint,\textsuperscript{35} especially in the Northeast and Midwest.\textsuperscript{36} In Rhode Island, for example, the former state health director testified that “half the houses in Rhode Island—roughly 230,000 to 250,000 units—are still coated with lead-based paints.”\textsuperscript{37} In 2006, EPA estimated that “more than 38 million U.S. homes still contain some lead-based paint..., with two-thirds of the houses built before 1960 containing lead-based paint.”\textsuperscript{38} An estimated twenty-four million (one-quarter of the nation’s housing)\textsuperscript{39} of these houses had “significant lead-based paint hazards.”\textsuperscript{40}

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\textsuperscript{32} Many children put non-food items in their mouths, but some children also suffer from an eating disorder called pica where they do so frequently and habitually. Cynthia R. Ellis, Eating Disorder: Pica, http://www.emedicine.com/ped/topic1798.htm (last updated Feb. 18, 2006). As a result, these children are especially susceptible to lead poisoning. \textit{Id.}
\textsuperscript{33} Barbara B. Altera, Lead-Based Paint Activities in Military Family Housing, 54 A.F. L. REV. 101, 102-03 (2004).
\textsuperscript{36} Jacobs et al., \textit{supra} note 34, at A599 (explaining that “[h]ousing in the Northeast and Midwest had about twice the prevalence of hazards compared with housing in the South and West”).
\textsuperscript{37} Peter B. Lord, Half of State’s Houses Contain Lead-Based Paint, Nolan Testifies, PROVIDENCE J. (R.I.), Nov. 15, 2005, at B1.
\textsuperscript{39} Jacobs et al., \textit{supra} note 34, at A601.
\textsuperscript{40} \textit{Id.} at A599.
Of these homes, 1.2 million are estimated to house low income families with children under the age of six.\footnote{Id.}

C. How Much Is Too Much?

In 1990, the Centers for Disease Control and Prevention ("CDC") announced a goal to eliminate blood lead levels above twenty-five micrograms per deciliter of blood by the year 2000, and has a current goal of eliminating levels above ten micrograms per deciliter by 2010.\footnote{Telephone Interview with Rachel Outterson, Patricia S. Levinson Summer Fellow, Childhood Lead Poisoning Project for the Department of Community and Preventive Medicine, Mount Sinai School of Medicine (Feb. 26, 2006). Rachel Outterson is involved in surveying physicians in the New York City area about their knowledge of lead poisoning and methods for treating elevated lead levels. See also Theodore I. Lidsky & Jay S. Schneider, Lead Neurotoxicity in Children: Basic Mechanisms and Clinical Correlates, 126 BRAIN 5, 10-12 (2003), available at http://brain.oxfordjournals.org/cgi/reprint/126/1/5; Daley, supra note 26, at A1.} Yet, many physicians and others consider this number to be arbitrary and claim that lead has hazardous effects at levels of five micrograms per deciliter and lower.\footnote{Howard Bauchner, Lead: Devastating Impact Even at Low Levels, J. WATCH PEDIATRICS & ADOLESCENT MED., May 9, 2003, http://pediatrics.jwatch.org/cgi/content/full/2003/509/1. This is lower than the median fifteen micrograms per deciliter of blood level when leaded gas was standard. Id.} As lead is a toxin, "[t]here is no safe blood lead level in children" stated Dr. Jim Pirkle, deputy director for science at the Environmental Health Laboratory of the CDC.\footnote{CDC Releases Extensive Survey of Americans' Exposure to Environmental Chemicals, LAB BUS. WEEK, Aug. 21, 2005, at 218.} The median lead level for U.S. children is two micrograms per deciliter of blood.\footnote{Advisory Comm. on Childhood Lead Poisoning Prevention, Ctrs. For Disease Control & Prevention, Preventing Lead Exposure in Young Children: A Housing Based Approach to Primary Prevention of Lead Poisoning 8 (2004), available at http://www.cdc.gov/nceh/lead/Publications/Primary%20Prevention%20Document.pdf.}

D. What Does Lead Poisoning Do?

Lead exposure can lead to both learning and behavioral disorders.\footnote{Deborah W. Denno, Considering Lead Poisoning as a Criminal Defense, 20 FORDHAM URB. L. J. 377, 396 (1993). In her article, Denno describes a study of 487 subjects born in...} In fact, childhood exposure to lead is a "leading predictor" of criminal behavior later in life.\footnote{Id.} High lead levels can lead to "coma, convulsions and
Low levels of lead have been linked to reduced I.Q., "reduced physical stature and growth, impaired hearing, reduced attention span, hyperactivity, and behavior problems." A 2003 study in the journal *Brain* found that children are particularly sensitive to the effects of lead for several reasons. A greater proportion of ingested lead

Philadelphia during the years 1959-1962. *Id.* at 379-80. The purpose of the study was to determine the factors that most correctly predict the likelihood that a certain individual will be an adult offender in the criminal justice system. *Id* at 379. Researchers examined school records, criminal and juvenile police records, and kept extensive health records of the subjects from the time of their birth. *Id.* at 380. These researchers discovered that the "number and seriousness of juvenile offenses was the strongest predictor of the subjects' crimes as adults." *Id.* at 385. Low levels of education of the subject's mother and father were the next predictor. *Id.* The third predictor was a high level of lead at the age of seven. *Id.* A similar study of youth in the Allegheny County Juvenile Court system in Pennsylvania found that juvenile delinquents on average had much higher levels of lead than their non-delinquent counterparts. Julie Wakefield, *The Lead Effect?*, 110 ENVTL. HEALTH PERSP. A574, A576 (2002) available at http://www.ehponline.org/members/2002/110-10/EHP110pa574PDF.PDF. The study's director Herbert Needleman discovered that "among boys, convicted delinquents were almost twice as likely to have higher bone lead concentrations ... and four times as likely after adjusting for confounding factors." *Id.*


"The relation between intelligence and blood lead levels greater than 10 [micrograms per deciliter] is well defined: I.Q. declines by 2 to 5 points with every increase of 10 to 30 [micrograms per deciliter]." A shift of five points in the I.Q.s of a population can have a devastating effect. Typically, 5% of the population has an intelligence quota (IQ) above 120 and about 5% of the population has an IQ below 80. If you shift the population's IQ by five points, which is about what a child with a blood lead level of 20 [micrograms per deciliter] has lost in his or her life, no one in that lead poisoned population has an IQ above 120 and there is double the number of people with IQs below 80 (these are children who qualify for special education). Lead poisoning knocks the natural leaders out which is not only a tragedy for an individual child, but also has enormous effects on populations.

Evens et al., *supra* note 48, at 41.

Daghlian, *supra* note 24 at 536-37.
is absorbed from the gastrointestinal tract of children than of adults. In addition, a greater proportion of systemically circulating lead gains access to the brain of children, especially those 5 years of age or younger, than of adults. Finally, the developing nervous system is far more vulnerable to lead's toxic effects than the mature brain.51

Philip J. Landrigan, a professor at Mount Sinai School of Medicine, stated that lead paint has created “sort of a perfect storm: little children crawling on floors, taking the chips into their bodies, with organs more susceptible” to lead’s toxicity.52 This perfect storm has caused an epidemic.

Anne Evens, Lead Program Director for the Public Health Department

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51 Lidsky & Schneider, supra note 43, at 10. Adult lead exposure often occurs at work, and “[w]orkers at particular risk include welders, iron cutters, abrasive blas ters, painters, laborers, renovation and remodeling contractors, people who work at firing ranges; and those who are involved in the manufacture and disposal of car batteries and the maintenance and repair of bridges, water towers and other steel structures.” Sassan Farjami et al., Getting the Lead Out—The News About an Old Problem (Dec. 2004), http://www .thedoctorwillseeyounow.com/articles/other/lead_31/. Lead from bullets can also cause lead poisoning. Consider this case of a patient suffering from strange symptoms: Because the man has both abdominal pain and anemia, his doctor orders a blood test to measure blood lead levels. Sure enough, they come back off the charts. He has lead poisoning. The next step is to find the source of the lead. An investigation of materials used at his construction job, as well as his household water, provides no answers. The man is admitted to the hospital, where x-rays turn up a clue. There is a bullet near his right pelvis and bullet fragments in his right lower leg. He explains that 18 years ago he was shot twice during a robbery. The mystery is solved; somehow, lead from 18 year-old bullets is finding its way into the man’s bloodstream.


52 Peter B. Lord, Jurors in Lead-Paint Trial Say They're Proud of Verdict, PROVIDENCE J. (R.I.), Mar. 12, 2006, at B1. Landrigan was testifying in a Rhode Island suit against the former manufacturers of lead-based paint. Id. After this trial (the longest civil trial in Rhode Island history), the jurors declared Landrigan to be one of the most persuasive witnesses. Id. The jurors reached a verdict requiring Sherwin Williams and two other paint companies to pay for the removal of lead from those houses in Rhode Island still covered in lead paint (estimated at 240,000 houses). Id. The cost of removal of lead from all these houses is estimated to be over one billion dollars. Id. While this type of litigation may allow states like Rhode Island to clean up its lead hazards, not every state court has supported such a theory of shared liability. See Editorial, Take Responsibility, ROCHESTER DEMOCRAT & CHRON., Mar. 6, 2006, at 12A.
for the City of Chicago,\textsuperscript{53} explains that "[i]n Chicago in 2001, we had neighborhoods where 30% of the children had elevated blood lead levels and if we went down to the block level, we had blocks where half of the children had lead poisoning. A map of failing schools is very consistent with these elevated blood lead levels."\textsuperscript{54}

The current treatment for lead poisoning is chelation therapy.\textsuperscript{55} During chelation therapy, a chelating agent is introduced to the body.\textsuperscript{56} This agent binds to lead within the body, and this new compound comprised of the agent and the lead leaves the body through the urine stream.\textsuperscript{57} Chelation therapy is expensive,\textsuperscript{58} causes adverse side effects, and requires constant monitoring.\textsuperscript{59} Often chelation therapy is not any more effective than simply removing a child from an environment in which he or she is exposed to lead.\textsuperscript{60} For families in poverty it is difficult to find affordable housing or remove the lead currently present in their houses.\textsuperscript{61} As a result, many children may go through chelation therapy just to experience elevated levels of lead again.\textsuperscript{62}

\textbf{E. Populations Affected by Lead Poisoning}

Minority populations are affected disproportionately by lead poisoning.\textsuperscript{63} Nationally, only 2.3\% of non-Hispanic white children between the ages of one and five suffer from a lead blood level above ten micrograms per deciliter, while 11.2\% of African-American children have levels of ten or higher.\textsuperscript{64} When the threshold for lead poisoning is set to

\textsuperscript{54} Evens et al., \textit{supra} note 48, at 42.
\textsuperscript{55} Wilmott, \textit{supra} note 5.
\textsuperscript{57} Id.
\textsuperscript{58} Daghlian, \textit{supra} note 24, at 537.
\textsuperscript{59} Ettinger, \textit{supra} note 56.
\textsuperscript{60} Id.
\textsuperscript{61} See Silbergeld, \textit{supra} note 6, at 189.
\textsuperscript{62} Ettinger, \textit{supra} note 56.
\textsuperscript{64} Id.
five micrograms per deciliter, "47% of African American children, 28% of Mexican American children, and 19% of non-Hispanic white children age one to five had elevated blood lead levels."\textsuperscript{65}

Children living in poverty are also disproportionately affected by lead poisoning. A National Health and Nutrition Examination Survey "found that 13% of Medicaid recipients had [blood lead levels] at or above 10 [micrograms per deciliter], and 42% had levels at or above 5 [micrograms per deciliter]."\textsuperscript{66} These statistics exist because "[p]oor children are more likely to live in lead-contaminated environments, including older and dilapidated housing[,] and deposits of lead from years of leaded gasoline, hazardous waste disposal, and lead-related industry."\textsuperscript{67} Moreover, children living in poverty are more likely to suffer from deficiencies in iron, zinc, calcium or protein.\textsuperscript{68} These deficiencies make children more susceptible to lead poisoning.\textsuperscript{69}

For a combination of reasons, lead strongly and disproportionately affects children in poverty. Thus, legislation attempting to solve this problem must address the specific needs of these children. Since the 1970s lead poisoning prevention legislation has improved to more closely reach children in poverty.\textsuperscript{70}

II. LEAD LEGISLATION

A. The Lead-Based Paint Poisoning Prevention Act

Congress passed the Lead-Based Paint Poisoning Prevention Act ("LPPPA") in 1971.\textsuperscript{71} This law allowed the use of federal funds "to develop and carry out intensive local programs to eliminate the causes of lead-based paint poisoning and local programs to detect and treat incidents of such poisoning."\textsuperscript{72} This law also authorized the Department of Housing and Urban Development ("HUD") to try to remove lead-based paint from

\textsuperscript{65} Id.
\textsuperscript{66} Id.
\textsuperscript{67} Id.
\textsuperscript{68} Lidsky & Schneider, supra note 43, at 13.
\textsuperscript{69} Id.
\textsuperscript{70} See Silbergeld, supra note 6, at 193-97.
\textsuperscript{72} Id.
all public housing. As a result, minority populations with access “to lead-free public housing” have lower levels of lead exposure than other groups.

Unfortunately, HUD issued reports on lead poisoning but did not develop any uniform procedure for attacking the problem outside of public housing. Critics of the law complained that “[n]o nationwide standards ha[d] been established to identify and eliminate the hazards and no program to prevent lead poisoning ha[d] been created.” As a result, LPPPA did not significantly reduce childhood lead poisoning. While rates of childhood lead poisoning reduced from 1978-1990, this reduction is largely attributed to the banning of leaded gasoline.

B. The Emergency Planning and Community Right-to-Know Act

Changes in the manner in which the government approached environmental issues encouraged the passage of environmental legislation that more closely affected people and their communities. The passage of the Emergency Planning and Community Right-to-Know Act (“EPCRA”) demonstrates this new way of thinking. This thinking was inspired by the Union Carbide disaster in Bhopal, India. In this accident, a poisonous gas escaped from the Union Carbide plant and killed more than 5,000 people in the surrounding area. Understandably, after the disaster, the

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76 Id.
78 See Silbergeld, supra note 6, at 195 (“The reduction in lead used in gasoline (greater than 100-fold, from 1976 to 1986) was associated with average reductions in [blood lead levels] of over 40%.”).
81 Mitchell, supra note 79, at 347.
public wanted to know exactly what kind of toxins were being used in their neighborhoods.\textsuperscript{83}

The purpose of EPCRA was simple.\textsuperscript{84} Under the presumption that people deserve the right to know about the environmental issues that affect them, Congress passed EPCRA to allow the public access to information about pollution levels in their community.\textsuperscript{85} Section 313 of EPCRA required EPA to develop a public database that permits citizens to find "all annual information collected from industry on routine release of toxic chemicals to air, land, and water."\textsuperscript{86} This Toxic Release Inventory ("TRI") served as an early model of how environmental information could be released to the public.\textsuperscript{87} Former Clinton Administration EPA Administrator Carol M. Browner described the TRI as "a roadmap of toxic chemicals, right down to the local level, and it puts that information directly at the fingertips of citizens."\textsuperscript{88}

EPA's mechanism for collecting this data, however, is flawed.\textsuperscript{89} Companies provide the pollution data to EPA, and EPA releases this data in the TRI.\textsuperscript{90} Certainly this system is imperfect, as violators of environmental release laws could change data.\textsuperscript{91} Yet, as EPA lacks the


\textsuperscript{84} See Mitchell, \textit{supra} note 79, at 347 ("EPCRA is unique because it is the first environmental regulation that is purely informational in contrast to the typical 'command and control' regulations enacted by Congress.").

\textsuperscript{85}Krista Green, \textit{An Analysis of the Supreme Court's Resolution of the Emergency Planning and Community Right-to-Know Act Citizen Suit Debate}, 26 B.C. ENVTL. AFF. L. REV. 387, 389 (1999) ("EPCRA has two purposes: to enhance the public's knowledge about dangerous chemicals located in the community, and to establish national, state and local emergency response plans.").


\textsuperscript{87} Id.


\textsuperscript{90} Wolf, \textit{supra} note 83, at 220-21.

\textsuperscript{91}See Wagner, \textit{supra} note 89, at 1697 (suggesting that corporations “may avoid disclosing more serious violations when they perceive that the probability of being caught by a regulator will be low, especially as compared against the economic benefits they gain by not installing the requisite pollution controls or satisfying other regulatory requirements in a timely fashion”).
resources it would require to regulate these organizations without the company's help, the TRI serves as "among [EPA's] most potent environmental weapons." On January 17, 2001, EPA addressed the seriousness of lead contamination by "lower[ing] the reporting thresholds for lead and lead compounds[,]" thereby giving communities a better understanding of the lead pollution in their areas.

EPCRA shows a change in Congress's thinking about effective environmental legislation. With EPCRA, Congress finally recognized that environmental regulation works best within an informed community. It also recognized that corporate support is sometimes necessary for environmental law to be economically feasible. Such thinking influenced the writing of the Residential Lead-Based Paint Hazard Reduction Act, which arguably helped make it a more effective law.

C. The Residential Lead-Based Paint Hazard Reduction Act

Realizing the flaws of the LPPPA of 1972, Congress passed the Residential Lead-Based Paint Hazard Reduction Act ("RLPHRA") in 1992. For the first time, the federal government could give grants for lead poisoning reduction to homeowners who did not live in federal housing. RLPHRA is limited, however, by a lack of funding. The government

92 See id. at 1689-90.
93 Nixon, supra note, 88.
95 See Wolf, supra note 83, at 219-20.
96 See id. at 220-21.
97 See Wagner, supra note 89, at 1689-90.
98 Clifford Rechtschaffen, The Warning Game: Evaluating Warnings Under California's Proposition 65, 23 ECOLOGY L.Q. 303, 305-06 & n.8 (1996) (describing a right-to-know "trend [that] is likely to continue, especially given the current legislative movement to scale back environmental regulation and the increased interest in market-based incentives as an alternative to traditional direct regulation").
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cannot give grants to everyone living with lead paint in their house. Moreover, RLPHRA does not compel landlords to remove lead paint hazards from their properties until there is evidence of lead poisoning. Further, landlords are not forced to test for lead, but must merely make tenants aware that it could be present.

However, RLPHRA has significantly improved many residents' knowledge of lead poisoning. It requires anyone renting or selling a house built before 1978 to disclose any knowledge of lead paint on the premises and to give the new owners or tenants a book describing lead poisoning. It does not require the landlord to remove lead paint from the premises. It does, however, require that the purchaser of a house be given ten days to get a thorough lead inspection (though this right can be waived). This inspection, called a risk assessment, is an on-site investigation to determine and report the existence, nature, severity, and location of lead-based paint hazards in residential dwellings, including (1) information gathered regarding the age and history of the housing and occupancy by children under age 6; (2) visual inspection; (3) limited wipe sampling or other environmental sampling techniques; (4) other activity as may be appropriate; and (5) provision of a report explaining the results of the investigation.

The law also requires that all purchasers read a warning sheet "printed in large type on a separate sheet of paper attached to the contract" that states:

Every purchaser of any interest in residential real property on which a residential dwelling was built prior to 1978 is


Daghlian, supra note 24, at 542.

Id.

Id.

Id.

Id.


PROPERTY DISPOSAL REGULATIONS, supra note 101.
notified that such property may present exposure to lead from lead-based paint that may place young children at risk of developing lead poisoning. Lead poisoning in young children may produce permanent neurological damage, including learning disabilities, reduced intelligence quotient, behavioral problems, and impaired memory. Lead poisoning also poses a particular risk to pregnant women. The seller of any interest in residential real property is required to provide the buyer with any information on lead-based paint hazards from risk assessments or inspections in the seller's possession and notify the buyer of any known lead-based paint hazards. A risk assessment or inspection for possible lead-based paint hazards is recommended prior to purchase.\(^{110}\)

Clearly, this type of warning can work well with people who have the time and money to get a risk assessment and pay for lead abatement.\(^ {111}\) With families in a hurry to find a new home, this warning can turn into just another piece of paper and be easily ignored.\(^ {112}\) One Philadelphia real estate agent described his interactions with lead disclosure:

I go over the pamphlet with the buyers and tell them that, if they want to test for lead paint, they certainly will find it . . . I also tell them that sellers won't do anything to remediate it, and if they are really concerned about lead, they shouldn't be looking at older houses.\(^ {113}\)

As a result of attitudes like this, "[f]ew buyers bat an eye."\(^ {114}\)


\(^{113}\) Id.

\(^{114}\) Id.
D. The President's Task Force

In 1997, President Clinton created the President's Task Force on Environmental Health Risks and Safety Risks to Children with Executive Order 13,045. The task force's stated goal is to eliminate lead poisoning by 2010 through:

- Federal grants and leveraged private funding to be used for the identification and elimination of lead paint hazard to produce an adequate supply of lead-safe housing for low-income families with children, outreach and public education [and] [e]nforcement and compliance assistance and monitoring.

The task force also calls for "increased coordination across federal, state and local agencies responsible for outreach, education, technical assistance, and data collection related to lead screening and lead hazard control." These plans boil down to laundry lists of strategies from each state that explain how each state intends to combat lead poisoning and measure its success. In 2001 and 2003, President George W. Bush extended the task force's tenure. The example of a coalition of community groups in Rochester, NY, that developed as a result of this task force and the policies of this group will be discussed later on in this Note.

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117 Id. at 34.
120 See infra Part V.B.
III. TODAY’S LEAD POLICIES

A. “Common Sense” Approach

EPA adopted what it calls a “Common Sense” approach. The “Common Sense” approach is EPA’s attempt to integrate the community’s voice into decision making processes. By making industrial and environmental community groups stakeholders in this process, EPA hoped to develop policies that would better fit communities. Commentator Gregory Roberts suggests, however, that communities would be better off with “a strategy that enables a community to take control of the struggle itself, without having to rely on the government’s good faith to include it in the decision-making process.” In the current environment, though, the Common Sense approach shows the government’s awareness that effective legislation and regulation brings all parties involved to the table.

B. Executive Order 12,898

Under President Clinton, the government recognized racial disparities within environmental situations. Executive Order 12,898, entitled “Federal Actions to Address Environmental Justice in Minority Populations and Low Income Populations,” requires EPA to address environmental situations in which minorities are disproportionately affected. The order “was the first of its kind to stress the coordination of government agencies in addressing environmental justice problems. [It] defined the federal government’s stance on environmental justice, required federal

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122 Id. EPA Administrator Carol Browner said, “[E]arly involvement and strong partnerships, founded on mutual respect and understanding, make good common sense and will result in sound public health and environmental policy. Id. at 243 n.76 (citing OFFICE OF ENVTL. JUSTICE, U.S. ENVTL. PROT. AGENCY, ENVIRONMENTAL JUSTICE STRATEGY: EXECUTIVE ORDER 12,898, at 2 (1995)).
123 Uwe M. Erling, Approaches to Integrated Pollution Control in the United States and the European Union, 15 TUL. ENVTL. L. J. 1, 17 (2001).
125 Roberts, supra note 121, at 248.
126 Id. at 241. See also Exec. Order No. 12,898, 59 Fed. Reg. 7,629 (Feb. 11, 1994).
agencies to develop an environmental justice strategy, and established an Interagency Working Group on Environmental Justice."

This executive order dictates that the government develop strategies that should

at a minimum . . . : (1) encourage enforcement of federal and state health and environmental statutes in communities with high poor and minority populations; (2) increase public involvement; (3) conduct more accurate research and obtain more precise data regarding the health and environment of poor and minority communities; and (4) analyze disparities with respect to the use of [RLPHRA] natural resources by poor and minority populations.

Most importantly, the government and EPA must make an effort to be seen as an organization that makes the community better, and does not dictate unnecessary regulations.

An ideal revision of RLPHRA would take into account the goals of Executive Order 12,898 and EPA’s Common Sense approach by attempting to effectively reach those most affected by lead poisoning and involve them in decision-making.

IV. RLPHRA IN ACTION

A. "Re-Ghettoizing" the Problem

Before the advent of LPPPA, Ellen K. Silbergeld, Editor-in-Chief of the journal Environmental Research and Professor of Public Health at Johns Hopkins University, suggests that lead poisoning was “ghettoized,” meaning that it was “considered to be a risk exclusively to the urban

129 Roberts, supra note 121, at 241.
130 Kary L. Moss, Environmental Justice at the Crossroads, 24 WM. & MARY ENVTL. L. & POL’Y REV. 35, 35 (2000). Moss explains how EPA was villainized as a “job killer” in Flint, Michigan after investigating a complaint which alleged that a new steel mill disproportionately burdened minorities in the area in terms of pollution. Id.
131 Silbergeld, supra note 6, at 198.
minority poor.”\(^{133}\) She explains that “[t]his assumption was based on very limited data and highly skewed attempts to identify children with elevated blood lead (\( \text{PbB} \)) levels.”\(^{134}\) Doctors only identified those with the highest blood lead levels as having lead poisoning.\(^{135}\) Silbergeld states that:

Concerns for lead poisoning waxed and waned with social concerns for the disadvantaged until the results of the first representative national survey of lead exposures in US children began to be published in 1982 . . . Although the median of poor urban black children measured [from 1976-1980] was the highest of all persons (nonoccupationally exposed), a significant proportion of all children had a [blood lead level greater than] 15 [micrograms per deciliter] and the median \( \text{PbB} \) for affluent white children was 13 [micrograms per deciliter].\(^{136}\)

By the late 1970s and early 1980s, the United States was motivated to confront the problem,\(^{137}\) and, with the banning of leaded gas, rates of lead poisoning fell dramatically.\(^{138}\) Yet, a downside of this positive result is that it “reduced the momentum to fully eliminate lead poisoning. The disease has to a large extent become ‘re-ghettoized.’ Now, children with [blood lead levels greater than] 10 are much more likely to be black, live in large cities, and to be poor.”\(^{139}\)

RLPHRA has helped home buyers and renters to be more aware of lead poisoning within their communities, but it has not helped buyers

\(^{133}\) Silbergeld, supra note 6, at 191.

\(^{134}\) Id.

\(^{135}\) Id. In 1985, the CDC’s threshold for lead poisoning was twenty-five micrograms per deciliter. In 1975 the threshold was thirty micrograms per deciliter, and in 1971 it was forty micrograms per deciliter. Katarzyna Bochynska, Facts and Firsts of Lead (Oct. 21, 2005), http://www.lead.org.au/fs/fst29.html.

\(^{136}\) Silbergeld, supra note 6, at 191.

\(^{137}\) Id.

\(^{138}\) Id. at 198. See Press Release, U.S. Envtl. Protection Agency, EPA Takes Final Step in Phaseout of Leaded Gasoline (Jan. 29, 1996), available at http://www.epa.gov/history/topics/lead/02.htm. The press release quotes EPA administrator Carol Browner stating, “The elimination of lead from gas is one of the great environmental achievements of all time . . . Thousands of tons of lead have been removed from the air, and blood levels of lead in our children are down 70 percent.” Id. Silbergeld puts this number at forty percent, but one thing is clear: making leaded gas illegal reduced rates of childhood lead poisoning. See Silbergeld, supra note 6, at 195.

\(^{139}\) Silbergeld, supra note 6, at 198.
or sellers to cover the costs of removing lead paint. RLPHRA disclosure only works to get rid of lead paint in "those housing markets able to sustain the investment required, that is, where the value of property can absorb an abatement’s 'penalty' borne by the seller (either as reduced sale price or investment in abatement prior to sale)."

Lead paint removal is costly. The Connecticut Department of Economic and Community Development estimates that it costs between $25,000 and $50,000 to remove lead paint from a contaminated house. In order to ensure a thorough clean up, those who perform lead paint removal must be specially trained. In public housing and in many state and local jurisdictions, power sanding techniques are illegal for lead paint removal because these methods spread lead dust around the home, exposing all those breathing in the vicinity to lead.

Despite the potential tragic effects, many contractors still use this method because it quickly removes paint. The Director of the Office of Healthy Homes and Lead Hazard Control at the U.S. Department of Housing and Urban Development, David E. Jacobs, documents the case of a family who lived in their house while lead was improperly removed. The family dog died with a blood lead level of over 177 micrograms per deciliter. The three children all had blood lead levels of at least nineteen micrograms per deciliter. The improper removal of lead also contaminated the soil in the yard, and the clean up of all the contaminated areas

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140 "Abatement encompasses any set of measures designed to permanently eliminate lead-based paint hazards." PROPERTY DISPOSAL REGULATIONS, supra note 101, at 2.
141 Silbergeld, supra note 6, at 201.
144 Id.
146 See Jacobs et al., supra note 143, at 185.
147 David E. Jacobs, Director of Healthy Homes and Lead Hazard Control, U.S. Dep’t of Housing and Urban Dev., Testimony Before the Subcommittee on Housing and Transportation of the Senate Committee on Banking, Housing, and Urban Affairs (June 5, 2002), http://www.hud.gov/offices/cir/test060502j.cfm. Before coming to HUD, Jacobs "conducted research on residential lead hazard detection and control" as a faculty member at the Georgia Institute for Technology. Id.
148 See Jacobs supra note 143, at 185.
149 Id.
150 Id.
cost $180,000 more than was originally anticipated.\textsuperscript{151} To tackle the problem of improper removal, EPA has proposed new regulations for remodeling or repairing older homes containing lead.\textsuperscript{152} These regulations include more required safety restrictions for the removal of lead, as well as more training for contractors allowed to remove lead paint from a residence.\textsuperscript{153}

The costs associated with removing lead paint can be reduced through a process called encapsulation.\textsuperscript{154} Encapsulation is “the application of a liquid coating that dries to form a watertight jacket over the lead paint” and “generally saves homeowners 80 percent of the cost associated with lead paint removal.”\textsuperscript{155} Encapsulants cannot be used on all surfaces. “[F]riction will wear away the protective coating and render it ineffective;” thus, encapsulants cannot be used on “window sash[es], door-jambs, or high traffic areas where abrasion is going to occur.”\textsuperscript{156}

Removing lead contamination from housing requires both time and money,\textsuperscript{157} two luxuries that people in poverty seldom have.\textsuperscript{158} It is not surprising that rental units are more likely than owner-occupied units to contain lead-based paint hazards.\textsuperscript{159} The problem remains that “[t]he poor are more likely to be renters than owners, and their housing is in many cases insufficiently valued to absorb the costs of abatement without

\textsuperscript{151} Id. at 185-86.
\textsuperscript{153} Lead; Renovation, Repair, and Painting Program; Proposed Rule, 71 Fed. Reg. at 1588.
\textsuperscript{155} Id.
\textsuperscript{156} Id.
\textsuperscript{157} See generally N.Y. ST. DEPT OF HEALTH, PHYSICIAN'S HANDBOOK ON CHILDHOOD LEAD POISONING PREVENTION: CHAPTER 9, ENVIRONMENTAL MANAGEMENT (2002), available at http://www.health.state.ny.us/nysdoh/lead/handbook/phc9.htm. Replacement, chemical removal, and handscraping are all methods of removing lead paint from homes. Id. All removal methods are more expensive than encapsulation, especially chemical removal. Id. Handscraping and chemical removal are labor intensive for those not skilled at lead paint removal, and replacement should be done by skilled workers. Id.
\textsuperscript{158} See Heavens, supra note 112. “One in six low-income children living in older housing are believed to have lead poisoning . . . .” Id.
\textsuperscript{159} Jacobs et al., supra note 34, at A602. Jacobs’ study “suggests that rental properties are somewhat more likely to have lead-based paint hazards than are owner-occupied properties (30% vs. 23%, respectively), perhaps because of the increased turnover rates and lower maintenance levels that may be more common in rental units.” Id. at A605.
public subsidy.”\textsuperscript{160} The Lead-Based Paint Hazard Reduction and Financing Task Force, created by RLPHRA,\textsuperscript{161} explains that “[w]ithout additional subsidies, rigid mandates for lead-based paint hazard control would threaten the economic vitality of many low income units and/or force residents to be increased to unaffordable levels.”\textsuperscript{162} Thus, the solution for the lead poisoning problem requires both an increase in restrictions as well as increase in grants available for lead abatement purposes.

B. Problems with Lead Reporting

Unfortunately, many of the efforts previously discussed seem full of rhetoric and cooperative language and less focused on the logistical steps necessary to enforce new restrictions.\textsuperscript{163} Take, for example, the experience of Dr. Nathan Graber, Pediatric Fellow in Environmental Health at Mount Sinai School of Medicine. Determined to study the practices of physicians in East Harlem and Brooklyn (areas which have New York City’s highest rates of lead poisoning),\textsuperscript{164} Graber’s research assistants gathered “lists of practices and clinics from the Citywide Immunization Registry.”\textsuperscript{165} Researchers found that the city’s list was dramatically outdated and took to the street and internet to discover the actual location of these offices.\textsuperscript{166} For lead poisoning prevention plans to actually work, the government must have such health data available.\textsuperscript{167} Similarly, the researchers found that only thirty-seven percent of those children born in the year 2001 had their blood lead levels tested at the ages of one and

\textsuperscript{160} Silbergeld, supra note 6, at 201.
\textsuperscript{161} Rafael Mares, Enforcement of the Massachusetts Lead Law and its Effect on Rental Prices and Abandonment, 12 J. AFFORDABLE HOUSING 343, 360 n.15 (2003), available at http://www.duncankennedy.net/documents/Housing%20other%20articles/Enforcement%20of %20the%20MA%20Lead%20Law.pdf. Mares explains that the members of this task force are named by the Secretary of Housing and Urban Development. \textit{Id.}
\textsuperscript{163} Telephone Interview with Rachel Outterson, supra note 43.
\textsuperscript{164} This area makes up part of the so-called “lead belt.” See Marjory Garrison, Will the City Get the Lead Out?, BROOKLYN RAIL, Oct. 2003, http://www.thebrooklynnrail.org/local/oct03/lead.html.
\textsuperscript{165} Rachel Outterson, Barriers to Lead Poisoning Screening in East Harlem and Bushwick (Aug. 8, 2005) (on file with author).
\textsuperscript{166} \textit{Id.}
\textsuperscript{167} \textit{Id.}
two.\textsuperscript{168} This result is contrary to New York law, where, since 1992, children have been required to have their blood lead levels tested at both ages one and two.\textsuperscript{169} Without data from the doctors who are measuring children’s lead levels, how can the government accurately describe whether lead levels are declining? Lead poisoning affects people in poverty, and people in poverty are forced to move frequently.\textsuperscript{170} Before the government can declare the war on lead poisoning won they must find a better way to measure its prevalence.\textsuperscript{171}

Dr. Graber’s frustrations were echoed by the Commission for Environmental Cooperation in its recent report, \textit{Children’s Health and the Environment in North America}.\textsuperscript{172} The Commission, made up of government officials from Mexico, Canada and the United States, found “that North American children remain at risk from environmental exposures and that children’s health reporting must be improved to address the data gaps identified in the report.”\textsuperscript{173} These data gaps exist, at least partially, because of the difficulties of keeping records about people who are constantly moving.\textsuperscript{174} People in poverty suffer from “[a] lack of affordable housing [that] contributes to housing instability, resulting in frequent residential moves and, for some families, periods of homelessness.”\textsuperscript{175} Appropriate legislative solutions must recognize the importance of keeping residences both affordable and lead free.


\textsuperscript{169} \textsc{Eliminating Childhood Lead Poisoning in New York State by 2010, supra} note 63; \textsc{State of N.Y. Office of the Attorney General, Health Care Bureau, Getting the Lead Out: Are New York’s Managed Care Plans Complying with the State’s Childhood Lead Screening Law? 5-6 (July 2004) available at http://www.oag.state.ny.us/press/reports/getting_the_lead_out_report.pdf} (citing \textsc{N.Y. Pub. Health Law § 1373-c} (2004)).

\textsuperscript{170} See \textit{infra} note 176 and accompanying text.

\textsuperscript{171} Telephone Interview with Rachel Outterson, \textit{supra} note 43. Outterson also found that a large percentage of doctors in New York’s Lead Belt do not believe that children suffer adverse effects from lead at blood lead levels below ten micrograms per deciliter of blood.


\textsuperscript{174} \textsc{National Low Income Housing Coalition, Housing and Education, http://www.nlihc.org/detail/article.cfm?article_id=2776&id=46} (last updated Mar. 1, 2007).

\textsuperscript{175} \textit{Id.}
The Law in Action: Mason v. Morrisette

The effectiveness of RLPHRA can be examined through a recent U.S. Court of Appeals case in which two children sued their landlord for failing to disclose the presence of lead paint in their New Hampshire apartment. In Mason ex rel. Heiser v. Morrisette, the defendant landlord argued "that the protections and remedies of . . . RLPHRA apply only to written leases." While the court in Mason declined to hear this issue, the issue raises a question about the parties protected by RLPHRA. Some legal scholars think that courts would likely find that RLPHRA still applies to oral leases. The Virginia Department of Health informs lessors that they must follow RLPHRA procedures when committing an oral lease. The fact that Defendants brought the argument that RLPHRA does not apply to an oral lease suggests that: 1) there is confusion about RLPHRA's applicability, and 2) that many tenants with oral leases are not being informed of lead hazards within their homes. Oral leases are

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177 Mason ex rel. Heiser v. Morrisette, 403 F.3d 28, 29 (1st Cir. 2005).

178 Id.

179 Id. at 29 n.4.


182 "(B)ecause nothing is written down, the major disadvantage [of an oral lease] is the possibility of misunderstandings between the landlord and the tenant about the conditions of the tenancy." American Bar Association, Leases: What are the Disadvantages of an Oral Lease, http://www.abanet.org/publiced/practical/lease_disadvantageoral.html (last visited Apr. 15, 2007). New York allows for certain strict protections for those participating in oral leases:
much more likely to be entered into by people lacking knowledge of their legal rights or people with an urgent need for housing.\textsuperscript{183} These people are likely to be living in poverty.\textsuperscript{184} If courts find that RLPHRA does not apply to oral leases, then RLPHRA's lead paint protections cannot reach those who need its protection most.\textsuperscript{185} Congress should amend RLPHRA to state explicitly that it applies to oral lessees.

In \textit{Mason}, the court also ruled that the children of lease holders lacked standing to bring claims under the RLPHRA.\textsuperscript{186} The court “determined that Congress inten\[ded\] to limit recovery under . . . [the RLPHRA] to a ‘purchaser or lessee.’”\textsuperscript{187} By choosing to limit the RLPHRA in this manner the court is limiting the effectiveness of the RLPHRA to adequately prevent lead poisoning. In contrast, the Third Circuit has found that children can have standing under RLPHRA if they meet certain basic standing requirements.\textsuperscript{188} In 2006, a Federal District Court in Southern

\begin{quote}
\end{quote}

\textsuperscript{183} Requirements for Disclosure of Known Lead-Based Paint and/or Lead-Based Paint Hazards in Housing, 61 Fed. Reg. 9063, 9068 (Mar. 6, 1996).

\textsuperscript{184} See Silbergeld, \textit{supra} note 6, at 200.

\textsuperscript{185} RLPHRA may also be discriminatory when damages are awarded as a result of lead poisoning suffered by a child. See Laura Greenberg, \textit{Compensating the Lead Poisoned Child: Proposals for Mitigating Discriminatory Damage Awards}, 28 B.C. ENVTL. AFF. L. REV. 429, 429-30 (2001). Damages may be awarded differently for families of African-American and white children:

Their compensation in such suits is measured, in large part, by the calculation of their loss of earning capacity. Typically, economists and rehabilitation experts rely on both race-based statistics and examinations of the vocational and educational achievements of the plaintiff's family to determine the loss of earning capacity. Lead paint plaintiffs—young, poor and often African-American or Hispanic—are disadvantaged by the traditional determinations of loss of earning capacity.

\textit{Id.} (citation omitted).

\textsuperscript{186} Mason \textit{ex rel.} Heiser v. Morrisey, 403 F.3d 28, 28 (1st Cir. 2005). The First Circuit cites other courts that have found similarly. See L.B. III \textit{v.} Hous. Auth. Of Louisville, 345 F. Supp. 2d 725, 729 (W.D. Ky. 2004) (holding that minor children of lessees “fail to fit the statutory [standing] requirement because they were neither purchasers nor lessees of the property in which they lived”); Gladysz v. Desmarais, No. 02-208-B, 2003 U.S. Dist. LEXIS 4252 at *2 (D. N.H. Mar. 17, 2003) (holding that grandchildren of lessee do not have standing because the “civil liability provision in RLPHRA limits recovery to ‘purchasers or lessees’”) (citation omitted).

\textsuperscript{187} Mason, 403 F.3d at 32. The court did, however, suggest that “the Mason children are not left without remedy: they can pursue claims against the Appellees in the New Hampshire state courts.” \textit{Id.} at 33.

\textsuperscript{188} Cudjoe \textit{ex rel.} Cudjoe v. Dep't of Veterans Aff., 426 F.3d 241 (3d Cir. 2005).
Indiana found that as an “individual’s standing to sue may go beyond what is explicitly stated in the statute,” a child could have standing to sue under RLPHRA. 189 This court found further that the children of lessees fell within the “zone of interests sought to be protected by Congress under RLPHRA.”190 The court also determined that if it were to deny children standing to sue, their parents could only collect damages “for the medical care of [the child] until [his parents] no longer had to take care of him.” 191 The court found that the “permanent injuries” suffered by a child with lead poisoning could only be addressed with damages by allowing the child to have standing to sue.192 Congress should address this split.193

V. SOLUTIONS TO THE LEAD POISONING PROBLEM

A. Stricter Law: The Massachusetts Solution

Massachusetts has passed laws declaring that renting a home with lead hazards to a family with children is a strict liability offense.194 The law provides that “the owner of any residential premises shall be liable for all damages” caused by his failure to comply with the law for a household containing a child under six, upon proof of an elevated lead level and evidence that the premises does not conform to regulations.195 Not surprisingly, there have been numerous reported cases of landlords who refused to lease to tenants with children in order to avoid lead liability.196

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190 Id. at 948.
191 Id.
192 Id. at 949.
193 Allowing children standing to sue under RLPHRA would be similar to the statutory expansion of claims under § 2-318 of the Uniform Commercial Code. U.C.C. § 2-318(a) (2007) states that a “seller’s warranty whether express or implied extends to any natural person who is in the family or household of his buyer.” U.C.C. § 2-318(a) is the least flexible of the warranties provided under § 2-318 of Uniform Commercial Code. If such warranties are possible for the sale of regular goods and services, it makes sense to have similar protections applicable to rental and sales agreements.
Legal services attorneys have been systematically bringing cases against landlords discriminating against tenants, "based on the family status of having children under six, when renting apartments in order to avoid the lead law." While the Massachusetts law has been widely hailed as a national model, it has brought a dilemma to many Boston families. One Boston resident described her conflict as follows: "Should we lie to realtors and landlords and risk exposing our child to lead, or should we pay a rent we can barely afford for a certified deleded [sic] apartment?"

B. The Rochester Model: A Targeted Solution

History shows that environmental legislation is most effective when it is cost effective and involves the community as stakeholders. In Rochester, New York, community groups came together to revise the city's property code in order confront the city's lead hazards in a cost effective manner. This group lobbied the city, and the city council passed an ordinance that requires all rental properties built prior to 1978 be inspected for the presence of lead paint. As a result, all apartments within

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197 Id.
199 Crystal Brunelli, Letter to the Editor: Protecting our Children from Lead Paint, BOSTON GLOBE, Sept. 1, 2000, at A100.
200 Id. See also Jeremy Pressman, Sure the Apartment’s Available (But Not If You Have Young Children), BOSTON GLOBE, Aug. 26, 2000, at A15. Pressman describes his search for an apartment in Boston to share with his wife and young son. While landlords and real estate agents were initially happy to speak with Pressman, their attitudes usually changed quickly when they found out about his infant child. One told him: "No, the apartment is not deleded [sic] .... It doesn’t make sense for you. Not safe for kids; That’s what the government says. Even if you liked it, you couldn’t take it.” Id.
201 See Bass & McLean, supra note 86, at 288 (noting that inefficient dissemination of information standards under the Emergency Planning and Community Right-to-Know Act creates increased costs for businesses that need to be informed of toxic chemical releases).
202 See Green, supra note 85, at 389.
203 Some studies have placed Rochester among the [ten] U.S. cities with the worst lead problems.” Matt Leingang, UR Expert Fired from Panel, ROCHESTER DEMOCRAT & CHRON., Aug. 9, 2003, at 1B.
an area of the city called the “Crescent” are required to be tested for lead hazards before they are rented.\footnote{Misty Edgecomb, Anti-Lead Paint Plan Saluted, ROCHESTER DEMOCRAT & CHRON., Dec. 23, 2005, at 1B. The idea to test only rented apartments is similar to current law in Maryland, where the state only tests rental housing. See Souchuns, supra note 198, at 1440. Maryland chooses to test only rental housing built before 1950. Id. By choosing this restriction, however, the state is not testing an estimated 350,000 units with lead hazards. Id. at 1440 n.183.} Over the past fifteen years, ninety-two percent of the city’s cases of lead poisoning have been found in this area,\footnote{Coal. to Prevent Lead Poisoning, The Case for Targeting (unpublished PowerPoint presentation, on file with author).} and an estimated ninety percent of the homes in the Crescent contain lead hazards.\footnote{Edgecomb, supra note 206, at 1B.} As this procedure “targets exactly where we know the pollution is[,]” it is both cost effective and reaches those most at risk for lead poisoning.\footnote{Id.} During these inspections, inspectors will examine the apartments’ chipping paint, but will also use dust wipes.\footnote{Dust wipes allow for more accurate testing for lead hazards and will only be used if a residence passes visual inspection. Id. A dust wipe is “[a]n individually wrapped cloth, similar to a baby wipe, [that] is simply swept across the wall or windowsill, picking up any lead dust that may be present, so that it can be analyzed in a laboratory.” Edgecomb, supra note 206, at 1B.} Apartments that fail these inspections will be in violation of the code, and certificates of occupancy will not be issued for these residences until the lead hazard is properly removed or encapsulated.\footnote{ROCHESTER MUN. CODE § 90-57(D) (2007), available at http://www.afhh.org/res/res_pubs/City_Code_final_Rochester_ordinance.pdf.} By inspecting all rental units in this area (regardless of whether children are present), and not permitting anyone to live in apartments with lead hazards, Rochester avoids many of the landlord discrimination issues common in Massachusetts.\footnote{Rochester will inspect all households in the Crescent, not just those with children. Brian Sharp, Lead-Paint Sweep On Track, ROCHESTER DEMOCRAT & CHRON., Dec. 4, 2005, at 3B, available at http://www.democratandchronicle.com/apps/pbcs.dll/article?AID=/20051204/NEWS01/512040324/1002/NEWS. See ROCHESTER MUN. CODE § 90-62(B), available at http://www.afhh.org/res/res_pubs/City_Code_final_Rochester_ordinance.pdf (explaining that the lead inspection code does not apply to single family owner-occupied dwellings).}

The Rochester solution is in no way perfect. In an ideal world all residences, and not just rentals, would be thoroughly inspected for lead.\footnote{Rochester will inspect all households in the Crescent, not just those with children. Brian Sharp, Lead-Paint Sweep On Track, ROCHESTER DEMOCRAT & CHRON., Dec. 4, 2005, at 3B, available at http://www.democratandchronicle.com/apps/pbcs.dll/article?AID=/20051204/NEWS01/512040324/1002/NEWS. See ROCHESTER MUN. CODE § 90-62(B), available at http://www.afhh.org/res/res_pubs/City_Code_final_Rochester_ordinance.pdf (explaining that the lead inspection code does not apply to single family owner-occupied dwellings).} Moreover, in an ideal world, legislation would somehow reach those living illegally in apartments without an occupancy certificate. This code, however,
allows everyone who rents an apartment the ability to discover if it has lead contamination and have it safely removed before they take up residence.\textsuperscript{214}

A necessary part of this plan is also providing financing in order to ensure that landlords can remove lead hazards in a way that is economical.\textsuperscript{215} Rochester has asked the federal government for two million dollars to help defray landlords' costs.\textsuperscript{216} Without financing to help pay for lead abatements, Rochester risks creating an underground system of landlord/tenant arrangements that would completely circumvent the new code.

CONCLUSION

Eric and Matthew, the examples featured in the introduction, will never be able to reverse the devastating impact lead has had on their lives.\textsuperscript{217} Many other children in poverty will continue to suffer from lead poisoning as lead paint still exists in twenty-five percent of the nation's homes.\textsuperscript{218} With appropriate legislation, the nation should be able to reduce the number of Matthews and Erics.

Over time, Congress has been developing techniques that may be able to confront this problem. Through the small improvements shown under LPPPA\textsuperscript{219} and the new awareness of community needs displayed with EPCRA,\textsuperscript{220} Congress and EPA produced a new approach to environmental hazards. With RLPHRA, Congress showed an understanding of the public's need for knowledge.\textsuperscript{221} The President's Task Force\textsuperscript{222} and the "Common Sense"\textsuperscript{223} approach show a recognition that the community must be involved in decisions.

Changes must be made to RLPHRA so that it addresses the specific needs of people in poverty by explicitly covering oral leases and

\textsuperscript{214} See Edgecomb, supra note 206, at 1B.
\textsuperscript{216} Brian Sharp, Funding Sought for Lead Cleanup, ROCHESTER DEMOCRAT & CHRON., Feb. 22, 2006, at 1B.
\textsuperscript{218} See Jacobs, supra note 34, at A601.
\textsuperscript{219} See Tiller, supra note 77, at 267.
\textsuperscript{220} See Mitchell, supra note 79, at 347.
\textsuperscript{221} RLPHRA seeks to inform all lessees or purchasers of lead hazards within their home. Bruss, supra note 104.
\textsuperscript{222} PRESIDENT'S TASK FORCE, supra note 16.
\textsuperscript{223} Roberts, supra note 121, at 248.
by giving any child harmed by a violation of RLPHRA standing to sue. More importantly, Congress should look to Rochester's model for a way to more closely reach those people living in poverty. By examining every residence in the areas most commonly marred by lead hazards, Congress could use its limited environmental funds in a most useful manner. The Rochester Code gives a right to the poor that previously belonged only to those with the time and leisure to have their houses inspected for lead. At the same time, Congress must give greater incentives to landlords to abate apartments.

Successful legislation must focus on both the needs of the community and the costs to landlords. If the burden is not balanced between the costs to the landlord and the needs of their tenants, a system of discriminatory practices by landlords may emerge. The government's goal is to eliminate childhood lead poisoning by 2010, but with current legislation that goal does not seem likely. A strengthening of RLPHRA and an adoption of a community-supported lead prevention plan like that of Rochester, New York, could make the elimination of childhood lead poisoning more likely.

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224 Brunelli, supra note 199, at A100.
225 PRESIDENT'S TASK FORCE, supra note 16, at i.
226 See 42 U.S.C. § 4852d (2007) (requiring that a landlord or seller provide a pamphlet, disclose the presence of lead paint and allow for an inspection by the prospective buyer or renter).