

From: Hoang Anhthu
To: Harrison Brenda
Cc: Stein Jonathan; Vong Suong
Subject: FW: 1: A CIVIL RIGHTS VIOLATION: OCCUPANTS OF APARTMENTS FOUND CONTAMINATED WITH MERCURY IGNORED BY EPA
Date: Friday, February 17, 2023 12:15:30 PM
Attachments: [image001.png](#)
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[image006.png](#)
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[NJDEP_05_03 \(b\)\(6\) Privacy, \(b\)\(7\)\(C\) Enf. Privacy et al.pdf](#)
[NJDEP \(b\)\(6\) Privacy, \(b\)\(7\)\(C\) Enf. Privacy et al 2007.pdf](#)
[GARETANO EHP Hq 2006 PDF.pdf](#)
[GARETANO THESIS EXCERPTS 2006.doc](#)
[GARETANO et al SCI TOTAL ENVT 07 08.doc](#)
[EPA RARE GRANT PROPOSAL 2010 MSW.docx](#)
[\(b\)\(6\) Privacy, \(b\)\(7\)\(C\) Enf. Privacy EPA 01 29 16.pdf](#)
[\(b\)\(6\) Privacy, \(b\)\(7\)\(C\) Enf. Privacy NATURE 10 18 90.pdf](#)
[ZAYAS & OZUJAH 1996 AJPH cond.pdf](#)
[OZUJAH ET AL AMBULATORY PEDS ART JAN FEB 03.pdf](#)
[ATSDR TOX PROFILE 1999 EXCERPTS.docx](#)
[ROSETO ART 12 06 MSW.doc](#)
[NJDHSS RITUALISTIC Hq WEB SITE 06 03 10.docx](#)
[\(b\)\(6\) Privacy, \(b\)\(7\)\(C\) Enf. Privacy LANCET NEURO corrected 06 16 14.docx](#)
[\(b\)\(6\) Privacy, \(b\)\(7\)\(C\) Enf. Privacy ENVIRONMENTAL PRACTICE 06 05.pdf](#)
[WITTA \(b\)\(6\) Privacy 12 20 22.doc](#)

Hi Miss Brenda.

Would you please docket this complaint? Thanks.

From: (b)(6) Privacy, (b)(7)(C) Enf. Privacy
Sent: Thursday, February 16, 2023 9:49 PM
To: Tejada, Matthew (he/him/his) <Tejada.Matthew@epa.gov>; Engelman-Lado, Marianne (she/her/hers) <EngelmanLado.Marianne@epa.gov>; Dorka, Lilian <Dorka.Lilian@epa.gov>; Hoang, Anhthu <Hoang.Anhthu@epa.gov>; Joseph, Towana <Joseph.Towana@epa.gov>; Garcia, Lisa <Garcia.Lisa@epa.gov>
Cc: gochfeld@eohsi.rutgers.edu; Amanda.Medina-Forrester@doh.nj.gov; kandyce.perry@dep.nj.gov; McEathron, Kimberly (she/her/hers) <McEathron.Kimberly@epa.gov>; Hunt, JuanCarlos <Hunt.Juancarlos@epa.gov>; Darden, Cynthia <Darden.Cynthia@epa.gov>; (b)(6) Privacy, (b)(7)(C) Enf. Privacy
Subject: 1: A CIVIL RIGHTS VIOLATION: OCCUPANTS OF APARTMENTS FOUND CONTAMINATED WITH MERCURY IGNORED BY EPA

To: Matthew Tejada, PhD, MPhil, Deputy Assistant Administrator for Environmental Justice, **Office of Environmental Justice and External Civil Rights, US EPA** (202) 564-2515

To: Marianne Engelman-Lado, JD, MA, Acting Principal Deputy Assistant Administrator,
" " " " (202) 564-0012

To: Lilian Sotolongo Dorka, JD, Deputy Assistant Administrator for External Civil Rights " " " " (202) 564-9649

To: Anthu Hoang, JD, PhD, Acting Deputy Director, External Civil Rights Compliance, Office of General Counsel, **US EPA** (212) 637-5033

To: Towana Joseph, Environmental Justice Coordinator, **EPA R2** (212) 637-3866

To: Lisa F. Garcia, JD, Regional Administrator, **EPA R2** (212) 637-5000

Cc: Michael Gochfeld, MD, PhD, Professor Emeritus, **Environmental & Occupational Health Sciences Institute (EOHSI)** (848) 445-6083

Cc: Amanda Medina-Forrester, MA, MPH, Executive Director, **Office of Minority Health, NJDOH** (609) 292-6962 <https://www.nj.gov/health/ommh/>

Cc: Kandyce Perry, MS, Director, **Office of Environmental Justice, NJDEP** (609) 292-2908
<https://www.nj.gov/dep/ej/>

Cc: Kimberly McEathron, MSc, Special Assistant - Office of the Regional Administrator, **EPA R2**

Cc: JuanCarlos Hunt, JD, Director, **Office of Civil Rights, US EPA** (202) 564-7272

Cc: Cynthia Darden, Deputy Director, **Office of Civil Rights, US EPA** (202) 564-1587

From: (b)(6) Privacy, (b)(7)(C) Enf. Privacy

Dear Dr. Tejada, Ms. Engleman-Lado, Ms. Dorka, Dr. Hoang & Ms. Garcia, (Cc: et al.),

In my legal/bureaucratic naivete I mistakenly thought that after long having put the issue of magico-religious mercury exposure to EPA's Office of Environmental Justice, and in particular, to Ms. Garcia and Dr. Tejada, and having no substantive response from them, that I ought to try my hand with EPA's Office of Civil Rights. I was evidently mis-taken, and am now once again, putting the issue, this time a very well defined and specific aspect of it, to the Office of Environmental Justice and External Civil Rights.

All the points made, and documents submitted to the OCR in my email of this morning are equally, in fact even more applicable to the OEJECR and the leadership of EPA R2.

By way of coincidence, Ms. Dorka, grew up in Union City, NJ, the site of the attached NJDEP's attached research, whose suppressed findings form the centerpiece of my civil rights complaint.

Another coincidence is that Dr. Hoang and I corresponded some years ago, in her role in the EJ Report of the NYC Mayor's Office, which she and her EJ associates omitted to mention the issue of magico-religious mercury contamination of Caribbean and Latino housing, as well as the larger environment, about which I had submitted copious documentation.

However, that aside, I am again submitting my Civil Rights and Environmental In-Justice concerns and accusations to you all, at the recommendation of Dr. Hunt, in the expectation that you will assess the facts, and act on them, in order to prevent the ongoing domestic mercury vapor exposure in Union City and West New York, NJ, as well as in similar Caribbean and Latino communities in the continental United States and especially in Puerto Rico.

I am formally requesting that the Office of Environmental Justice and External Civil Rights investigate my complaint and respond in a timely manner with *substantive findings*.

Sincerely yours,

(b)(6) Privacy, (b)(7)(C) Enf. Privacy

"Nil desperandum"

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From: Hunt, JuanCarlos Hunt.Juancarlos@epa.gov

Sent: Thursday, **February 16, 2023 6:17 PM**

To: (b)(6) Privacy, (b)(7)(C) Enf. Privacy Darden, Cynthia Darden.Cynthia@epa.gov

Cc: Tejada, Matthew (he/him/his) Tejada.Matthew@epa.gov; Garcia, Lisa Garcia.Lisa@epa.gov; Joseph, Towana Joseph.Towana@epa.gov; gochfeld@eohsi.rutgers.edu; Amanda.Medina-Forrester@doh.nj.gov; kandyce.perry@dep.nj.gov;

McEathron, Kimberly (she/her/hers) McEathron.Kimberly@epa.gov

Subject: RE: 1: A CIVIL RIGHTS VIOLATION: OCCUPANTS OF APARTMENTS FOUND CONTAMINATED WITH MERCURY IGNORED BY EPA

Good afternoon, all,

(b)(6) Privacy, (b)(7)(C) Enf. Privacy, thank you for contacting EPA's Office of Civil Rights (OCR). OCR addresses civil rights employment issues of EPA employees and persons applying for employment at EPA. Because the issue you raised in your email to OCR is not an EPA employment related matter, OCR cannot address it.

I started to forward your concern to EPA's Office of Environmental Justice and External Civil Rights (OEJECR) and to Region 2. However, I noticed that in the email you sent to me and OCR Deputy Director Cynthia Darden you included leadership from OEJECR and Region 2. Moreover, in reviewing your communication to OCR, I observed that on February 13, 2023, OEJECR Deputy Assistant Administrator Matthew Tejada sent you an email regarding this matter. Nonetheless, I still wanted to reply to acknowledge receipt of your email.

In closing, I appreciate you reaching out to EPA, OCR regarding this matter. That said, OCR does not have jurisdiction to review this issue.

Sincerely,

JuanCarlos M. Hunt
Director, Office of Civil Rights
U.S. Environmental Protection Agency
1200 Pennsylvania Avenue, NW
Washington, DC 20460
Phone: 202-564-0077

"Carpe diem"

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From: (b)(6) Privacy, (b)(7)(C) Enf. Privacy

Sent: Thursday, February 16, 2023 11:35 AM

To: Hunt.JuanCarlos@epa.gov; Darden.Cynthia@epa.gov

Cc: tejada.matthew@epa.gov; 'Garcia, Lisa' <Garcia.Lisa@epa.gov>; 'Joseph, Towana' <Joseph.Towana@epa.gov>; gochfeld@eohsi.rutgers.edu; Amanda.Medina-Forrester@doh.nj.gov; kandyce.perry@dep.nj.gov; 'McEathron, Kimberly (she/her/hers)' <McEathron.Kimberly@epa.gov>; (b)(6) Privacy, (b)(7)(C) Enf. Privacy

Subject: 1: A CIVIL RIGHTS VIOLATION: OCCUPANTS OF APARTMENTS FOUND CONTAMINATED WITH MERCURY IGNORED BY EPA

To: JuanCarlos Hunt, JD, Director, **Office of Civil Rights, US EPA** (202) 564-7272
www.epa.gov/aboutepa/about-office-civil-rights-ocr

To: Cynthia Darden, Deputy Director, **Office of Civil Rights, US EPA** (202) 564-1587
www.epa.gov/aboutepa/about-office-civil-rights-ocr

Cc: Matthew Tejada, PhD, MPhil, Deputy Assistant Administrator for Environmental Justice, **Office of Environmental Justice and External Civil Rights, US EPA** (202) 564-2515

Cc: Lisa F. Garcia, JD, Regional Administrator, **EPA Region 2** (212) 637-5000

Cc: Towana Joseph, Environmental Justice Coordinator, **EPA R2** (212) 637-3866Cp

Cc: Michael Gochfeld, MD, PhD, Professor Emeritus, **Environmental & Occupational Health Sciences Institute (EOHSI)** (848) 445-6083 <https://eohsi.rutgers.edu/eohsi-directory/name/michael-gochfeld/>

Cc: Amanda Medina-Forrester, MA, MPH, Executive Director, **Office of Minority Health, NJDOH** (609) 292-6962 <https://www.nj.gov/health/ommh/>

Cc: Kandyce Perry, MS, Director, **Office of Environmental Justice, NJDEP** (609) 292-2908
<https://www.nj.gov/dep/ej/>

Cc: Kimberly McEathron, MSc, Special Assistant - Office of the Regional Administrator, **EPA R2**

From: (b)(6) Privacy, (b)(7)(C) Enf. Privacy

Dear Director Hunt & Deputy Director Darden,

I'm contacting the Office of Civil Rights, regarding a series of longstanding civil rights violations relating to elemental mercury contamination of primarily ethnically Caribbean and Latino homes, consequent to magico-religious / ritualistic / cultural mercury use; most specifically, and most problematically, the ritualistic sprinkling of elemental mercury on floors of homes, in unit weights of ~10 grams, frequently repeatedly

applied, in the (possibly misguided) belief, that elemental mercury attracts good and repels evil.

The EPA has been aware of these practices since I initially described them in the journal *Nature* in 1990 (attached), and despite having given lip-service to assessing and addressing them, from a *substantive* perspective, nothing has been done to assess the threat of mercury vapor inhalation, mostly at second-hand, and to protect these minority communities from their ongoing exposure, in particular to developmentally neurotoxic levels of mercury vapor in their homes. (attached: (b)(6) Privacy, (b)(7)(C) Enf. Privacy LANCET NEURO corrected 06 16 14)

The magnitude of the problem can be seen from the attached 1996 study of ritualistic mercury sales in The Bronx, (NY ZAYAS & OZUAH 1996 AJPH); and elevated urinary mercury levels in Bronx children believed due to the ritualistic use of mercury (OZUAH ET AL AMBULATORY PEDS ART JAN FEB 03). Responding to this and other research, the ATSDR, in its March 1999 Toxicological Profile for Mercury (excerpts attached ATSDR TOX PROFILE 1999 EXCERPTS) stated:

A unique exposure pathway that has received little research attention is the exposure to children from religious and ethnic uses in homes and cars or in remedies containing metallic mercury (ATSDR 1997; Johnson [in press]; (b)(6) Privacy, (b)(7)(C) Enf. Privacy 1990, 1991). In some religious practices of Latin American or Caribbean origin, there are traditional rituals or remedies that involve mercury. These include intentional sprinkling of liquid elemental mercury on the floor, burning candles made with mercury, using mercury in baths, adding it to perfume, or wearing small containers of mercury around the neck for good luck. **There is an urgent need to obtain information on the levels of exposure from these practices to determine if children or adults are at risk.** Mercury vapor concentrations may be much higher after use during the winter months when the heat is turned on and the windows are closed, so data that reflect a variety of possible exposure scenarios are also needed. (p. 480)

As the data available from the aforementioned published studies prior to March 1999 made clear, there was significant ritualistic use of elemental mercury in representative Caribbean communities, and therefore, if the measurements that the ATSDR deemed “an urgent need” were to be made in such communities, there would be a virtual certainty that dwellings with mercury vapor levels at or above 20µgHg/m³, would be found. These contaminated dwellings would then have to be evacuated, precipitating intense media coverage, leading to the public becoming aware of their potential peril, and suggesting to concerned parents, and in particular, to parents-to-be, to visit their health care providers, requesting that they and their children be tested for elevated biomarker mercury levels, as they suspected that their homes were likely contaminated by current or historical ritualistic mercury spills. The number of individuals with elevated biomarker levels would snowball as more were found and the media would belatedly report.

To obviate this scenario, it *appears* that researchers at the New Jersey Department of Environmental Protection (NJDEP)’s Division of Science Research & Technology, (whose logo states that its role is “Linking Science to New Jersey’s Environmental Decision Making”), devised a clever, (albeit unethical) work-around of the ATSDR’s recommendations. Instead of measuring mercury vapor levels *inside* occupied dwelling units, they decided to measure vapor levels *outside*, in the unoccupied public hallways and vestibules of multi-family apartment buildings. They, and the IRB/s that vetted their research proposal, evidently were of the *opinion* that as no human subjects were *directly* involved, it would be acceptable practice that occupants of apartments emitting problematic levels of mercury vapor into hallways, need not be informed of their peril. In order to further reinforce this *misguided* and *unethical* NJDEP research design, the Office of Minority Health (OMH), of the New Jersey Department of Health (NJDOH), instructed the NJDEP researchers to keep their findings of elevated mercury vapor levels emanating from under the doors of apartments and into hallways from the occupants of those apartments!

This at the very least **appears to be a violation of the civil rights** of occupants of homes found to be contaminated by state agencies (NJDEP & NJDOH), as well as by the failure of oversight by the EPA, whose senior leadership was aware of this suppression of information, yet failed/refused to intervene and safeguard the health of the aforementioned occupants of mercury-contaminated apartments.

I am therefore formally requesting that the Office of Civil Rights investigate my complaint, and respond in a timely manner with *substantive* findings.

Sincerely yours,

(b)(6) Privacy, (b)(7)(C) Enf. Privacy

PS: I will be sending one or more numbered emails with follow-up and background information on EPA’s

substantive suppression of this issue, over a period of >30 years.

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Was it a **violation of the Precautionary Principle**, for the New Jersey Department of Environmental Protection (NJDEP), having identified apartments in Union City, NJ, and West New York, NJ, emitting problematic levels of mercury vapor into their common hallways and vestibules, yet not inform occupants of the health risks this posed to them, their fetuses, infants and children?

Was it **antithetical to the principles of Environmental Justice**, for NJDEP researchers, having located apartments emitting problematic levels of mercury vapor into public hallways, failing to inform occupant/s that their homes mercury contamination posed a significant health risk?

Was it a **violation of professional ethics**, for the NJDEP researchers having identified apartments emitting problematic levels of mercury vapor, but not informing occupant/s of those mercury-contaminated apartments?

Was it simply **immoral**, for these researchers to have been aware of apartments emitting problematic levels of mercury vapor, yet not informing occupant/s of the health threat this presented?

Was it a **civil rights violation / criminal act**, for a team of NJDEP researchers, employed to measure mercury vapor levels in occupied apartment buildings, who either *prior to* their locating numerous apartments emitting problematic levels of mercury vapor, *or after* locating such contaminated apartments, were specifically instructed by the Office of Minority Health (OMH) of the New Jersey Department of Health (NJDOH) not to notify occupants of mercury-contaminated apartments, and not offer to have their apartments mercury vapor levels measured, and their health status ascertained.

Was it a **civil rights violation / criminal act**, for an official or officials of the OMH, to order the NJDEP researchers to refrain from informing occupants of their apartment's elevated, and likely dangerous, mercury vapor levels?

Senior leadership of the Environmental Protection Agency, Region 2 (EPA R2), specifically Regional Administrator Judith Enck, and Mark Maddaloni, DPH, senior

toxicologist and Regional Risk Assessment Coordinator in the Office of the Regional Administrator for EPA R 2) were aware of the aforementioned

NJDEP findings of elevated apartment mercury vapor levels, and of the failure of the NJDEP and NJDOH to inform occupants, and assess their

indoor apartment mercury vapor levels. Did their **individual and collective indifference** to ensuring that the health of the occupants of said

apartments was protected by acting to notify occupants of elevated mercury vapor levels, offering to test their dwellings for elevated mercury vapor

levels, and when necessary to decontaminate dwellings found with actionable levels (evacuation indoor Hg⁰ vapor level 20µgHg/m³, reoccupation

level 1µgHg/m³); fall into any of the aforementioned **violations of acceptable conduct** and/or **civil rights violations** of individuals in their position?

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From: Tejada, Matthew (he/him/his) Tejada.Matthew@epa.gov

Sent: Monday, **February 13, 2023** 1:48 PM

To: (b)(6) Privacy, (b)(7)(C) Enf. Privacy

Subject: RE: EPA's OFFICE OF ENVIRONMENTAL JUSTICE'S REFUSAL TO INVESTIGATE THE FAILURE OF THE NJDEP TO INFORM OCCUPANTS OF MERCURY-CONTAMINATED DWELLINGS OF THEIR ONGOING EXPOSURE TO MERCURY VAPOR -- AN EGREGIOUS ENVIRONMENTAL IN-JUSTICE!

Thank you (b)(6) Privacy, (b)(7)(C) Enf. P There is new leadership in Region 2 under Lisa Garcia's time as Regional Administrator. I will ensure that they are made aware of this as localized contamination issues are a regional responsibility.

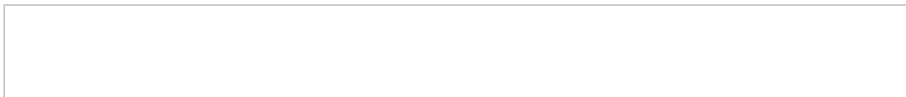
Sincerely,
Matthew

Matthew Tejada
Deputy Assistant Administrator for Environmental Justice
Office of Environmental Justice and External Civil Rights
US Environmental Protection Agency
202-360-6867 (cell)

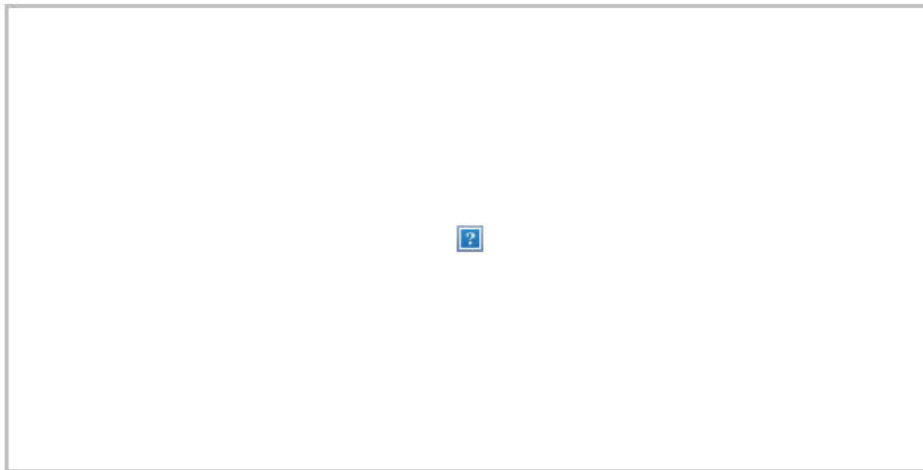
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Correspondence from EPA officials to (b)(6) Privacy, (b)(7)(C) Enf. Privacy

← These are USPS "snail-mail's" and for the most part, do *not* include many more emails!







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http://www.state.nj.us/health/eoh/cehsweb/hcp_culturalmercury.html

[See attached NJDHHS Hg WEB

SITE 06 03 10]

[Web page published on June 3, 2009]



Mercury and the Health Care Provider: Uncommon but Potentially Significant Exposures to New Jersey Residents

The New Jersey Department of Health and Senior Services is developing a website for health care providers on your patients' potential exposures to mercury from [cultural practices](#), consumer products, and other uncommon sources. These may be significant exposures to relatively small populations in NJ. While the full site is being developed, we are providing several of the background documents for your use.

Mercury and the Health Care Provider: Uncommon but Potentially Significant Exposures to New Jersey Residents

The New Jersey Department of Health and Senior Services is developing a website for health care providers on your patients' potential exposures to mercury from [cultural practices](#), consumer products, and other uncommon sources. These may be significant exposures to relatively small populations in NJ. While the full site is being developed, we are providing several of the background documents for your use.



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As is evident from the documentation below, EPA has been aware of the mercury contamination of housing for several decades, yet has made no *substantive* effort to assess and address it.



About 222 results (0.08 sec)

[Mercury use and exposure among Santeria practitioners: religious versus folk practice in northern New Jersey, USA](#)

[C Alison Newby, DM Riley, TO Leal-Almeraz](#) - Ethnicity and Health, 2006 - Taylor & Francis

... community in northern **New Jersey**, we examine the various types of **mercury** use and their ... most widely practiced Afro-Cuban religions, **Santeria** and Palo Mayombe, and an attempt to ...

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[\[PDF\] nih.gov](#)

[Assessing elemental mercury vapor exposure from cultural and religious practices.](#)

[DM Riley, CA Newby, TO Leal-Almeraz](#)... - Environmental Health ..., 2001 - ehp.niehs.nih.gov

... Popular books for home practitioners of **Santeria** (8,9) include spells that use **mercury**, but do ... We visited 15 botanicas in **New Jersey**, **New York**, and Pennsylvania and engaged in con...

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[\[PDF\] psu.edu](#)

[Incorporating ethnographic methods in multidisciplinary approaches to risk assessment and communication: cultural and religious uses of mercury in Latino and ...](#)

DM Riley, CA Newby, TO Leal-Almeraz - Risk Analysis, 2006 - Wiley Online Library

... **Santeria** practices as a source of **mercury** contamination, we focused our work on **mercury** use in religious practice in northern **New Jersey's** ... community of '**Santeria**,' **mercury** is believed ...

[SaveCiteCited by 28Related articlesAll 12 versions](#)

[\[HTML\] google.com](#)

[\[HTML\] Assessing Elemental Mercury Vapor Exposure from Cultural and Religious](#)

DM Riley, CA Newby, TO Leal-Almeraz... - Environmental Health ..., 1993 - books.google.com

... the **mercury** used in ers of **Santeria** (8, 9) include spells that use cury use outside of **Santeria**;

... We visited 15 botanicas in **New Jersey**, **New York**, and Pennsylvania and engaged in con...

[SaveCiteRelated articles](#)

[Cases of mercury exposure, bioavailability, and absorption](#)

M Gochfeld - Ecotoxicology and environmental safety, 2003 - Elsevier

... are attractive to humans, and children have been known to bring **mercury** home to play with.

Cultural practices such as **Santeria** also result in household exposures to elemental **mercury**...

[SaveCiteCited by 626Related articlesAll 10 versions](#)

[\[PDF\] nih.gov](#)

[Comparison of indoor mercury vapor in common areas of residential buildings with outdoor levels in a community where mercury is used for cultural purposes](#)

G Garetano, M Gochfeld, AH Stern - Environmental Health ..., 2006 - ehp.niehs.nih.gov

... As a first step in assessing this phenomenon, we compared **mercury** vapor ... , in two **New Jersey** cities where **mercury** is available and is used in cultural practices. We measured **mercury** ...

[SaveCiteCited by 25Related articlesAll 15 versions](#)

[\[PDF\] thelancet.com](#)

(b)(6) Privacy, (b)(7)(C) Enf. Privacy

[\[PDF\] researchgate.net](#)

[A Santería/Palo Mayombe ritual cauldron containing a human skull and multiple artifacts recovered in western Massachusetts, USA](#)

JT Pokines - Forensic Science International, 2015 - Elsevier

... **Santería** today is not limited to those of ... for **Santería** offerings to be left due to the desire to achieve positive outcomes in court cases. One such offering left in a courtroom in **New Jersey** ...

[SaveCiteCited by 20Related articlesAll 7 versions](#)

[\[HTML\] nih.gov](#)

[Population-based inorganic mercury biomonitoring and the identification of skin care products as a source of exposure in New York City](#)

W McKelvey, N Jeffery, N Clark, D Kass... - Environmental Health ..., 2011 - ehp.niehs.nih.gov

... We learned from store owners that products were being distributed by wholesalers in **New**

Jersey, which led the **New Jersey** Department of Health and Senior Services to launch an ...

[SaveCiteCited by 100Related articlesAll 15 versions](#)

[\[HTML\] nih.gov](#)

[\[HTML\] Mercury exposure: medical and public health issues](#)

KR Mahaffey - Transactions of the American Clinical and ..., 2005 - ncbi.nlm.nih.gov

... A cluster of cases in **New York** has been ... **mercury** from **mercury** to be used in **mercury**-filled amulets prepared for practitioners of **Santeria** were the source of elevated urinary **mercury** ...

[SaveCiteCited by 161Related articlesAll 10 versions](#)

Related searches

[santeria practitioners northern new jersey mercury use northern new jersey](#)

[\[BOOK\] An evaluation of potential exposure to mercury in a community where elemental mercury is used for cultural purposes](#)

GS Garetano - 2006 - search.proquest.com

... **mercury** vapor concentration in common areas of residential buildings versus outdoor air in

two **New Jersey** cities where **mercury** is ... such as Palo Mayumbe, **Santeria**, and Voodoo have ...

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[\[CITATION\] CULTURAL USES OF MERCURY IN NEW JERSEY](#)

M Gochfeld, A Newby, T Leal

[SaveCiteRelated articles](#)

[\[PDF\] academia.edu](#)

[Magico-religious mercury use in Caribbean and Latino communities: pollution, persistence, and politics](#)

... with **Santeria**, Espiritismo, and Voodoo attribute to **mercury** ... In these neighborhoods, elemental **mercury** is sold for magico... **New York/New Jersey** harbor, the median source of **mercury** ...
[SaveCiteCited by 19Related articlesAll 7 versions](#)
[\[PDF\] scielo.br](#)

[\[PDF\] **A review of events that expose children to elemental mercury in the United States**](#)

R Lee, D Middleton, K Caldwell, S Dearwent... - *Ciência & Saúde* ..., 2010 - SciELO Brasil
... We reviewed federal, state, and regional programs with data on **mercury** ... **Mercury** use and exposure among **Santeria** practitioners: religious versus folk practice in northern **New Jersey**, ...
[SaveCiteCited by 10Related articlesAll 17 versions](#)
[\[PDF\] nih.gov](#)

[A review of events that expose children to elemental mercury in the United States](#)

R Lee, D Middleton, K Caldwell... - *Environmental* ..., 2009 - ehpniehs.nih.gov
... Some states have developed policy initiatives to reduce the potential for **mercury** exposure. For example, after the event at the **New Jersey** child care, the State of **New Jersey** passed a ...
[SaveCiteCited by 47Related articlesAll 15 versions](#)
[\[PDF\] psu.edu](#)

[\[PDF\] **TASK FORCE ON RITUALISTIC USES OF MERCURY REPORT**](#)

RUOF **MERCURY** - Citeseer
... Most data have been gathered in the **New York** metropolitan area. Not enough attention ... **mercury** and their underlying belief systems. **Mercury** use is often casually attributed to **Santeria**, ...
[SaveCiteRelated articlesAll 6 versions](#)
[\[PDF\] cdc.gov](#)

[\[PDF\] **Children's exposure to elemental mercury: a national review of exposure events**](#)

RE Besser - 2009 - stacks.cdc.gov
... In Franklinville, **New Jersey**, an industrial ... **mercury** refers to metallic **mercury**, a silvery liquid that vaporizes slowly at room temperature. Specifically excluded from this report are **mercury** ...
[SaveCiteCited by 2Related articlesAll 4 versions](#)

[\[BOOK\] **When God Isn't Green: A World-Wide Journey to Places Where Religious Practice and Environmentalism Collide**](#)

J Wexler - 2016 - books.google.com
... In the United States, members of the **Santeria** faith sacrifice animals and splash **mercury** in ... Eventually, the **New Jersey** DEP went to court and got an order requiring the rabbi to dig up ...
[SaveCiteCited by 16Related articlesAll 3 versions](#)

[Elemental mercury poisoning in a family of seven](#)

D Cherry, L Lowry, L Velez, C Cotrell... - *Family and Community* ..., 2002 - JSTOR
... preparing amulets for practitioners of the Afro-Caribbean religion **Santeria**.3 He and his ... disposes of **mercury** waste products. For instance, a five-story building in **New Jersey** previously ...
[SaveCiteCited by 33Related articlesAll 8 versions](#)

[Contemporary cultural alterations to bone](#)

JM Paoletto, AR Klales - *Manual of forensic taphonomy*, 2014 - api.taylorfrancis.com
... The beliefs of **Santeria** stem from the African slave trade in ... The early, or formative, period of **Santeria** in Cuba developed from ... **Santeria** is becoming less of an underground religion. ...
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...

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[Santeria and Palo Mayombe: skulls, mercury, and artifacts](#)

JR Gill, CW Rainwater, BJ Adams - *Journal of forensic* ..., 2009 - Wiley Online Library
... of **mercury** on the porch of a neighbor whose business was making **mercury**-filled amulets for practitioners of **Santeria**. ... they hit a large globule of **mercury** with a hammer and watched its ...
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C Alison Newby, DM Riley, TO Leal-Almeraz - *Ethnicity and Health*, 2006 - Taylor & Francis
... **Santeria** practitioners use and do not use **mercury** in religious rituals, and their impacts on exposure to **mercury** ... **mercury** use as well as respondents' knowledge of the health hazards of ...
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[Elemental mercury use in religious and ethnic practices in Latin American and Caribbean communities in New York City](#)

C Johnson - Population and Environment, 1999 - Springer

... The Connecticut study focused on the use of **mercury** among **Santeria** believers in the Hispanic community of Hartford. Our survey focused on **mercury** use in folk medicine and in ...

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[Assessing elemental mercury vapor exposure from cultural and religious practices.](#)

DM Riley, CA Newby, TO Leal-Almeraz... - Environmental Health ..., 2001 - ehp.niehs.nih.gov

... **mercury** ..., **mercury** use and the hazards it poses to practitioners have not been a focus of this work. Popular books for home practitioners of **Santeria** (8,9) include spells that use **mercury**, ...

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[Folk use of elemental mercury: a potential hazard for children?](#)

PO Ozuah - Journal of the National Medical Association, 2001 - ncbi.nlm.nih.gov

... taken from the home of a neighbor who operated a business preparing **mercury**-filled amulets for practitioners of **Santeria**. **Mercury** levels in the children were in a very high toxic range ...

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[Incorporating ethnographic methods in multidisciplinary approaches to risk assessment and communication: cultural and religious uses of mercury in Latino and ...](#)

DM Riley, CA Newby, TO Leal-Almeraz - Risk Analysis, 2006 - Wiley Online Library

... of '**Santeria**,' **mercury** is believed to be a source of power and luck. Believers buy the ... In **Santeria** there are various ways in which **mercury** may be used to address what, in this belief ...

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[\[PDF\] A review of the use of mercury in historic and current ritualistic and spiritual practices](#)

LC Masur - Alternative Medicine Review, 2011 - refp.cohlife.org

... all-too-common **Santeria** practice of sprinkling **mercury** in and around ... **mercury** cost \$2-10 each and contain about 10 g of **mercury**. With increasing access to the internet, liquid **mercury** ...

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[Technical report: mercury in the environment: implications for pediatricians](#)

LR Goldman, MW Shannon... - ..., 2001 - publications.aap.org

... in **Santeria**, which is practiced by some immigrants from Haiti and other island nations. In **Santeria** rituals, elemental **mercury** is ... Unfortunately, this **mercury** vaporizes and may expose ...

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[A cluster of pediatric metallic mercury exposure cases treated with meso-2, 3-dimercaptosuccinic acid \(DMSA\)](#)

J Forman, J Moline, E Cernichiari... - Environmental ..., 2000 - ehp.niehs.nih.gov

... business, where **mercury**-filled amulets were reportedly prepared for practitioners of the AfroCaribbean religion **Santeria**. The oldest child found a 6-oz vial of **mercury** on the neighbor's ...

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[A Santería/Palo Mayombe ritual cauldron containing a human skull and multiple artifacts recovered in western Massachusetts, USA](#)

JT Pokines - Forensic Science International, 2015 - Elsevier

... Ritual objects and offerings from practitioners of **Santería** and Palo Mayombe are ... centers with large numbers of practitioners of **Santería** and Palo Mayombe. **Santería** ("the way of the ...

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KR Mahaffey - Transactions of the American Clinical and ..., 2005 - ncbi.nlm.nih.gov

... Espiritismo, voodoo, and **Santeria** (60). A ... **mercury** from **mercury** to be used in **mercury**-filled amulets prepared for practitioners of **Santeria** were the source of elevated urinary **mercury** ...

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DM Riley, CA Newby, TO Leal-Almeraz... - Environmental Health ..., 1993 - books.google.com

... , much of the **mercury** used in ers of **Santeria** (8, 9) include spells that use cury use outside of **Santeria**; similarly, Zayas folk medicine and religious practice may be **mercury**, but do not ...

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Subcutaneous injection of mercury:“warding off evil”

VL Prasad - Environmental Health Perspectives, 2004 - ehp.niehs.nih.gov
... is sold as “azogue” in religious stores, or botanicas, for use in Esperitismo (spiritual belief in Puerto Rico), **Santeria** (Cuban practices), and voodoo. The **mercury** is often carried ...
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RC Țincu, C Cobilinschi, Z Ghiorghiu... - Romanian journal of ..., 2016 - ncbi.nlm.nih.gov
... use **mercury** as the main element in occult activities such as worshipping Saints (**Santeria**), ...
Santeria followers believe that **mercury**'s supernatural powers are determined by its liquid ...
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Cases of mercury exposure, bioavailability, and absorption

M Gochfeld - Ecotoxicology and environmental safety, 2003 - Elsevier
... are attractive to humans, and children have been known to bring **mercury** home to play with. Cultural practices such as **Santeria** also result in household exposures to elemental **mercury**...
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RUOF **MERCURY** - Citeseer
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C HernandezRamdwar - ... Implications for health and mental health, 2013 - books.google.com
... **Mercury** use and exposure among **Santeria** practitioners: Religious versus folk practice in northern New Jersey, USA. Ethnicity and Health, 11 (3), 287–306. Nodal, R., & Ramos, M....
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... In New York City, neurotoxic levels of **mercury** vapor from magicoreligious and ethnomedical uses of **mercury** have been reported (b)(6) Privacy, (b)(7)(C) Enf. Privacy personal communication). Wastewater ...

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... (b)(6) Privacy, (b)(7)(C) Enf. Privacy 1990; Zayas & Ozuah 1996; Chicago Department of Public Health 1997; Johnson 1999). **Mercury** ... containing approximately nine grams of **mercury** (b)(6) Privacy, (b)(7)(C) Enf. Privacy 1990). Reported ...

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LA Geer, MD Persad, CD Palmer... - Journal of ..., 2012 - pubs.rsc.org

... instance (b)(6) Privacy, (b)(7)(C) Enf. Privacy loses sight of the primary goals of our study. We firmly reject (b)(6) Privacy, (b)(7)(C) Enf. Privacy assertion that we did not "adequately consider the role of magico-religious **mercury** use". In fact...

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P Grandjean, PJ Landrigan - The Lancet Neurology, 2014 - thelancet.com

... neurotoxicity from exposure to **mercury** vapour. As elemental **mercury** might soon be added ... evidence-informed prevention of **mercury** exposures suggested by (b)(6) Privacy, (b)(7)(C) Enf. Privacy In writing our ...

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A reported by Warner - Health Perspect, 1996 - Citeseer

... than (methyl) **mercury** exposures from eating fish or from the leaching of **mercury** in amalgam fillings. Additionally, the **mercury** vapor released from **mercury** intentionally sprinkled on ...

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M Gochfeld, A Newby, T Leal

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P Mushak - Environmental Health Perspectives, 1997 - JSTOR

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[Mercury vapor in residential building common areas in communities where mercury is used for cultural purposes versus a reference community](#)

G Garetano, AH Stern, M Robson... - Science of the total ..., 2008 - Elsevier

... In the latter we identified an accidental **mercury** spill from a bottle that had been brought into the building. Both the mean and maximum indoor **mercury** vapor levels were greater in the ...

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LH Zayas, PO Ozuah - American Journal of Public Health, 1996 - ajph.aphapublications.org

... However, we recommend also that the dangers of **mercury** be sensitively separated from the social-psychological benefits of spiritualism. In inner-city Hispanic communities, espiritismo ...

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[Mercury exposure in an urban pediatric population](#)

PO Ozuah, MS Lesser, JS Woods, H Choi... - Ambulatory ..., 2003 - Elsevier

... elemental **mercury** exposure ... **mercury** (Hg), as a marker of exposure, in a population of children drawn from an inner-city community with documented easy access to elemental **mercury**. ...

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