Mr. John Kieling, Chief  
Hazardous Waste Bureau  
New Mexico Environment Department  
2950 Rodeo Park Dr. E, Bldg. 1  
Santa Fe, NM 87505

Dear Mr. Kieling,

I wish to submit a public comment regarding the conditional approval granted to Sandia National Laboratories’ (SNL) Certificate of Completion for its permit to store high-level nuclear waste. I strongly oppose the granting of a permit allowing the permanent storage of such high-level waste, along with other carcinogens and volatile compounds, to SNL. The landfill currently being used is in no way suited to the long-term storage of these materials. It contains no liner and is essentially a series of pits in the earth. If construction of such a facility was proposed today, it would violate both state and federal laws regarding the regulation of radioactive and toxic wastes.

Further, SNL has clearly not complied with the conditions of their permit as they have not completed the required excavation and removal feasibility study. Given that investigations in 1994 found high levels of volatile organic compounds and tritium in the subsoil, and analyses of water wells detected elevated cadmium, chromium, and nickel concentrations, it is almost certain that the storage facility has been breached and material may well be moving toward groundwater, if it is not there already. Thus there are many proponents for excavating the landfill and building an advanced, secure facility for permanent storage.

Finally, it is worth considering the words of Sandia engineer John Cochrane, who has publicly insisted that the current facility is safe. When asked how he was so certain that waste from the site has not and will not make its way to groundwater, he replied, “These are unlined pits holding high-level nuclear wastes, after all. I know. It feels wrong.” It doesn’t just feel wrong, it clearly is wrong.  

Again, I would like to recommend that SNL’s permit request be denied.

Sincerely,

John Mulhouse, M.S.

1112 Roma Ave. NE  
Albuquerque, NM 87106

jmhouse@cityofdust.com

cc: John Weckerle
To the Office of the Inspector General C/O David Sedillo:

I am writing to express my concern regarding the efforts of Sandia National Laboratory to obtain a corrective action complete status for the MWL. I would like a public hearing to take place before this status is granted. I think the public has a right to hear the pros and cons of the future of this landfill due to the vast quantity of toxic wastes that have been deposited into this unlined pit for nearly 30 years from 1959 until 1988. This landfill poses a risk to the aquifer from which we get our drinking water as well as a possible risk of explosion from the mix of wastes buried there, i.e. metallic sodium canisters. Sandia should review the feasibility of excavation of this site and not simply continue to leave it buried and claim their actions are complete without public comment and review.

Sincerely,

Marilyn Lohr
marilynlohr@rocketmail.com
12-06-14

Dear Sir,

I urge you to do whatever needs doing in order to prevent problems of contamination regarding Sandia toxic waste. Please take this situation into personal consideration. Just do whatever you can do for your children or children of loved ones. This is in regard to the Nuclear Meltdown, Welcome to Albuquerque article in the Alibi.

Thank you,
Sarah J. Smith
From: RubyQ [mailto:rubyquail@gmail.com]  
Sent: Saturday, December 06, 2014 6:36 PM  
To: ighotline@hq.doe.gov; Kieling, John, NMENV  
Subject: Sandia Lab Mixed Waste Landfill - URGENT

Dear Mr. Sedillo:

I am grateful that the Environment Department is paying close attention to LANL's failure to protect the public, present and future. I hope our lives are worth more than the paper (Corrective Action Complete) and will be taken seriously. Addressing Sandia's MWL will be a good test.

The frightening fact that nuclear waste is dumped in exposed landfills, covered by dirt (a cover up), along with other major toxins (lead, etc.) and carcinogens, is alarming and even shocking.

Officials dismiss my grandchildren and their children by claiming that ground water and the environment is "safe enough" from this nuclear waste. The knowledge that monitoring wells were misplaced and not corrected, is shameful. The money needed to clean it up isn't in the budget and therefore it seems that if the public is unaware because news sources have not reported much (or often) about the MWL, then less urgent items can be budgeted instead. But, my grandchildren will get sick and die and I refuse to ignore this fact - be accountable, at least. Ethics and morality are important when deciding whether or not to make a big deal out of radioactive nuclear waste, lead, radioactive metals, known carcinogens because this *will* end up in the environment unless a carefully engineered disposal plan is implemented immediately.

Water monitoring wells were misplaced, failing to monitor and report the bad news - that indeed, long term damage is inevitable. And yet, there it is (an urgent environmental situation) and I doubt most people in New Mexico have been made aware of how officials have neglected an unsafe nuclear dump.

Public health is in serious jeopardy and that fact is known; our drinking water is dangerously tainted already; life is hanging on the decisions (and lack thereof) of those who have the power to demand that the MWL landfill is completely cleaned up in such a way as to mitigate present and future harm. I understand that the damage is done, but that does not excuse the continued exposure to life threatening substances dumped (and allowed) as though the entire population is worth the sacrifice (not worth the cost to clean up). At least try hard.

Who is, and has been, unable and unwilling to properly treat this situation as an emergency? I ask that you make a great effort to inform and disclose, just like we would if EBOLA were present in our community. Families need to know the facts from reliable and believable sources (UNM scientists, etc.) about what it means to live in a sacrifice zone, since we are, indeed, being knowingly sacrificed by the few that are aware and in charge.

Grandmother.
RG Kinsey
505-750-7829
POB 714
Corrales, NM 87048
December 2, 2014

Mr. John Kieling, Chief
Hazardous Waste Bureau
NM Environmental Department
950 Rodeo Park Rd Dr E, Bldg 1
Santa Fe, NM 87505
john.kieling@state.nm.us

Mr. John Weckerle
US Department of Energy
Sandia Field Office
PO Box 5400
Albuquerque, NM 87185

Office Of Inspector General
c/o David Sedillo
ihotline@hq.doe.gov

Dear Sirs:

In regards to Sandia National Lab permit modification request, please take actions to excavate this and all contaminated landfills immediately and add no more radioactive and toxic waste.

It is only reasonable to remedy the pits and landfills to current day standards for the safety and health of the community and nation.

Again, I join those who are strongly against temporary and/or permanent storage of any high-level, mid-level or any level nuclear waste in this site under consideration. I join the demand that the NMED not approve Corrective Action Complete and hold a public hearing for the matter.

Respectfully,

SJ Sanchez
1718 Escalante SW
Albuquerque, NM
Dear Sirs:

Please see attached letter regarding remediation of contaminated landfill.
December 4, 2014

John Kieling, Chief
Hazardous Waste Bureau
New Mexico Environment Department
2950 Rodeo Park Dr. E Bldg 1
Santa Fe, NM 87505

John Weckerie
US Department of Energy Sandia Field Office
PO Box 5400
Albuquerque, NM 87185

No permit.

Somebody is going pay for this. And I hope it is not going to be the victims of this crime. I think of all the government agencies whose job it is to protect the people’s water, the commons. And instead government agencies are now protecting the companies crimes.

Heads should roll in at least the Sandia National Laboratory, Sandia Mixed Waste Landfill, US Department of Energy, New Mexico Environment Department and National Regulatory Commission NRC.

But I think every one who is complicit in this crime should held accountable.

A Heinous crime has been committed. A crime against humanity, land, air and water, are our common property. I would hope harsh penalties and jail are in order.

Is there radiation already in the aquifer?

When where you going tell us?

Is this a super fund site?

No permit.
1. Immediate radiation remediation procedures need to be started immediately.

2. All radiation found on site needs to be removed.

3. All costs for remediation will be incurred to those companies found accountable.

4. A community health testing program on humans in the affected area should be started immediately.

5. All costs for health testing program will be incurred to those companies or the possibly the government found to be accountable.

6. Also a health care service in the affected area should be started immediately.

7. All costs for health care service program will be incurred to those companies accountable.

8. What about the water? Testing? I would certainly hope 3rd party testing is in order. I hope this is not going be an issue.

No permit.

Sincerely,

Richard Rushforth
PO Box 1443
Santa Fe, NM 87504
I find it completely incomprehensible that we must ask for a hearing for this unlined pit of toxic chemicals and radioactive waste. It should be a given considering how much at risk the citizens of Albuquerque and surrounding areas are for irreparable harm to our clean air, clean water, and clean everything. Sandia National Labs has been completely irresponsible for nearly 30 years, and now they say it's too expensive to clean up?? You did the damage, you do the clean up. It's called the ethical thing to do, probably something they cannot comprehend. A public hearing, a public hearing, a public hearing!!!!!

Margaret Jackson
jack4716@juno.com
Dear Mr. Kieling---I produce and host a show on KUNM called New Mexico People Places and Ideas and was wondering if you could tell me, or point me, to where the NMED decides if the landfill has now been granted a "complete" permit that does not require further monitoring. I am also wondering if you would be available to come on my show and discuss the status of the permit. Thanks Steve
For all of our sakes today and for generations into the future.... I’d like a public hearing held on the Sandia Mixed Waste Landfill, that NMED order denial of the certificate of completion, and that Sandia be ordered to clean up and safely store the MWL waste. How can one NOT agree to actions that protect us from dangerous waste?!
From: Deborah Reade [mailto:reade@nets.com]
Sent: Friday, December 5, 2014 11:47 AM
To: Kieling, John, NMENV
Subject: Mixed Waste Landfill in Albuquerque

Dear Mr. Kieling,

I am disturbed by the Environment Department’s apparent intention to approve a certification of completion for Sandia Lab’s mixed waste landfill when this landfill so obviously violates multiple environmental regulations and laws. I am really sick of NMED’s seeming total lack of interest in protecting human health and the environment when it comes to anything in this state that includes radioactive materials.

Though occasional feeble efforts (really more publicity stunts, I believe) are made by NMED when particularly egregious violations come to light—as at WIPP, for instance—nothing ever really changes. I note that WIPP is still going full speed ahead, though we still don’t understand what actually happened. Workers in the underground are possibly in great danger, yet you allow this to go on. And LANL, which packed the drum that exploded, is still in the running for increased pit production. Both of these sites should be closed and should be concentrating on clean-up and nothing else at least until they “get it together.” WIPP has already failed and should be closed permanently. It will surely fail again since the attitude “good enough for government work” seems to pervade both DOE and NMED.

The mixed waste landfill is a site that threatens the health of hundreds of thousands of people in Albuquerque and beyond and threatens precious water supplies as well. NMED has a sad and embarrassing history of covering up reports that say you should have more stringent requirements for the landfill. You have even gone so far as to violate regulations and have “secret” conversations with no records in order to get around the public and their concerns. In fact, the public seems to be the very last group that you take into consideration. Instead, the Labs and special interests seem to rule all your decisions.

You can repair some of this damage by having a public hearing on the certificate of completion. In fact, I demand that you deny this certificate as the landfill is nowhere near ready to be closed. Instead, I also demand that you order Sandia Labs to clean up and safely store the wastes in the mixed waste landfill with best methods and in a way that will protect the public and our water. You need to have a transparent process, which seems to be something you don’t understand, and work with the public instead of against us.

Sincerely,
Deborah Reade

---------------------
Deborah Reade
117 Duran Street
Santa Fe, NM 87501-1817
Phone/Fax 505-986-9284
reade@nets.com
From: Merna Brostoff [mailto:mail@changemail.org]
Sent: Thursday, November 20, 2014 11:04 AM
To: Kieling, John, NMENV
Subject: 10 new people signed: New Mexico Environmental Department: Clean up the HIGH level Nuclear and Hazardous Wastes at Sandia Labs Mixed Waste Landfill.

10 new people recently signed Citizen Action New Mexico's petition "Secretary Ryan Flynn: New Mexico Environmental Department: Clean up the HIGH level Nuclear and Hazardous Wastes at Sandia Labs Mixed Waste Landfill." on Change.org.

There are now 80 signatures on this petition. Read reasons why people are signing, and respond to Citizen Action New Mexico by clicking here: http://www.change.org/p/secretary-ryan-flynn-new-mexico-environmental-department-clean-up-the-high-level-nuclear-and-hazardous-wastes-at-sandia-labs-mixed-waste-landfill/responses/new?response=3b8df1a93dc1

Dear Mr. John Kieling, Bureau Chief,

Clean up the Sandia Labs Mixed Waste Landfill and allow public comment on this issue!

Sincerely,

80. Merna Brostoff Albuquerque, New Mexico
79. Dolores Martin Albuquerque, New Mexico
78. Jeremy Work Albuquerque, New Mexico
77. Nkazi Sinandile Albuquerque, New Mexico
76. Alberto Rivera Albuquerque, New Mexico
75. Carolyn Bemis ABQ, New Mexico
74. Angie Carrico Albuquerque, New Mexico
73. Susan Reid Santa Fe, New Mexico
72. Sarah Shaw Albuquerque, New Mexico
71. Paul Eichhorn Albuquerque, New Mexico

From: Sally-Alice Thompson [mailto:mail@changemail.org]
Sent: Tuesday, November 18, 2014 11:19 AM
To: Kieling, John, NMENV
Subject: 10 new people signed: New Mexico Environmental Department: Clean up the HIGH level Nuclear and Hazardous Wastes at Sandia Labs Mixed Waste Landfill.

10 new people recently signed Citizen Action New Mexico's petition "Secretary Ryan Flynn: New Mexico Environmental Department: Clean up the HIGH level Nuclear and Hazardous Wastes at Sandia Labs Mixed Waste Landfill." on Change.org.

There are now 70 signatures on this petition. Read reasons why people are signing, and respond to Citizen Action New Mexico by clicking here: http://www.change.org/p/secretary-ryan-flynn-new-mexico-environmental-department-clean-up-the-high-level-nuclear-and-hazardous-wastes-at-sandia-labs-mixed-waste-landfill/responses/new?response=3b8df1a93dc1
Dear Mr. John Kieling, Bureau Chief,

Clean up the Sandia Labs Mixed Waste Landfill and allow public comment on this issue!

Sincerely,

70. Sally-Alice Thompson Albuquerque, New Mexico
69. Matthew McGuire Cheshire, Connecticut
68. Susan Schuurman Albuquerque, New Mexico
67. George Myers Masontown, Pennsylvania
66. Steph Pifer Muncie, Indiana
65. Sara Friederich Albuquerque, New Mexico
64. Ramón Mac Tire Albuquerque, New Mexico
63. Trista Jackson Albuquerque, New Mexico
62. Karen Graeber Corrales, New Mexico
61. Concerned Citizen New City, New York

From: Emily Hawes [mailto:mail@changemail.org]
Sent: Tuesday, November 18, 2014 1:23 AM
To: Kieling, John, NMENV
Subject: 10 new people signed: New Mexico Environmental Department: Clean up the HIGH level Nuclear and Hazardous Wastes at Sandia Labs Mixed Waste Landfill.

10 new people recently signed Citizen Action New Mexico's petition "Secretary Ryan Flynn: New Mexico Environmental Department: Clean up the HIGH level Nuclear and Hazardous Wastes at Sandia Labs Mixed Waste Landfill." on Change.org.

There are now 60 signatures on this petition. Read reasons why people are signing, and respond to Citizen Action New Mexico by clicking here: http://www.change.org/p/secretary-ryan-flynn-new-mexico-environmental-department-clean-up-the-high-level-nuclear-and-hazardous-wastes-at-sandia-labs-mixed-waste-landfill/responses/new?response=3b8df1a93dc1

Dear Mr. John Kieling, Bureau Chief,

Clean up the Sandia Labs Mixed Waste Landfill and allow public comment on this issue!

Sincerely,

59. John DeVencenty Pueblo, Colorado
58. Joe DeVencenty Grand Junction, Colorado
56. Richard Weiner Albuquerque, New Mexico
55. Guida Leicester Albuquerque, New Mexico
54. Arthur Alfreds Albuquerque, New Mexico
53. Karen Dewig Albuquerque, New Mexico
52. Karen Bonime Albuquerque, New Mexico
50. Steve Kramer Albuquerque, New Mexico
49. Cynthia Barber Albuquerque, New Mexico
47. Sally Beers Albuquerque, New Mexico
From: peter kelly [mailto:mail@changemail.org]
Sent: Monday, November 17, 2014 10:37 PM
To: Kieling, John, NMENV
Subject: 10 new people signed: New Mexico Environmental Department: Clean up the HIGH level Nuclear and Hazardous Wastes at Sandia Labs Mixed Waste Landfill.

10 new people recently signed Citizen Action New Mexico's petition "Secretary Ryan Flynn: New Mexico Environmental Department: Clean up the HIGH level Nuclear and Hazardous Wastes at Sandia Labs Mixed Waste Landfill." on Change.org.

There are now 60 signatures on this petition. Read reasons why people are signing, and respond to Citizen Action New Mexico by clicking here:

Dear Mr. John Kieling, Bureau Chief,

Clean up the Sandia Labs Mixed Waste Landfill and allow public comment on this issue!

Sincerely,

60. peter kelly Medowie, Australia
59. John DeVencenty Pueblo, Colorado
58. joe devencenty Grand Junction, Colorado
56. Richard Weiner Albuquerque, New Mexico
55. Guida Leicester Albuquerque, New Mexico
54. Arthur Alfreds Albuquerque, New Mexico
53. Karen Dewig Albuquerque, New Mexico
52. Karen Bonime Albuquerque, New Mexico
50. Steve Kramer Albuquerque, New Mexico
49. Cynthia Barber Albuquerque, New Mexico

From: Steve Kramer [mailto:mail@changemail.org]
Sent: Monday, November 17, 2014 8:29 PM
To: Kieling, John, NMENV
Subject: 10 new people signed: New Mexico Environmental Department: Clean up the HIGH level Nuclear and Hazardous Wastes at Sandia Labs Mixed Waste Landfill.

10 new people recently signed Citizen Action New Mexico's petition "Secretary Ryan Flynn: New Mexico Environmental Department: Clean up the HIGH level Nuclear and Hazardous Wastes at Sandia Labs Mixed Waste Landfill." on Change.org.

There are now 50 signatures on this petition. Read reasons why people are signing, and respond to Citizen Action New Mexico by clicking here:
http://www.change.org/p/secretary-ryan-flynn-new-mexico-environmental-department-clean-up-
Dear Mr. John Kieling, Bureau Chief,

Clean up the Sandia Labs Mixed Waste Landfill and allow public comment on this issue!

Sincerely,

50. Steve Kramer Albuquerque, New Mexico
49. Cynthia Barber Albuquerque, New Mexico
47. Sally Beers Albuquerque, New Mexico
46. Edward Lopez Albuquerque, New Mexico
45. Margarita Burciaga Albuquerque, New Mexico
44. Marisa Powers Riverview, Michigan
43. Joseph Gallegos Albuquerque, New Mexico
42. Barbara Grothus Albuquerque, New Mexico
41. Joel Gallegos Albuquerque, New Mexico
40. Ruby Moon West Warwick, Rhode Island

From: Ruby Moon [mailto:mail@changemail.org]
Sent: Monday, November 17, 2014 5:42 PM
To: Kieling, John, NMENV
Subject: 10 new people signed: New Mexico Environmental Department: Clean up the HIGH level Nuclear and Hazardous Wastes at Sandia Labs Mixed Waste Landfill.

10 new people recently signed Citizen Action New Mexico's petition "Secretary Ryan Flynn: New Mexico Environmental Department: Clean up the HIGH level Nuclear and Hazardous Wastes at Sandia Labs Mixed Waste Landfill." on Change.org.

There are now 40 signatures on this petition. Read reasons why people are signing, and respond to Citizen Action New Mexico by clicking here: http://www.change.org/p/secretary-ryan-flynn-new-mexico-environmental-department-clean-up-the-high-level-nuclear-and-hazardous-wastes-at-sandia-labs-mixed-waste-landfill/responses/new?response=3b8df1a93dc1

Dear Mr. John Kieling, Bureau Chief,

Clean up the Sandia Labs Mixed Waste Landfill and allow public comment on this issue!

Sincerely,

40. Ruby Moon West Warwick, Rhode Island
38. Edward Laurson Denver, Colorado
37. John Hargis Dallas, Texas
36. Charles McHenry Central Point, Oregon
35. Ravi Wadhwa Albuquerque, New Mexico
32. Mica Cardillo Phoenix, Oregon
10 new people recently signed Citizen Action New Mexico's petition "Secretary Ryan Flynn: New Mexico Environmental Department: Clean up the HIGH level Nuclear and Hazardous Wastes at Sandia Labs Mixed Waste Landfill." on Change.org.

There are now 29 signatures on this petition. Read reasons why people are signing, and respond to Citizen Action New Mexico by clicking here: http://www.change.org/p/secretary-ryan-flynn-new-mexico-environmental-department-clean-up-the-high-level-nuclear-and-hazardous-wastes-at-sandia-labs-mixed-waste-landfill/responses/new?response=3b8df1a93dc1

Dear Mr. John Kieling, Bureau Chief,

Clean up the Sandia Labs Mixed Waste Landfill and allow public comment on this issue!

Sincerely,

Oscar Chavarria
Albuquerque, New Mexico

From: Robert McNeill [mailto:mail@changemail.org]
Sent: Monday, November 17, 2014 1:28 PM
To: Kieling, John, NMENV
Subject: 5 new people signed: New Mexico Environmental Department: Clean up the HIGH level Nuclear and Hazardous Wastes at Sandia Labs Mixed Waste Landfill.

5 new people recently signed Citizen Action New Mexico's petition "Secretary Ryan Flynn: New Mexico Environmental Department: Clean up the HIGH level Nuclear and Hazardous Wastes at Sandia Labs Mixed Waste Landfill." on Change.org.

There are now 20 signatures on this petition. Read reasons why people are signing, and respond
Dear Mr. John Kieling, Bureau Chief,

Clean up the Sandia Labs Mixed Waste Landfill and allow public comment on this issue!

Sincerely,

20. Robert McNeill Albuquerque, New Mexico
19. Gerardo Martinez Albuquerque, New Mexico
18. David McCoy Albuquerque, New Mexico
17. abdul al-amin Clearwater, Florida
16. Kenneth Ellis alb, New Mexico

From: James Bowes [mailto:mail@changemail.org]
Sent: Monday, November 17, 2014 12:45 PM
To: Kieling, John, NMENV
Subject: 5 new people signed: New Mexico Environmental Department: Clean up the HIGH level Nuclear and Hazardous Wastes at Sandia Labs Mixed Waste Landfill.

5 new people recently signed Citizen Action New Mexico's petition "Secretary Ryan Flynn: New Mexico Environmental Department: Clean up the HIGH level Nuclear and Hazardous Wastes at Sandia Labs Mixed Waste Landfill." on Change.org.

There are now 15 signatures on this petition. Read reasons why people are signing, and respond to Citizen Action New Mexico by clicking here: http://www.change.org/p/secretary-ryan-flynn-new-mexico-environmental-department-clean-up-the-high-level-nuclear-and-hazardous-wastes-at-sandia-labs-mixed-waste-landfill/responses/new?response=3b8df1a93dc1

Dear Mr. John Kieling, Bureau Chief,

Clean up the Sandia Labs Mixed Waste Landfill and allow public comment on this issue!

Sincerely,

15. James Bowes Albuquerque, New Mexico
14. Lloyd Thrap Albuquerque, New Mexico
13. Christel Davies Santa Fe, New Mexico
12. Michael Butler Albuquerque, New Mexico
11. isaac Cohen Stockholm, Sweden
Dear Mr. Kieling;

Mr. John Weckerie;

It is most distressing to see the lack of responsiveness on the Mixed Waste landfill problem. This issue drags on and on, while endangering the lives of Albuquerqueans unreasonably. To see the 5 yr. neighbors ignored, knowing the dangerous toxins buried there, is especially disturbing.

I have a reverse mortgage here, which means I need to remain in ABQ, economically speaking. But with the extra possibility of an explosion at Sandia, the jet fuel, or alternatively, carcinics in my water, EOB's + radionuclides, or no water at all, as a result of extreme drought, spread + contamination, wisdom might dictate relocation.

I am quite concerned about the devaluation of my home in the very near future. Perhaps if we must sell + jump off the deep end, we at all assure now that the water from all wells is blended.

It is not right that the community be put in this situation. Time for proper clean up + storage!

Yours truly;

(Mrs) Carol Benson
About the landfill near Pueblo of Osleta. What are you? A bunch of Rhyopthei weirdos? Shutdown Los Alamos and Bandita Labs! Use the money to clean up the mess!!!

I can't believe how those so-called experts are destroying the whole planet. When the water, air, and Earth are poisoned, good luck.

Gus

PS Not to mention the jet fuel spill. You not protecting anyone with your weapons of mass destruction. Tracking Coal-Fired Plants on and on...
Request for Class 3 Permit Modification for Solid Waste Management Unit 76, Mixed Waste Landfill Sandia National Laboratories

Name: Benjamin Imbus

Contact information: email address and/or phone number with area code:
(not required, will be used only if someone has a question about your comment)

Date: 12-8-2014

With what has been declassified so far being so alarming and the fact that several pits remain classified, I am concerned about the hazardous waste. With only distance separating the materials from groundwater and ~10' of rubble, sand, dirt separating surfaces organisms, I maintain my concern.

The company's negligence to evaluate excavation as required by law (from my understanding) in 2010 and the reluctance to release the information about the waste suggest to me wrong doing. If I am correct about the '04-'05 Final Order requiring 5 yr. feasibility report being law/court mandated, then citizens are being cheated. → more →
If I am uninformed about this, please, please make a public hearing, in which company representatives, but also independent and intelligent citizens can present evidence so and the community as a whole, democratically, can make the decisions we will live with.

Thank you,

Benjamin Imbus

P.S. If I forget to mention, I'm requesting a public hearing.
Sandia's position is very different from the positions of the stakeholder groups. Sandia and the stakeholder groups base their positions on different sets of facts, most of which came from SANC historical documents. We need a public hearing so that we can hear experts explain the very different positions presented by both groups and assess the facts and allow the hearing officer to assess the facts and come to an independent decision.
Concerning this very dangerous waste site perched above our tap water aquifer,
I strongly OPPOSE the Sandia Mixed Waste Landfill! It is full of extremely hazardous and highly radioactive materials buried in shallow, unlined pits covered in dirt. This is prohibited by federal law, and violates state law!

In order to protect our ground water, the environment and our health, it must be excavated and landfilled in a secure, engineered facility!

Do YOU have the conscience and courage to do the right thing even if it means risking your job as a bureaucrat?

Our lives and future are at stake! Have YOU ever sat beside a close loved one dying of cancer? Do following orders OVER
Mr. John Kieling -

I strongly oppose the Sandia Mixed Waste Landfill! It is full of extremely hazardous and highly radioactive materials buried in shallow unlined pits covered in dirt. This is prohibited by federal and state law.

In order to protect our groundwater, the environment and our health, it must be excavated and landfilled in a secure, engineered facility.

Do you have the conscience and courage to do the right thing even if it means losing your job as a bureaucrat? Our lives and future are at stake! Have you ever sat beside a close loved one dying of cancer? Do following orders

Don Schrader
1856 Walter St.
Albuquerque, NM 87102

Personal Attention
Mr. John Kieling
Chief
Hazardous Waste Bureau
New Mexico Environment Department
2905 Rodeo Park Drive, E Building
Santa Fe, NM 87505
COMMENT

Request for Class 3 Permit Modification for
Solid Waste Management Unit 76, Mixed Waste Landfill
Sandia National Laboratories

Name: Susan Shotland-Rodríquez Date: Dec 18/14

Contact information: email address
and/or phone number with area code: __________________________________________________________________________
(not required, will be used only if someone has a question about your comment)

We Demand a public hearing

We Need to show what is in the landfill
The land should be excavated & properly & safely dealt with. There should be no final substitution

We are 100% sure that the waste is not secluded into the arquitect
These meetings need to be named places in Albuquerque & with the pueblo

Thank you for your attention

Susan Rodriquez

Page ________of _________
COMMENT

Request for Class 3 Permit Modification for
Solid Waste Management Unit 76, Mixed Waste Landfill
Sandia National Laboratories

Name: Jodene Romeo
Date: Dec 9, 2014

Contact information: email address
and/or phone number with area code:
(just in case someone has a question about your comment)

[Handwritten text]
Demand a hearing on this waste problem!!

Use as many continuation pages as needed. On each continuation page, please write your name, the page number, and the total number of pages.

Page _____ of _____
Having agreed with the final order, I think NMED should grant the request for class 3 Permit Modification for SWM Unit 76. Soil-Vapor Investigation and monitoring was a good addition.

The corrective measures completed and the LTMM Plan in place will serve to safeguard human health & the environment.
I demand a public hearing, please!
Request for Class 3 Permit Modification for
Solid Waste Management Unit 76, Mixed Waste Landfill
Sandia National Laboratories

Name: Nora P. Conejo Date: 12-8-14

Contact information: email address and/or phone number with area code:
noracone1@msn.com

I demand a public hearing!

Use as many continuation pages as needed. On each continuation page, please write your name, the page number, and the total number of pages

Page ______ of _______
Name: Leslie Marsico Date: 12/8/14

Contact information: email address and/or phone number with area code:
(not required, will be used only if someone has a question about your comment)

I demand a public hearing!
COMMENT

Request for Class 3 Permit Modification for
Solid Waste Management Unit 76, Mixed Waste Landfill
Sandia National Laboratories

Name: _______________________________________________________________________ Date: ________________

Contact information: email address
and/or phone number with area code: __________________________________________________________________________ (not required, will be used only if someone has a question about your comment)

I demand a public hearing, please.

Use as many continuation pages as needed. On each continuation page, please write your name, the page number, and the total number of pages

Page ______ of _______
I request a public hearing regarding this issue. It should be well publicized with plenty of time for experts from the community to present their data.

Without such a meeting, I believe the NMED has no credibility regarding the oversight of this continuing problem.
According to the Environmental Protection Agency, "All landfills will eventually fail and leak leachate into ground and surface water." The public is concerned about what long-term plans still have to deal with the obvious inevitability of this potentially life-threatening situation. We deserve a demand for a public hearing to address and study this problem.
I found both the displays and the people who were working the meeting to be extremely clear and informative. It appears clear that the Mixed Waste Landfill has been well handled and does not pose a threat to our groundwater.
Request for Class 3 Permit Modification for
Solid Waste Management Unit 76, Mixed Waste Landfill
Sandia National Laboratories

Name: Joe Hanscock
Date: ____________

Contact information: email address and/or phone number with area code:
(not required, will be used only if someone has a question about your comment)

joenabq@yahoo.com

I demand a hearing on the nuclear waste being dumped on Sandia Labs area near Albuquerque.
I am still not convinced that it is not safe and I am worried that it may someday leak into our water table.
There have been too many delays in Sandia National Lab completing necessary requirements for the corrective action to further the groundwater monitoring that is necessary. The Environment Dept gave permission to leave the waste under a dirt cover. There is no intent by authorities to decontaminate these dangerous wastes. I demand a public hearing is necessary. We deserve no less.
Request for Class 3 Permit Modification for
Solid Waste Management Unit 76, Mixed Waste Landfill
Sandia National Laboratories

Name: SALLY BEERS  Date: 11-18-14
Contact information: email address
and/or phone number with area code: (not required, will be used only if someone has a
question about your comment)

We need a well advertised public
hearing on this. Not enough people know anything
about this and I can see & hear
there are serious problems with
this.

Use as many continuation pages as needed. On each continuation page, please write your name, the page
number, and the total number of pages

Page _______ of _______
Request for Class 3 Permit Modification for
Solid Waste Management Unit 76, Mixed Waste Landfill
Sandia National Laboratories

Name: Sylvia D. Dourille Date: 11/8/14

Contact information: email address
and/or phone number with area code:
(not required, will be used only if someone has a
question about your comment)

Because of conflicting

I newly recovered information AND
continuing concern about the time and
money the laboratory is willing to expend
to ensure very long term monitoring.

We need a hearing. We want a hearing.

We deserve a hearing. Public hearing.

Use as many continuation pages as needed. On each continuation page, please write your name, the page
number, and the total number of pages

Page _____ of _____
COMMENT

Request for Class 3 Permit Modification for
Solid Waste Management Unit 76, Mixed Waste Landfill
Sandia National Laboratories

Name: Dick Ehr Date: 18 Nov 2017

Contact information: email address and/or phone number with area code:
(not required, will be used only if someone has a question about your comment)

This is a very impressive debut of the relevant technical information leading to the Class 3 Permit Plan. I am very impressed that the M3W is progressing so well down its regulatory path. The work done on the M3W merits its final resolution with a Permit Plan - and it appears that it will happen. Many kudos to the folks that are doing the work!

Use as many continuation pages as needed. On each continuation page, please write your name, the page number, and the total number of pages.

Page _____ of _____
REQUEST FOR CLASS 3 PERMIT MODIFICATION FOR
SOLID WASTE MANAGEMENT UNIT 76, MIXED WASTE LANDFILL
SANDIA NATIONAL LABORATORIES

NAME: Robert Aly
date: 11/18/14

CONTACT INFORMATION: EMAIL ADDRESS AND/OR PHONE NUMBER WITH AREA CODE:
(not required, will be used only if someone has a question about your comment)

room2@bigfoot.com

It is immoral to leave the mixed waste landfill
to our children to clean up.

We need a hearing!
We need a public hearing!!

Page ______ of ______
I would request a Public Hearing for maximum transparency.
I think this meeting was very well put together. The posters and the people were all very helpful and informative. I think they did a wonderful job with everything! And the justification binders looked well put together.
-----Original Message-----
From: michael.barcelona@wmich.edu [mailto:michael.barcelona@wmich.edu]
Sent: Monday, January 05, 2015 2:12 PM
To: NNSA.Sandia
Subject: Request for a Class 3 permit modification to module IV of Waste Permit NMS890110518-1

Dear Mr. Weckerle and Mr. Kieling, I write as a very concerned citizen and ground water scientist to express my continued outrage over the shameful record of both oversight (by NMED) and history of work at the Sandia Mixed Waste (SWMU 7G) Landfill dump by SNL-DOE. I have also attached my resume which details the work that I was able to contribute to the USEPA's efforts to establish identification, monitoring, and maintenance guidelines for the Resource Conservation and Recovery Act's oversight for hazardous waste sites. We did extensive work in establishing safe reliable sampling methods, selection of materials for wells, pumps, etc. and well construction techniques. The documents are listed in the reports from the University of Illinois, Western Michigan University and the University of Michigan.

I can truthfully say that after working at hundreds of waste sites and some DOE and DOD sites, I have never seen a more troubling site than the Sandia MWL dump. The disposal of high level nuclear and chemical materials without adequate inventory, unlined waste sites with no effective cover, and the ridiculous monitoring well network that NMED told them was faulty in the early 1990's with repeated Notices of Denial through 1998 (the Garcia report) borders on criminal in proportion to the continuing damage to the environment. The recent (Sept, 2014) soil vapor monitoring results collected under the MWL dump Long Term Monitoring and Maintenance Plan (LTMMP) alone show that many volatile organic compounds have been released that have appeared at depths up to 400 feet below land surface. The dump has no doubt been leaking since it's inception in 1959.

-- I have read and agree with the numerous documents submitted to NMED, DOE and various citizen groups over the past 15 years by Mr. Robert Gilkeson, Registered Geologist, Mr David McCoy, (Citizen Action), and Ms. Joni Arends, (Concerned Citizens for Nuclear Safety), and Dr. Eric Nuttall, formerly of the University of New Mexico that have detailed the major issues on this and other sites (LANL Area G) that cry out for responsible action on the part of NMED. I strongly urge NMED to deny the permit modification request and reject the inclusion of the existing monitoring well network in the LT MMP. I would also request that a public hearing be held to openly air the serious issues that are at stake if the status quo is allowed to continue.

Dr. Michael J. Barcelona, Professor of Chemistry, Western Michigan University, 3342 Wood Hall, 1903 W. Michigan, Kalamazoo, MI, 49008-5413, 269-387-2837, FAX 269-387-2909
MICHAEL JOSEPH BARCELONA

Professor
Department of Chemistry
Western Michigan University
3442 Wood Hall
Kalamazoo, MI 49008
Phone: 269 387-2837
Fax: 269-387-2909
e-mail:michael.barcelona@wmich.edu

EDUCATION:
Ph.D., Marine Chemistry/Chemical Oceanography (1977), University of Puerto Rico, Mayaguez, Puerto Rico
M.S., Inorganic Chemistry (1974), Northeastern University, Boston, Massachusetts
B.A., Chemistry (1971), St. Mary's College, Winona, Minnesota

LANGUAGES:
English, Spanish (speaking), Italian (speaking)

PROFESSIONAL SOCIETIES:
American Chemical Society, Union of Concerned Scientists, Association of Ground Water Scientists and Engineers-National Ground Water Association

PROFESSIONAL EXPERIENCE:
8/01-Present: Professor of Chemistry, Chairperson (10/02-08/07), Department of Chemistry, Western Michigan University, Environmental Organic and Analytical Chemistry Research

1/94-8/01: Research Professor, University of Michigan-Ann Arbor, MI Department of Civil and Environmental Engineering, Group Leader - Environmental Geochemistry Research, Director of Operations - National Center for Integrated Bioremediation Research and Development (NCIBRD)

Leader of an environmental geochemistry and remediation technology program with a 16 to 24 person research group focused on organic contaminant transformations in sedimentary and subsurface geochemical environments. Direct responsibility for student advising, staff recruitment and program development, supervision of technology evaluation activities and marketing of group capabilities within the Department of Defense Strategic Environmental Research and Development (SERDP) National Environmental Technology Test Sites (NETTS). Both efforts were entirely funded by external grants and contracts.
Michael J. Barcelona

Professional Experience (continued)

12/89-12/93  Professor of Chemistry (with tenure); Adjunct Prof. of Geology; Director, Institute for Water Sciences, Western Michigan University, Kalamazoo, MI.

Responsible to the Vice President for Research (Dr. Donald Thompson) for the administration of the Institute for Water Sciences, a University center for research and graduate instruction in environmental chemistry, geology, hydrology, geochemistry, geography, engineering and statistics. Also, the leader of a 4 to 8 person research group conducting organic geochemical and contaminant geochemistry research in natural water systems. The Institute was primarily funded by external grants and contracts.

10/79-12/89  Aquatic Chemistry Section Head, and Principal Scientist. Aquatic Chemistry Section, Water Survey Division, Illinois Department of Energy & Natural Resources - University of Illinois, Champaign-Urbana, IL.

Responsible for the recruitment, support and supervision of 24 chemists, geochemists, and engineers in a multidisciplinary program of environmental chemistry, water, and solid waste treatment research and services. Applied research on the transport and fate of chemical constituents in water or sediment systems was an ongoing activity of the group which was primarily funded by external grants and contracts.

6/84-6/85  Acting Director, Hazardous Waste Research and Information Center (HWRIC), (Now the Illinois Sustainable Technology Center) Illinois Department of Natural Resources, Champaign, IL.

Responsible to the Department Director for the planning, presentation to legislators, and implementation of a comprehensive program to address the critical research, information and technical assistance needs of Illinois on hazardous waste issues. Staff recruiting, research program development, facilities planning and liaison activities with industry, the public and state agencies were part of the assignment. The effort was funded by a special state appropriation targeted at Industrial assistance with waste management.

1/77-9/79  National Institute of Environmental Health Sciences. Research Postdoctoral Fellow with Dr. James J. Morgan, Environmental Engineering Sciences, California Institute of Technology, Pasadena, CA.

Responsible for the planning, execution, data analysis and interpretation of chemical and physical oceanographic studies supporting the engineering of marine biomass projects; and the direct supervision of four chemists. Applied research was conducted on mass balances for atmospheric carcinogens in the Los Angeles Air Basin, sampling and analytical techniques, and the geochemistry of organic compounds in sedimentary coastal marine and other aquatic environments.

6/75-12/76  Research Associate and Instructor of Chemical Oceanography, Department of Marine Sciences
University of Puerto Rico, Mayaguez, PR

9/73-6/75  Senior Chemist and Manager of Environmental Chemistry Section, Omni Research Incorporated,
San German, PR
Michael J. Barcelona

HONORS & AWARDS
1985, Director’s Research Excellence Award, Illinois Department of Natural Resources, presented by the Director of IDNR for meritorious accomplishment as Initial Director of Illinois Hazardous Waste and Information Center (now Illinois Sustainable Technology Center)

1992-1993, Outstanding Service Award for service on National Ground Water Association and Ground Water Publishing Company Editorial Board; Awarded to outgoing associate editors ~ 3/yr.

1998, Outstanding Research Scientist Award, University of Michigan, College of Engineering, $1,000 (Annual award presented to Faculty and Research Scientists for research accomplishment; 1 or 2/yr.)

2002, Keith Anderson Award, National Ground Water Association – Association of Ground Water Scientists and Engineers Division (now Scientists and Engineers Division). Annual award (1) for Significant Contributors and Commitment to the Division.

2008, Fulbright Senior Lecturing Award, J. William Fulbright Foreign Scholarship Board Commission for Cultural, Educational and Scientific Exchange; University of Las Palmas, Grand Canary Island, Spain (Fall 2008 taught a graduate Marine Chemistry class and a number of seminars); ~6,000 awards/yr.


2010, Distinguished Faculty Scholar Award, Western Michigan University, $2000 (at most 1 or 2 per year)

VISITING PROFESSORSHIPS/ SCIENTIST
1988; 2000; 2005: Visiting Scientist, National Research Council of Italy Institute for Water Research, Rome and Bari, Italy, one-month summer visits to conduct groundwater research with collaborators, ~1/yr.

1992: Visiting Professor, Department of Environmental Engineering Technical University of Denmark Lyngby, Denmark, one-month visit to conduct research and serve as external examiner on Mr. Gorm Heron’s Ph.D. committee Dr. Thomas Christiansen Advisor, ~1/yr.

1996: Visiting Professor, Department of Soil Protection, University of Calabria, Consenza, Italy, one month visit to conduct research and present workshops, Dr. Salvatore Troisi advisor, ~1/yr.

1997: Visiting Professor, Ground Water Research Centre, Department of Civil and Environmental Engineering, University of Waterloo, Waterloo, Canada; visit to serve as external examiner on Ph.D. committee of Mr. Mark King, Dr. James Barker, advisor, ~1/yr.

2003; Visiting Professor, Department of Geochemistry, University of Utrecht, Utrecht, Netherlands, two-week visit to serve as an external examiner on the Ph.D. committee of Mr. Neils Hartog, advisor Dr. C.H.vanderWeijden, ~1/yr.

MAJOR AREAS OF EXPERTISE
Marine Chemistry and Organic Geochemistry
Soil and Ground Water Monitoring and Remediation
Analytical Chemistry
Environmental Statistics
Hazardous and Solid Waste Management
Consulting (last 5 years): DOE,DOD,EPA, Exxon Mobil.
Fulbright Foundation.

HOSTED VISITING SCIENTISTS
Western Michigan University, Mr. Giuseppi Passarella, Water Research Institute , IRSA-CNR, Bari, Italy (September-October 1994)

University of Michigan, Mr. Jeffrey Barbaro, Ph.D. Student of Dr. James Barker ,University of Waterloo (2012, U.S. Geological Survey) (June-August, 1995)

University of Michigan, Dr. Luis E. Marin – Professor of Geologia y Geophysica, Institute of Geophysics, Universidad Nacional Autonoma de Mexico (Sabbatical Year 1997-1998)
Michael J. Barcelona

University of Michigan, Mr. Jaime Nomocats, Ph. D Student of Dr. T. A. Abrajano, Rensselaer Polytechnic Institute (1999-2000)

HOSTED VISITING SCIENTISTS: (continued)
Western Michigan University, Dr. Yerdos Ongarbayev, Professor and Chair, Department of Chemistry, Al-Farabi Kazakh National University, Republic of Kazakhstan (September-December 2006)

PROFESSIONAL ACTIVITIES
1991-1993, Board Member, Association of Ground Water Scientists and Engineers Division (now Scientists and Engineers Division) National Ground Water Association (NGWA)

1992-2002, Editor Ground Water Monitoring and Remediation, NGWA

2002-Present, Associate Editor, Editorial Board, Ground Water Monitoring and Remediation (NGWA)

2012-Present, International Advisory Board Member, Journal of Organic Chemistry Research, Natural Sciences Publishing Corporation

Instructor and Graduate Student Research Supervisor:
Instructor in: Field Methods in Hydrogeochemistry (CEE 595-UM); Hazardous Waste Processes (CEE 584-UM); Solid Waste Management (CEE 585-UM); Environmental Chemistry of Subsurface Systems (WMU), Analytical Chemistry (CHEM 2250, CHEM 2260), Environmental Organic Chemistry (CHEM 6680), Chemical Safety (CHEM 5060), Ethical Chemical Practice (CHEM 5070) Physical Chemistry Laboratory(CHEM 4360) and Special Problems Courses in Subsurface Characterization and Geochemistry of Subsurface Contamination (Chemistry 14188) Introduction to Chemical Oceanography-University of Las Palmas, GC, Spain.

M.S. Student Theses Chair:
(WMU-Geology) Mr. Gary Blinkiewicz-3/93-"Spatial and Temporal Variability in a Large Volatile Organic Contaminant Plume".

(WMU-Chemistry) Mr. Jie Lu-3/94-"Application of a Modified Analytical Derivatization Method to the Determination of Volatile Fatty Acid Microbial Metabolites in Aquifer Systems".

(WMU-Chemistry) Mr. Daniel Tomczak-3/94-"Identification of Aromatic Acids as Microbial Metabolites of Fossil Fuel Compounds in Aquifer Systems".


(WMU-Geology) Mr. John Ring (12/95) "Spatial and Temporal Variations of CO2 Distributions in Vadose Zone Gas Mixtures".

M.S. Student Advisees (UM) Chris Till, Briana Sye, Michael Beebe, Nurul Amin.

Michael J. Barcelona

(WMU-Chemistry) Mr. William Lizik (12/09) "A field trial of Nutrient Stimulation of Methanotrophic Microorganisms to Reduce Methane Emissions from Landfill Cover Soils"

M.S. Student Committee Member (last three years) WMU Geology, Nathaniel Barnes, Daniel Peabody; WMU Chemistry (Deepti Goel, Jennifer Bunce, Paul Knoll)

PROFESSIONAL ACTIVITIES: (continued)

Ph.D. Student Theses Chair:
Ms. Elizabeth Semkiw (WMU) Field and Lab Evaluation of Organic Emission Donors for the Dechlorination of Chlorinated Ethenes (12/08). Chair

Mr. Guibo Xie (9/01) Characterization of Subsurface Petroleum Contaminants and Their Chemical and Biological Remediation with Redox Manipulation, (UM-CEE) Chair.

Current Advisees, Co Chair. 1 Ph.D. student


Program Coordinator: U.S. Air Force Education With Industry Program-SWS Water Chemistry/Corrosion Training '82-86


PEER-REVIEWED PUBLICATIONS: (Most Recent Publications)
Modeling Underground Gypsum Barriers to stop Seawater Intrusion in a Fractured Aquifer at Salento (Southern Italy), Costantino Masciopinto, Michael J. Barcelona, and MoonKoo Kim, (In review, J. of Water and Climate Change, May, 2014)

Discussion of Papers "We've Been Here Before" M.J Barcelona, Ground Water, 51, 6 p 815 (2013)
Michael J. Barcelona


Editorial: “Déjà Vu All Over Again” (2012) Ground Water Monitoring and Remediation, 32, 4, p.28

Field Study of Enhanced TCE Reductive Dechlorination by a full-scale dairy whey PRB. E.S. Semkiw and M.J. Barcelona (2011); Ground Water Monitoring and Remediation, 31, 1, 68-78

Field Application of nitrogen & phenylacetylene to mitigate greenhouse gas emissions from landfill cover soils: Effects on microbial community structure J. Im, Sung-Woo Lee, Bodrossy, M.J. Barcelona, J.D. Semrau, Appl. Microbial Biotechnology (published online 31 August 2010)


Michael J. Barcelona


Michael J. Barcelona


BOOK CHAPTERS:


Michael J. Barcelona


Michael J. Barcelona


PEER-REVIEWED PROCEEDINGS, EDITORIALS, AND CONTRACT REPORTS:

WESTERN MICHIGAN UNIVERSITY
The Use of Molecular and Genomic Techniques Applied to Microbial Diversity, Community Structure and Identification at DNAPL and Metal Contaminated Sites. Ann Azadpour-Keeley, Michael J. Barcelona, Kathleen Duncan, and Joseph M. Sulzita USEPA- Environmental Research Brief EPA/600/R-09/103 (September, 2009)
A Gypsum Barrier to stop seawater intrusion in a fractured Aquifer at Salento (Southern Italy); Preliminary Results Barcelona, M.J., M Kim, C. Maccioi, R. Lamantia, SWIM-SWICA, Cagliari, Sardinia, (10/07)


Site Characterization for Monitored Natural Attenuation (with Dr. Gary Robbins and Richard Brainerd, Univ. of Connecticut USEPA-NRML Ada, OK. 10/02


UNIVERSITY OF MICHIGAN


Michael J. Barcelona


Beyond BTEX (editorial), M. J. Barcelona, Ground Water Monitoring and Remediation, 19, 1, 4-5, 1999


Virtual Ground Water Monitoring and Remediation: Where Do We Go From Here? (editorial), Ground Water Monitoring and Remediation, 17, 2, pp 1-2, 1997.


Michael J. Barcelona


WATER SURVEY (Illinois Department of Natural Resources)


Michael J. Barcelona


Chemical Considerations in Preservation and Handling of Samples. M. J. Barcelona. Chapter XII in Proceedings of Ground Water Monitoring Workshop. SWS-SGS, February 27-28, 1984, Ramada Inn, Champaign, IL


Michael J. Barcelona


CALIFORNIA INSTITUTE OF TECHNOLOGY

UNIVERSITY OF PUERTO RICO


OMNI RESEARCH, INC.
Atmospheric Ethylene Distributions Near a Petrochemical Complex in S.W. Puerto Rico (May 1974) M. J. Barcelona (for PPG Industries, Caribe).

Ethylene Concentrations in the Lajas Valley: Effect of Point vs. Vehicular Sources (July 1975) M. J. Barcelona for PPG Industries, Caribe.


Economic Reclamation of Copper from Electroplating Solutions in Order to Meet Discharge Requirements (for Diceon Electronics, Naguabo, P.R.) (January 1975) M. J. Barcelona.


RECENT INVITED LECTURES/WORKSHOPS
NGWA Ground Water Sampling short course, 12/6/13 with David Kaminski, Nashville, TN
Invited Lecturer, Nutrient Stimulation of Methane Oxidizing Bacteria to minimize greenhouse for emissions from a landfill WMU Dept of Geology 12/24/2014.

Low Flow Ground Water Sampling Update, 12/8/12; NGWA National Meeting
Invited Panelist- Problem with the MOA-G site at Los Alamos National Labs, Concerned Citizens for Nuclear Safety, June 2012.

Invited Lecturer, 2/22/12, “Effective Ground Water Sampling Methods for volatile organic compounds,” Department of Geology Wayne State University, Detroit, MI

Invited Speaker, 11/30/11, “Updated Sampling Technique for volatile organics and microorganisms in ground water,” National Ground Water Association, National Meeting, Las Vegas, NV

Invited Lecturer, 7/30/09 “Innovations in “in-situ” Bioremediation of Organic Compounds.” Society for Industrial Biotechnology, Toronto, Canada
Invited Lecturer, 2/25/09, Serious Water Resources Issues in a Rebuilding Economy, California Ground Water Resources Association, Santa Ana, CA.

Invited Lecturer, 8/21/08, Hydrogeochemical Constraints on Subsurface Bioremediation. Society for Industrial Biotechnology, San Diego, CA.

Invited Speaker, 10/7/07 Monitoring Ground Water Quality with Low-Flow Purging and Sampling Workshop With Mr. James Boiseneau, AIPG (America institute of Professional Geologists) 44th Annual Meeting Traverse City, MI

Invited Speaker and Proceeding Paper, 10/7/07 A Gypsum Barrier Design to Stop Saltwater Intrusion in a Fractured Aquifer at Salento (South Italy): M.J. Barcelona, M. Kim, C. Masciopinto, R. LaMantia.

Invited Speaker, 5/3/06 Ground Water Sampling, Advantage of The Low-Flow Purging and Sampling Approach, M.J. Barcelona, at Ohio Environmental Protection Agency, Columbus, OH


Invited Speaker, 7/27/05 Low-Flow Sampling of Ground Water in Contaminated Environments, at WMU-Department of Geological Sciences Annual Field Camp, Kalamazoo, MI

Invited Speaker, 7/1/05 Monitoring and Remediation of Seawater Intrusion in Coastal Environments, at National Research Council Water Investigations Laboratory-IRSA, Bari, Italy

Invited Speaker, 5/6/05 Continuing Education Workshop on Ground Water Geochemistry and Sampling, Michigan Association of Environmental Professionals, at St. John’s Convention Center, Plymouth, MI

Invited Speaker, 4/7/05 Methyl-t-Butyl Ether and Fuel Plume Remediation Constraints in the Subsurface. Chemistry Department at Ball State University, Muncie, IN

Invited Speaker, 3/22/05 Geochemical Sampling and Analysis of Contaminated Ground Water, Michigan Association of Environmental Professionals Annual Training Course at Westside Sheraton Hotel, Lansing, MI

Invited Speaker, 2/15/05 Sampling Ground Water Efficiently for Remediation and Geochemical Analyses, MDEQ-Remediation and Restoration Division Geological and Leaking Underground Storage Tank Program, Lansing, MI

Invited Speaker, 11/7/04 Future Developments in Ground Water Remediation Strategies, Geological Society of America, at National Meeting Featured Forum organized by the American Institute of Hydrology

Invited Speaker, 8/3/04 Effective Remediation Strategies for Recalcitrant Contaminants Methyl-t-Butyl Ether, at WMU Department of Geological Sciences Seminar, Rood Hall, Kalamazoo, MI

Invited Speaker, 1/13/04 Ground Water Sampling Workshop, Low-Flow Purging and Monitoring Well Dynamics, with D. Kaminski and G.R. Robbins, at Nielsen Ground Water Field Schools, Tampa, FL

Invited Speaker, 11/13/03 Geochemical Considerations for Ground Water Sampling Programs, M. J. Barcelona, at Ground Water Sampling Seminar Am Cham- American Chamber of Commerce, Sao Paulo, Brasil sponsored by Clean Environment, Brasil

Guest Speaker, 10/2/03 Subsurface Biological and Chemical Reactive Barriers for Ground Water Remediation, M. J. Barcelona, at Midwest Ground Water Conferences. Western Michigan University, Kalamazoo, MI

Invited Speaker, 9/29/03 Subsurface Geochemical Manipulation to Promote Bioremediation, M. J. Barcelona, Dept of Geochemistry, University of Utrecht, Utrecht, The Netherlands.

Low-Flow Purging and Sampling of Ground Water, M. J. Barcelona at WMU-Geological Sciences Field Camp 8/13/03, Kalamazoo, MI.

Invited Speaker, 2/27/03 Subsurface Geochemistry and the Bioremediation of Fuel Spills, M. J. Barcelona, Dept of Chemistry, Andrews University, Berrien Springs, MI.
Michael J. Barcelona


Invited Speaker, 2002 Borchardt Conference, University of Michigan, Michigan Dept. of Public Health Drinking Water Plant Operators. February (2002) "Fate, Transport, and Remediation of MTBE in Ground Water"


Debate Segment June 2001 Ground Water Quality 2001, Sheffield, England (June 2001) with Dr. Linda Abriola, University of Michigan. Lead discussion of "pro" position for appropriate ground-water remediation at all costs.

Invited Speaker, ASCE Rochester, N.Y. Section- Sampling Innovation for Remedial Ground Water Programs (April 25, 2001)

Invited Speaker, University of Florida, Dept. of Civil and Environmental Engineering (April 16, 2001) A Natural Gradient MTBE/BTEX Tracer Experiment

Michigan Assoc. of Environmental Professionals -Groundwater Sampling Innovation or Obfuscation? (May,2001) Novi, MI.

Univ. of Michigan CEE 260 - Hazardous Waste Investigations and Personnel Protective Equipment Lecture/ Demonstration (February 18, 2001)

Guest Lecturer, UM-Engin. 540, Cellular Biotechnology, Bioremediation Principles and Practice, (2/4/99; 2/8/00).

Guest Lecturer, CEE 260, UM, State of the Art of In-Situ Bioremediation (3/29/99).

Guest Lecturer, Wayne State University, Department of Chemical Engineering, CHE659/HWMTSI, In-Situ Hazardous Waste Treatment (3/23/99).

Geochemical Enhancement of Biotransformations of MTBE, M. J. Barcelona, Center for Environmental Risk Assessment Dept. of Chemistry and Geochemistry Colorado School of Mines, Golden, CO, 10/18/99,


