

August 27, 2009

Mr. Greg Gibson  
Vice President Regulatory Affairs  
UniStar Nuclear Energy  
100 Constellation Way  
Suite 1400P  
Baltimore, MD 21202-3106

SUBJECT: REQUEST FOR ADDITIONAL INFORMATION RELATED TO THE ENVIRONMENTAL REPORT FOR THE CALVERT CLIFFS COMBINED LICENSE APPLICATION – OZONE AIR EMISSIONS DURING CONSTRUCTION AND OPERATION

Dear Mr. Gibson:

During its review of your environmental report, submitted for the Calvert Cliffs Unit 3 combined license application, the U.S. Nuclear Regulatory Commission (NRC) staff determined that additional information is needed to complete its review. The NRC staff's request is provided in Enclosure 1. Please provide the Request for Additional Information (RAI) responses to the NRC under oath or affirmation.

Responses should be sent within 30 days of receipt of the RAIs. If you cannot respond in 30 days, it is expected that a date for receipt of this information will be provided to the staff within the 30 day period so that the staff can assess how this will impact its resources. In addition, any new and significant changes or additions to information that you have already submitted could impact the time necessary to complete the review.

If you have any questions or comments concerning this matter, I can be reached at 301-415-2220 or by e-mail at [Laura.Quinn@nrc.gov](mailto:Laura.Quinn@nrc.gov).

Sincerely,

*/RA/*

Laura Quinn  
Environmental Project Manager  
Environmental Projects Branch 2  
Division of Site and Environmental Reviews  
Office of New Reactors

Docket No. 52-016

Enclosure: As stated

cc: See next page

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Mr. Greg Gibson  
Vice President Regulatory Affairs  
UniStar Nuclear Energy  
100 Constellation Way  
Suite 1400P  
Baltimore, MD 21202-3106

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*/RA/*

Laura Quinn  
Environmental Project Manager  
Environmental Projects Branch 2  
Division of Site and Environmental Reviews  
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cc: See next page

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**ADAMS ACCESSION NUMBER: ML092260454**

OFFICE	PM:RAP2: DSER:NRO	LA:RAP3: DSER:NRO	OGC	BC:RAP3: DSER:NRO
Name	LQuinn	EHylton	JBiggins (NLO)	RSchaaf
Date	08/19/2009	08/17/2009	08/25/2009	08/27/2009

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Letter to Greg Gibson from Laura Quinn dated \_\_\_\_\_ August 27, 2009 \_\_\_\_\_

SUBJECT: REQUEST FOR ADDITIONAL INFORMATION RELATED TO THE ENVIRONMENTAL REPORT FOR THE CALVERT CLIFFS COMBINED LICENSE APPLICATION–OZONE AIR EMISSIONS DURING CONSTRUCTION AND OPERATION

Distribution:

PUBLIC

AWilliamson, NRO

EHylton, NRO

LQuinn, NRO

JRycyna, NRO

JColaccino, NRO

RSchaaf, NRO

MMazaika, NRO

SArora, NRO

JBiggins, OGC

RAP3 R/F

RidsNroDserRap3

EChapman, PNNL ([Elaine.Chapman@pnl.gov](mailto:Elaine.Chapman@pnl.gov))

MParkhurst, PNNL ([Maryann.parkhurst@pnl.gov](mailto:Maryann.parkhurst@pnl.gov))

VRamsdell, PNNL ([Van.Ramsdell@pnl.gov](mailto:Van.Ramsdell@pnl.gov))

Request for Additional Information No.1014

UniStar Calvert Cliffs Unit 3  
Docket No. 52-016

**Ozone Air Emissions during Construction and Operation of Unit 3**

The NRC is required to make a conformity determination under 40 CFR 93.150 et seq. with regard to the proposed construction and operation of Calvert Cliffs Unit 3 (CCNP Unit 3) unless one or more of the exceptions listed in 40 CFR 93.153 applies. A possible exception for CCNP Unit 3 is if the totals of direct and indirect emissions are below threshold values listed in 40 CFR 93.153(b).

UniStar has provided the Maryland Public Service Commission with a tentative schedule for completion and operation of CCNP Unit 3 (CPCN Application Table 1.4-1), with an extensive listing of emissions during plant construction (CPCN Application Tables 5.5-2 and 5.5-3), and with a listing of maximum expected emissions during normal operation (CPCN Application Table 6.5-2). The NO<sub>x</sub> emissions during the construction period listed in Table 5.5-2 exceed the 40 CFR 93.153(b) threshold value for the first four years. However, the construction activities that would be authorized by the NRC (as defined in 10 CFR 50.10) are only a subset of the activities covered by Table 5.5-2. Provide, for each class of emissions and year of construction, the annual quantity released (tons/yr), the percentages that would be related to "construction" activities regulated by NRC, and the basis for determining the percentage.

ENCLOSURE

COL - Calvert Cliffs Mailing List (Safety)  
cc:

(Revised 7/16/2009)

Mr. Richard L. Baker  
Bechtel Power Corporation  
5275 Westview Drive  
Frederick, MD 21703-8306

Ms. Patricia T. Birnie, Esquire  
Co-Director  
Maryland Safe Energy Coalition  
P. O. Box 33111  
Baltimore, MD 21218

Ms. Michele Boyd  
Legislative Director  
Energy Program  
Public Citizens Critical Mass Energy  
and Environmental Program  
215 Pennsylvania Avenue, SE  
Washington, DC 20003

Ms. Kristen A. Burger  
Maryland People's Counsel  
6 St. Paul Centre  
Suite 2102  
Baltimore, MD 21202-1631

Mr. Carey Fleming, Esquire  
Senior Counsel - Nuclear Generation  
Constellation Generation Group, LLC  
750 East Pratt Street, 17th Floor  
Baltimore, MD 21202

Mr. Jay S. Gaines  
Director, Licensing  
Calvert Cliffs Nuclear Power Plant  
1650 Calvert Cliffs Parkway  
Lusby, MD 20657-4702

Mr. Greg Gibson  
Vice President, Regulatory Affairs  
UniStar Nuclear Energy  
750 E. Pratt Street  
Baltimore, MD 21202-3106

Mr. Brian Hastings  
Public Utility Commission  
William B. Travis Building  
P.O. Box 13326  
1701 Noth Congress Avenue  
Austin, TX 78701-3326

Mr. Roy Hickok  
NRC Technical Training Center  
5700 Brainerd Road  
Chattanooga, TN 37411-4017

Mr. Norris McDonald  
President  
AAEA  
9903 Caltor Lane  
Ft. Washington, MD 20744

Mr. R. I. McLean  
Nuclear Programs  
Power Plant Research Program  
Maryland Department of Natural Resources  
580 Taylor Avenue (B wing, 3rd floor)  
Tawes State Office Building  
Annapolis, MD 21401

Charles Peterson  
Pillsbury, Winthrop, Shaw & Pittman, LLP  
2300 "N" Street, NW  
Washington, DC 20037

President  
Calvert County Board of Commissioners  
175 Main Street  
Prince Frederick, MD 20678

Regional Administrator  
Region I  
U. S. Nuclear Regulatory Commission  
475 Allendale Road  
King of Prussia, PA 19406

COL - Calvert Cliffs Mailing List (Safety)

(Revised 7/16/2009)

Resident Inspector  
U.S. Nuclear Regulatory Commission  
P. O. Box 287  
St. Leonard, MD 20685

Mr. Tom Sliva  
7207 IBM Drive  
Charlotte, NC 28262

Mr. David W. Sutherland  
Chesapeake Bay Field Office  
U.S. Fish and Wildlife Service  
177 Admiral Cochrane Drive  
Annapolis, MD 21401

Mr. George Wrobel  
UniStar Nuclear Energy  
100 Constellation Way, 1400P  
Baltimore, MD 21202-3106

cc:

[APH@NEI.org](mailto:APH@NEI.org) (Adrian Heymer)  
[awc@nei.org](mailto:awc@nei.org) (Anne W. Cottingham)  
[BrinkmCB@westinghouse.com](mailto:BrinkmCB@westinghouse.com) (Charles Brinkman)  
[carey.fleming@constellation.com](mailto:carey.fleming@constellation.com) (Carey Fleming)  
[chris.maslak@ge.com](mailto:chris.maslak@ge.com) (Chris Maslak)  
[cwaltman@roe.com](mailto:cwaltman@roe.com) (C. Waltman)  
[david.lewis@pillsburylaw.com](mailto:david.lewis@pillsburylaw.com) (David Lewis)  
[eddie.grant@excelservices.com](mailto:eddie.grant@excelservices.com) (Eddie Grant)  
[FAlexander@sha.state.md.us](mailto:FAlexander@sha.state.md.us) (Felicia Alexander)  
[george.wrobel@unistarnuclear.com](mailto:george.wrobel@unistarnuclear.com) (George Wrobel)  
[greg.gibson@unistarnuclear.com](mailto:greg.gibson@unistarnuclear.com) (Greg Gibson)  
[greshaja@westinghouse.com](mailto:greshaja@westinghouse.com) (James Gresham)  
[gzinke@entergy.com](mailto:gzinke@entergy.com) (George Alan Zinke)  
[jason.parker@pillsburylaw.com](mailto:jason.parker@pillsburylaw.com) (Jason Parker)  
[gerald.head@ge.com](mailto:gerald.head@ge.com) (Jerald G. Head)  
[jcutierrez@morganlewis.com](mailto:jcutierrez@morganlewis.com) (Jay M. Gutierrez)  
[jim.riccio@wdc.greenpeace.org](mailto:jim.riccio@wdc.greenpeace.org) (James Riccio)  
[JJNesrsta@cpsenergy.com](mailto:JJNesrsta@cpsenergy.com) (James J. Nesrsta)  
[John.O'Neill@pillsburylaw.com](mailto:John.O'Neill@pillsburylaw.com) (John O'Neill)  
[Joseph.Hegner@dom.com](mailto:Joseph.Hegner@dom.com) (Joseph Hegner)  
[KSutton@morganlewis.com](mailto:KSutton@morganlewis.com) (Kathryn M. Sutton)  
[kwaugh@impact-net.org](mailto:kwaugh@impact-net.org) (Kenneth O. Waugh)  
[lchandler@morganlewis.com](mailto:lchandler@morganlewis.com) (Lawrence J. Chandler)  
[lois@ieer.org](mailto:lois@ieer.org) (Lois Chalmers)  
[Marc.Brooks@dhs.gov](mailto:Marc.Brooks@dhs.gov) (Marc Brooks)  
[maria.webb@pillsburylaw.com](mailto:maria.webb@pillsburylaw.com) (Maria Webb)  
[mark.beaumont@wsms.com](mailto:mark.beaumont@wsms.com) (Mark Beaumont)  
[matias.travieso-diaz@pillsburylaw.com](mailto:matias.travieso-diaz@pillsburylaw.com) (Matias Travieso-Diaz)  
[media@nei.org](mailto:media@nei.org) (Scott Peterson)  
[mike\\_moran@fpl.com](mailto:mike_moran@fpl.com) (Mike Moran)  
[MSF@nei.org](mailto:MSF@nei.org) (Marvin Fertel)  
[nirsnet@nirs.org](mailto:nirsnet@nirs.org) (Michael Mariotte)  
[patriciaL.campbell@ge.com](mailto:patriciaL.campbell@ge.com) (Patricia L. Campbell)  
[paul.gaukler@pillsburylaw.com](mailto:paul.gaukler@pillsburylaw.com) (Paul Gaukler)  
[Paul@beyondnuclear.org](mailto:Paul@beyondnuclear.org) (Paul Gunter)  
[pfree@northwestern.edu](mailto:pfree@northwestern.edu) (Professor Paul Friesema)  
[pshastings@duke-energy.com](mailto:pshastings@duke-energy.com) (Peter Hastings)  
[RJB@NEI.org](mailto:RJB@NEI.org) (Russell Bell)  
[RKTemple@cpsenergy.com](mailto:RKTemple@cpsenergy.com) (R.K. Temple)  
[RMClean@dnr.state.md.us](mailto:RMClean@dnr.state.md.us) (Richard McLean)  
[sabinski@suddenlink.net](mailto:sabinski@suddenlink.net) (Steve A. Bennett)  
[sandra.sloan@areva.com](mailto:sandra.sloan@areva.com) (Sandra Sloan)  
[sfrantz@morganlewis.com](mailto:sfrantz@morganlewis.com) (Stephen P. Frantz)  
[sgray@dnr.state.md.us](mailto:sgray@dnr.state.md.us) (Susan Gray)  
[stephan.moen@ge.com](mailto:stephan.moen@ge.com) (Stephan Moen)

COL - Calvert Cliffs Mailing List (Safety)

(Revised 7/16/2009)

[tkkibler@scana.com](mailto:tkkibler@scana.com) (Tria Kibler)

[tlharpster@ppplweb.com](mailto:tlharpster@ppplweb.com) (Terry L. Harpster)

[trsmith@winston.com](mailto:trsmith@winston.com) (Tyson Smith)

[Vanessa.quinn@dhs.gov](mailto:Vanessa.quinn@dhs.gov) (Vanessa Quinn)

[VictorB@bv.com](mailto:VictorB@bv.com) (Bill Victor)

[Wanda.K.Marshall@dom.com](mailto:Wanda.K.Marshall@dom.com) (Wanda K. Marshall)

[wj3@comcast.net](mailto:wj3@comcast.net) (William Johnston)



cc:

Mr. Harold Sharlin  
3401 38th Street NW, #318  
Washington, DC 20016

Mr. David Zonderman  
252 Driftwood  
Solomons, MD 20688

Mr. Mark Coles  
Business Legislative Rep.  
Building and Construction Trades Council  
5829 Allentown Road  
Camp Springs, MD 20746

Ms. Jacqui Steele-McCall  
GS Proctor  
9912 Sudan Place  
Upper Marlboro, MD 20772

Mr. David Murphy  
UniStar Nuclear Energy  
750 Pratt Street, 14th Floor  
Baltimore, MD 21202

Mr. Joe Mihalcik  
UniStar Nuclear Energy  
2264 Birch Road  
Port Republic, MD 20676

Mr. Bud Hanbury  
I.U.O.E.  
4546 Britannia Way  
Suitland, MD 20746

Mr. David Turner  
Constellation  
24672 Apple Sauce Lane  
Hollywood, MD 20636

Mr. Richard Lloyd  
Attorney  
135 W Dares Beach Road, Suite 209A  
Prince Fredrick, MD 20678

Mr. Bill Burch  
MACTEC  
560 Herndon Parkway, Suite 200  
Herndon, VA 20170

Mr. Ed Sabo  
MACTEC  
MACTEC Federal Programs  
560 Herndon Parkway, Suite 200  
Herndon, VA 20170

Mr. Donald Brown  
United Association  
26205 Yowaiski Mill Road  
Mechanicsville, MD 20659

Mr. Mike Dorsey  
BCTD  
1601 16th Street NW  
Washington, DC 20006

Mr. Norman Meadow  
MD Conservation Council  
2304 South Road  
Baltimore, MD 21209

Ms. Delores Caniglia  
13400 Lore Pines Lane  
Solomons, MD 20688

Mr. Charles E. MacDonald  
P.O. Box 38  
Chesapeake Beach, MD 20732

Ms. Amy Cordner  
Calvert Cliffs Nuclear Power Plant  
1955 Parkers Creek Spur  
Port Republic, MD 20676

Mr. Danny Adams  
MD Department of the Environment  
1800 Washington Blvd.  
Baltimore, MD 21250

Mr. Jay Gaines  
12947 Huron Drive  
Lusby, MD 20657

Mr. Michael Griffin  
MD Department of the Environment  
1800 Washington Blvd.  
Baltimore, MD 21230

Mr. Juan Carlos Recinos  
Local Union 201  
1507 Rhode Island Avenue NE  
Washington, DC 20018

Mr. Tyrone Washington  
Iron Workers Local 201  
3917 29th Street Apt 214  
Washington, DC 20008

Mr. Bob Migliaccio  
Iron Workers Local 201  
1507 Rhode Island Avenue NE  
Washington, DC 20008

Mr. Ryan Leonard  
Iron Workers Local 201  
4665 Port Tobacco Road  
Nanjemoy, MD 20662

Ms. Dawn Tuckor  
Calvert County Minority Business Alliance  
4140 Holbrook Road  
Huntington, MD 20639

Ms. Felicia Alexander  
Maryland State Highway Administration  
707 North Calvert Street, Mail Stop C-301  
Baltimore, MD 21202

Mr. Randy Holton  
Box 768  
Newburg, MD 20664

Lee and April Minin  
P.O. Box 998  
Solomons, MD 20688

Mr. Timothy Butler  
12407 Red Rock Trial  
Lusby, MD 20657

Mr. John Rayner  
Iron Workers Local Union No 5  
9100 Old Marlboro Pike  
Upper Marlboro, MD 20772-3627

Mr. Milo Chaffee  
Sheet Metal Workers Local 100  
4725 Silver Hill Road  
Suitland, MD 20746

Mr. Michael Lukey  
MACTEC  
560 Herndon Parkway, Suite 200  
Herndon, MD 20170

Mr. Keith Crissman  
Constellation  
23380 Tara Lane  
Hollywood, MD 20636

Mr. Phillip Benavides  
North American Young  
Generation in Nuclear  
3591 Saint Leonard Road  
Port Republic, MD 20676

Mr. Frank Fox  
Sierra Club  
27290 Woodburn Hill Road  
Mechanicsville, MD 20659

Mr. Robert Tufts  
Maryland Green Party  
1308 Fairfax Avenue  
Churchton, MD 20733

Mr. Mic Gribben  
Tetra Tech Inc.  
20251 Century Blvd.  
Germantown, MD 20874

Mr. Michael Pritchard  
Iron Workers Local Union No 5  
24380 Apt B  
Mervell Dean Road  
Hollywood, MD 20636

Mr. Kenneth Moore  
8258 Cooperleaf Court  
Owens, MD 20736-3615

Mr. James Sinclair  
2120 Tamarac Trail  
Lusby, MD 20657

Ms. Kathy Anderson  
U.S. Army Corps of Engineers  
Baltimore District  
P.O. Box 1715  
Baltimore, MD 21209-1715

Mr. Bob Nelson,  
Health Physicist  
Maryland Dept. of the Environment  
1800 Washington Blvd.  
Baltimore, MD 21230

Ms. Dantia Boonchaisri  
Calvert County Dept. of Economic Development  
Court House  
Prince Fredrick, MD 20678

Ms. Brenda MacNair  
11010 Mill Bidge Road  
Lusby MD 20657

Ms. Theresa Hunter  
42566 Anne Court  
Hollywood, MD 20636

Mr. Nick Garrett  
Calvert Tourism Commission  
378 Cambridge Place  
Prince Fredrick, MD 20678

Ms. Deborah McClure  
Chamber of Commerce  
1165 Beacon Way  
Lusby, MD 20657

Dr. Gwen DeBois  
Physicians for Social Responsibility  
1817 Sulgnwe Avenue  
Baltimore, MD 21209

Mr. Brad Kanbowsky  
P.O. Box 1276  
Huntington, PA 20637

Mr. Randy Holter  
P.O. Box 76  
Newburg, MD 20664

Ms. Susan T. Gray , Program Manager  
Power Plant Research Program  
Tawes State Office Building  
580 Taylor Avenue  
Annapolis, MD 21401

Mr. Bill Scarafia  
St. Mary's County Chamber of Commerce  
44220 Airport Road  
California, MD 20619

Mr. Wilson L. Parran, Sr.  
55 Arthur King Road  
Prince Fredrick, MD 20678

Ms. Marjory M. Donn  
19 Woodland Way  
Greenbelt, MD 20770

Mr. Gerald W. Clark  
Vice President  
Calvert County  
Board of County Commissioners  
Courthouse, 175 Main Street  
Prince Frederick, MD 20678

Mr. Albert W. Zahniser  
Zahniser's Yachting Center  
245 C Street  
P.O. Box 760  
Solomons, MD 20688

Mr. Joseph Green  
29 Francis Street  
Annapolis, MD 21401

Ms. Linda L. Kelley  
Board of County Commissioners  
Courthouse, 175 Main Street  
Prince Frederick, MD 20678

Ms. Susan Shaw  
Board of County Commissioners  
Courthouse, 175 Main Street  
Prince Frederick, MD 20678

Ms. Barbara A. Stinnett  
Board of County Commissioners  
Courthouse, 175 Main Street  
Prince Frederick, MD 20678

Ms. Margaret E. Gaffney-Smith  
Chief, Regulatory Branch  
Department of the Army  
Baltimore District  
U.S. Army Corps of Engineers  
P.O. Box 1715  
Baltimore, MD 21203-1715

Alan Summerville  
ICF International  
9300 Lee Highway  
Fairfax, VA 22031-1207

Mr. Gary V. Hodge, Chairman  
Tri-County Council for Southern Maryland  
P.O. Box 745  
Hughesville, MD 20637

Mr. Anthony J. O'Donnell  
Delegate, District 29C  
The Maryland House of Delegates  
Annapolis, MD 21401

Mr. Wilison H. Parran, President  
Board of County Commissioners  
Courthouse, 175 Main Street  
Prince Frederick, MD 20678

Professor Paul Friesema  
Environmental Policy and Culture Program  
304 Scott Hall  
601 University Place  
Northwestern University  
Evanston, IL 60208-1006

cc:

[Kathy.Anderson@usace.army.mil](mailto:Kathy.Anderson@usace.army.mil) (Kathy Anderson)  
[Phillip.Benavides@comcast.net](mailto:Phillip.Benavides@comcast.net) (Phillip Benavides)  
[Trondelle2002@yahoo.com](mailto:Trondelle2002@yahoo.com) (Trondelle Brooks)  
[Whbiv@nc.rr.com](mailto:Whbiv@nc.rr.com) (William Buchanan)  
[Kcrissman@md.metrocast.net](mailto:Kcrissman@md.metrocast.net) (Brenice Crissman)  
[Paul@beyondnuclear.org](mailto:Paul@beyondnuclear.org) (Paul Gunter)  
[Kevin@beyondnuclear.org](mailto:Kevin@beyondnuclear.org) (Kevin Kamps)  
[NorrisMcDonald@msn.com](mailto:NorrisMcDonald@msn.com) (Norris McDonald)  
[Smcgarvey@bctd.org](mailto:Smcgarvey@bctd.org) (Sean McGarvey)  
[Meadownd@jhu.edu](mailto:Meadownd@jhu.edu) (Norm Meadow)  
[Csavoy@smwlocal100.com](mailto:Csavoy@smwlocal100.com) (Clifton Savoy)  
[brookelynn1971@yahoo.com](mailto:brookelynn1971@yahoo.com) (NK Acevedo)  
[kaitken5@comcast.net](mailto:kaitken5@comcast.net) (Keith Aitken)  
[e-albright@animail.net](mailto:e-albright@animail.net) (Evan Albright)  
[dandersop51@hotmail.com](mailto:dandersop51@hotmail.com) (David Anderson)  
[lesmotsdujour@sbcglobal.net](mailto:lesmotsdujour@sbcglobal.net) (Phyllis Arist)  
[eg1406arndt@yahoo.com](mailto:eg1406arndt@yahoo.com) (Gunter Arndt)  
[zoe\\_armas@msn.com](mailto:zoe_armas@msn.com) (Zoe Armas)  
[kavance@surewest.net](mailto:kavance@surewest.net) (Kenneth Avance)  
[dangerbat2881@gmail.com](mailto:dangerbat2881@gmail.com) (Meghan Bainum)  
[cbakalian@copper.net](mailto:cbakalian@copper.net) (Craig Bakalian)  
[natyliesb@gmail.com](mailto:natyliesb@gmail.com) (Natylie Baldwin)  
[pharb2@msn.com](mailto:pharb2@msn.com) (Phillip Barr)  
[aiv777@yaoo.com](mailto:aiv777@yaoo.com) (Alice Bartholomew)  
[tbaummer@umd.edu](mailto:tbaummer@umd.edu) (Thomas Baummer)  
[mayabels@hotmail.com](mailto:mayabels@hotmail.com) (Maya Be)  
[beckers@thegrid.net](mailto:beckers@thegrid.net) (Rochelle Becker)  
[gbedding@verizon.net](mailto:gbedding@verizon.net) (Gerhard Bedding)  
[behabadi@usc.edu](mailto:behabadi@usc.edu) (Bardia Behabadi)  
[rcebissy@roadrunner.com](mailto:rcebissy@roadrunner.com) (Rick Bissonnette)  
[blackcats2003@embarqmail.com](mailto:blackcats2003@embarqmail.com) (Monica Latka Black)  
[citizen.org@azf.us](mailto:citizen.org@azf.us) (Eric Blomstrom)  
[Ellenb4@pacbell.net](mailto:Ellenb4@pacbell.net) (Ellen Borrowman)  
[toot1954@hotmail.com](mailto:toot1954@hotmail.com) (William Boswell)  
[ruthbriggs1@comcast.net](mailto:ruthbriggs1@comcast.net) (Ruth Briggs)  
[emb@edselmbrownjr advisors.com](mailto:emb@edselmbrownjr advisors.com) (Edsel Brown Jr.)

[riverblufffarm@embarqmail.com](mailto:riverblufffarm@embarqmail.com) (Suzy C)  
[jpchinn@sbcglobal.net](mailto:jpchinn@sbcglobal.net) (Jason Chinn)  
[ekc7273@yahoo.com](mailto:ekc7273@yahoo.com) (Kevin Clark)  
[loralee13@verizon.net](mailto:loralee13@verizon.net) (Loralee Clark)  
[melissaaggie98@att.net](mailto:melissaaggie98@att.net) (Melissa Cleaver)  
[stevecoster@comcast.net](mailto:stevecoster@comcast.net) (Steven Coster)  
[dbcc@comcast.net](mailto:dbcc@comcast.net) (Duncan Cox)  
[waltercrawley@comcast.net](mailto:waltercrawley@comcast.net) (Jackie Crawley)  
[carol.crocca@pobox.com](mailto:carol.crocca@pobox.com) (Carol Crocca)  
[rculp@neo.rr.com](mailto:rculp@neo.rr.com) (Richard Culp)  
[c.curington@comcast.net](mailto:c.curington@comcast.net) (Diana Curington)  
[bigdaddy69\\_77@yahoo.com](mailto:bigdaddy69_77@yahoo.com) (Big Daddy)  
[ddarb8-donor@yahoo.com](mailto:ddarb8-donor@yahoo.com) (David Darbyshire)  
[gastonrdh@yahoo.com](mailto:gastonrdh@yahoo.com) (Gaston DesHarnais)  
[lorend7@aol.com](mailto:lorend7@aol.com) (Lorenzo Diaz)  
[bdolly1@yahoo.com](mailto:bdolly1@yahoo.com) (William Dolly)  
[music@frankdufay.com](mailto:music@frankdufay.com) (Frank Dufay)  
[djebhs@sbcglobal.net](mailto:djebhs@sbcglobal.net) (Cheryl Emmons)  
[cindyverde@aol.com](mailto:cindyverde@aol.com) (Cynthia Erdesohn)  
[heymeat@charter.net](mailto:heymeat@charter.net) (Michael Evans)  
[suefaigs@hotmail.com](mailto:suefaigs@hotmail.com) (Susan Faigle)  
[gfernnow@hotmail.com](mailto:gfernnow@hotmail.com) (Geoff Fernow)  
[marilyn52141.tom71737@yahoo.com](mailto:marilyn52141.tom71737@yahoo.com) (Marilyn & Tom Finnelli)  
[allisonfisher@gmail.com](mailto:allisonfisher@gmail.com) (Allison Fisher)  
[pfoppe@hotmail.com](mailto:pfoppe@hotmail.com) (Paul Foppe)  
[alvafull@comcast.net](mailto:alvafull@comcast.net) (Alfred S. Fuller)  
[taopower@charter.net](mailto:taopower@charter.net) (Joe Futterer)  
[globogal@aol.com](mailto:globogal@aol.com) (Gloria Gannaway)  
[kelly.garbato@gmail.com](mailto:kelly.garbato@gmail.com) (Kelly Garbato)  
[citizen.org@patgarner.com](mailto:citizen.org@patgarner.com) (Patrick Garner)  
[john.b.gilpin@gmail.com](mailto:john.b.gilpin@gmail.com) (John Gilpin)  
[rianagood@yahoo.com](mailto:rianagood@yahoo.com) (Riana Good)  
[wgoodrich@tx.rr.com](mailto:wgoodrich@tx.rr.com) (Anne Goodrich)  
[bobcja@hotmail.com](mailto:bobcja@hotmail.com) (Robert Grad)  
[rsmrgrss@yahoo.com](mailto:rsmrgrss@yahoo.com) (Rosemarie Grassi)  
[cgbrez@geticonnect.com](mailto:cgbrez@geticonnect.com) (Colette Guay-Brezner)  
[laurieh1@pwhome.com](mailto:laurieh1@pwhome.com) (Laurie Harberson)  
[mollyhauck@verizon.net](mailto:mollyhauck@verizon.net) (Molly Hauck)  
[chedlund@readington.k12.nj.us](mailto:chedlund@readington.k12.nj.us) (Cara Hedlund)

[stevehelvic@hotmail.com](mailto:stevehelvic@hotmail.com) (Steven Helvick)  
[edtiior@oracle20-20.com](mailto:edtiior@oracle20-20.com) (Sherry Henderson)  
[georgia@liafail.org](mailto:georgia@liafail.org) (Georgia Hinton)  
[dancerforpeace@gmail.com](mailto:dancerforpeace@gmail.com) (Lilli Hoffman)  
[fhjesg@yahoo.com](mailto:fhjesg@yahoo.com) (Frederick Holzer)  
[marilynhood45@yahoo.com](mailto:marilynhood45@yahoo.com) (Marilyn Hood)  
[thebetsy1@aol.com](mailto:thebetsy1@aol.com) (Betsy Hooker)  
[kyradebbie@netscape.net](mailto:kyradebbie@netscape.net) (Debbie Huffman)  
[patricia\\_hughey@yahoo.com](mailto:patricia_hughey@yahoo.com) (Patricia Hughey)  
[shiuhung@sbcglobal.net](mailto:shiuhung@sbcglobal.net) (Shiu Hung)  
[richardh@latech.edu](mailto:richardh@latech.edu) (Richard Hutchinson)  
[jaireland@speedyquick.net](mailto:jaireland@speedyquick.net) (John Ireland)  
[phheal@hotmail.com](mailto:phheal@hotmail.com) (Hollis Jones)  
[rivereye@gmail.com](mailto:rivereye@gmail.com) (Mary Jones-Giampalo)  
[joosgalefamily@comcast.net](mailto:joosgalefamily@comcast.net) (Sandra Joos)  
[pattyjula@hotmail.com](mailto:pattyjula@hotmail.com) (Patty Jula)  
[roardin@hotmail.com](mailto:roardin@hotmail.com) (Raymond T. Kaliski)  
[Dn4Ka@aol.com](mailto:Dn4Ka@aol.com) (Donna Kane)  
[shari.katz@protiviti.com](mailto:shari.katz@protiviti.com) (Shari Katz)  
[tkjer@comcast.net](mailto:tkjer@comcast.net) (Timothy Kjer)  
[Eric\\_Klusman@yahoo.com](mailto:Eric_Klusman@yahoo.com) (Eric Klusman)  
[daknechel@verizon.net](mailto:daknechel@verizon.net) (David Knechel)  
[lorenkramer@comcast.net](mailto:lorenkramer@comcast.net) (Loren Kramer)  
[gkuintze@csuchico.edu](mailto:gkuintze@csuchico.edu) (Gaylene Kuintzle)  
[robert.lack@usmc.mil](mailto:robert.lack@usmc.mil) (Robert Lack)  
[patlallo@yahoo.com](mailto:patlallo@yahoo.com) (Patrick Lallo)  
[whirleygirls4@yahoo.com](mailto:whirleygirls4@yahoo.com) (Anne Marie la Lumia)  
[franswas@rcn.com](mailto:franswas@rcn.com) (Francoise LaMonica)  
[rondal7963@sbcglobal.net](mailto:rondal7963@sbcglobal.net) (Ronda Latham)  
[clavigne@warppmail.net](mailto:clavigne@warppmail.net) (Carole LaVigne)  
[democrats.rule@hotmail.com](mailto:democrats.rule@hotmail.com) (Angela Lee)  
[wajun1@mac.com](mailto:wajun1@mac.com) (Brenda Loew)  
[c.luczkiowiak@gmail.com](mailto:c.luczkiowiak@gmail.com) (Christopher Luczkiowiak)  
[Dimitri.Lutchenkov@unistarnuclear.com](mailto:Dimitri.Lutchenkov@unistarnuclear.com) (Dimitri Lutchenkov)  
[TalkiTina@hotmail.com](mailto:TalkiTina@hotmail.com) (Crystal M)  
[kimberly\\_mackall@comcast.net](mailto:kimberly_mackall@comcast.net) (Kimberly L. Mackall)  
[jmacnulty@adelphia.net](mailto:jmacnulty@adelphia.net) (Joy MacNulty)  
[OCEANSIDESOUL@YAHOO.COM](mailto:OCEANSIDESOUL@YAHOO.COM) (L Magee)  
[jillmanske@aol.com](mailto:jillmanske@aol.com) (Jill Manske)  
[jackdavidm@nyc.rr.com](mailto:jackdavidm@nyc.rr.com) (Jack David Marcus)

[nirsnet@nirs.org](mailto:nirsnet@nirs.org) (Michael Mariotte)  
[jbradymarks@msn.com](mailto:jbradymarks@msn.com) (John Marks)  
[raunstar@yahoo.com](mailto:raunstar@yahoo.com) (Rauni Marsh)  
[t\\_l\\_massey@hotmail.com](mailto:t_l_massey@hotmail.com) (Tom Massey)  
[camar111@ameritech.net](mailto:camar111@ameritech.net) (Richard McArthur)  
[mmc@well.com](mailto:mmc@well.com) (Matthew McClure)  
[tmacmccoy@hotmail.com](mailto:tmacmccoy@hotmail.com) (Timothy McCoy)  
[strathmoreeastcondo@gmail.com](mailto:strathmoreeastcondo@gmail.com) (Chris McKenna)  
[kathymckenna@snet.net](mailto:kathymckenna@snet.net) (Kathy McKenna)  
[swim2it@gmail.com](mailto:swim2it@gmail.com) (Lauren McKenna)  
[rmckenna25@hotmail.com](mailto:rmckenna25@hotmail.com) (Rick McKenna)  
[meadownd@jhu.edu](mailto:meadownd@jhu.edu) (Norman Meadow)  
[thembones2@hotmail.com](mailto:thembones2@hotmail.com) (Richard Metz)  
[getkent@roadrunner.com](mailto:getkent@roadrunner.com) (Kent Minault)  
[tinalmiranda@yahoo.com](mailto:tinalmiranda@yahoo.com) (Tina Miranda)  
[kerrymoore@webtv.net](mailto:kerrymoore@webtv.net) (Kerry Moore)  
[lidode@att.net](mailto:lidode@att.net) (Liz Mostov)  
[cmunsonjr@stny.rr.com](mailto:cmunsonjr@stny.rr.com) (Clarence William Munson)  
[twnjrspc@aol.com](mailto:twnjrspc@aol.com) (Thomas Nagle)  
[FNANFRA@AOL.COM](mailto:FNANFRA@AOL.COM) (Rev. Freya Nanfra)  
[JIMMIENASH@msn.com](mailto:JIMMIENASH@msn.com) (James Nash)  
[nerode@yahoo.com](mailto:nerode@yahoo.com) (Gregory Nerode)  
[welditt@verizon.net](mailto:welditt@verizon.net) (wesley novick)  
[Albert.Nunez@CapitalSunGroup.com](mailto:Albert.Nunez@CapitalSunGroup.com) (Albert Nunez)  
[cnunez001@ca.rr.com](mailto:cnunez001@ca.rr.com) (Carlos Nunez)  
[boakes@aflcio.org](mailto:boakes@aflcio.org) (Bonnie Oakes)  
[HarryO3@AOL.com](mailto:HarryO3@AOL.com) (Harry Olmstead)  
[pat\\_omeara@hotmail.com](mailto:pat_omeara@hotmail.com) (Patrick O'Meara)  
[bth8fire4u@imaxmail.net](mailto:bth8fire4u@imaxmail.net) (Lauren Pacheco-Theard)  
[kpaquet@beaumontservices.com](mailto:kpaquet@beaumontservices.com) (Kevin Paquet)  
[barryandjudy@hotmail.com](mailto:barryandjudy@hotmail.com) (Barry Parsons)  
[this2ismynewaddress@yahoo.com](mailto:this2ismynewaddress@yahoo.com) (Georgia Paul)  
[lietteped@gmail.com](mailto:lietteped@gmail.com) (Liette Pedraza-Tucker)  
[peckos@comcast.net](mailto:peckos@comcast.net) 9 Margaret T.M. Petkiewicz)  
[jazzmanneobop@yahoo.com](mailto:jazzmanneobop@yahoo.com) (Donald Phipps)  
[weesap@ca.rr.com](mailto:weesap@ca.rr.com) (Lisa Piner)

[dpiser@gmail.com](mailto:dpiser@gmail.com) (Daniel Piser)  
[lancepolya@alum.dartmouth.org](mailto:lancepolya@alum.dartmouth.org) (Lance Polya)  
[louputney@yahoo.com](mailto:louputney@yahoo.com) (Louis Putney)  
[nrader@igc.org](mailto:nrader@igc.org) (Nancy Rader)  
[Roger.Radford@nbcuni.com](mailto:Roger.Radford@nbcuni.com) (Roger Radford, Jr.)  
[rainesfamilyfarm@hotmail.com](mailto:rainesfamilyfarm@hotmail.com) (Mary Raines)  
[eramstrom@sbcglobal.net](mailto:eramstrom@sbcglobal.net) (Eric G Ramstrom)  
[dave32@ecologyfund.net](mailto:dave32@ecologyfund.net) (David Randall)  
[srankin@uoregon.edu](mailto:srankin@uoregon.edu) (Susan Rankin)  
[gregory.reidenbach@sbcglobal.net](mailto:gregory.reidenbach@sbcglobal.net) (Gregory Reidenbach)  
[rosenblum@cyberonic.com](mailto:rosenblum@cyberonic.com) (Stephen Rosenblum)  
[annie.ross@gmail.com](mailto:annie.ross@gmail.com) (Anne Ross)  
[rudymr@comcast.net](mailto:rudymr@comcast.net) (Mike Rudy)  
[asather@wiktel.com](mailto:asather@wiktel.com) (Alice Sather)  
[JIMMIENASH@msn.com](mailto:JIMMIENASH@msn.com) (James Nash)  
[tycomputerguy@gmail.com](mailto:tycomputerguy@gmail.com) (Jason Schmidt)  
[rookielaw@core.com](mailto:rookielaw@core.com) 9 Ricky Schopp)  
[wschwarz44@yahoo.com](mailto:wschwarz44@yahoo.com) (Walter Schwarz)  
[king16x@excite.com](mailto:king16x@excite.com) (Bud See)  
[scottshaf@aol.com](mailto:scottshaf@aol.com) (Scott Shafer)  
[brittany\\_shannahan@hotmail.com](mailto:brittany_shannahan@hotmail.com) (Brittany Shannahan)  
[lds127@comcast.net](mailto:lds127@comcast.net) (Linda Shashani)  
[drumnbasically@yahoo.com](mailto:drumnbasically@yahoo.com) (Sarah Sherrow)  
[shively@iup.edu](mailto:shively@iup.edu) (Daniel Shively)  
[siecke@patmedia.net](mailto:siecke@patmedia.net) (Martin Siecke)  
[bigoyardman10@aol.com](mailto:bigoyardman10@aol.com) (Owen Simila)  
[m\\_skercevic@comcast.net](mailto:m_skercevic@comcast.net) (Maria Skercevic)  
[seculi017@gmail.com](mailto:seculi017@gmail.com) (Enoch Smith)  
[marthanoel@mac.com](mailto:marthanoel@mac.com) (Martha Smith)  
[postscript2@comcast.net](mailto:postscript2@comcast.net) (Patricia Snowden)  
[caliwoman63@verizon.net](mailto:caliwoman63@verizon.net) (Susanna Sorin)  
[soroos@mindspring.com](mailto:soroos@mindspring.com) (Marvin S. Soroos)  
[billieholidaynyclandmarksociety@yahoo.com](mailto:billieholidaynyclandmarksociety@yahoo.com) (Yvonne Soto)  
[stevens126@charter.net](mailto:stevens126@charter.net) (Denise Stevens)  
[lcaisse@comcast.net](mailto:lcaisse@comcast.net) (Lisa Stilwell)  
[lstrge@verizon.net](mailto:lstrge@verizon.net) (Linda Strange)  
[tonytheil2@aol.com](mailto:tonytheil2@aol.com) (Tony Theil)  
[abhayathiele@yahoo.com](mailto:abhayathiele@yahoo.com) (Abhaya Thiele)

[jt1330@swbell.net](mailto:jt1330@swbell.net) (James Tornatore)  
[artiii65@msn.com](mailto:artiii65@msn.com) (Art Trenholme)  
[info@calvertcountymba.org](mailto:info@calvertcountymba.org) (Dawn Tucker)  
[tamisha\\_turner@yahoo.com](mailto:tamisha_turner@yahoo.com) (Tamisha Turner)  
[cliff\\_valliere@hotmail.com](mailto:cliff_valliere@hotmail.com) (Cliff Valliere)  
[campusminister1@aol.com](mailto:campusminister1@aol.com) (Margot VanEtten)  
[jvieg@hotmail.com](mailto:jvieg@hotmail.com) (Jeannette Vieg)  
[evoeller@charter.net](mailto:evoeller@charter.net) (Estelle Voeller)  
[vogtpr@comcast.net](mailto:vogtpr@comcast.net) (Peter Vogt)  
[smcmw@olemiss.edu](mailto:smcmw@olemiss.edu) (Melanie Wadkins)  
[tesarola@mcn.org](mailto:tesarola@mcn.org) (Sam Waldman)  
[s.walker.meere@roadrunner.com](mailto:s.walker.meere@roadrunner.com) (Susan Walker-Meere)  
[djw411@verizon.net](mailto:djw411@verizon.net) (Donald Walsh)  
[bjw\\_ena@ionsky.com](mailto:bjw_ena@ionsky.com) (Betty Walters)  
[gabystamper@yahoo.com](mailto:gabystamper@yahoo.com) (Gabrielle Wanner)  
[johnrward@hotmail.com](mailto:johnrward@hotmail.com) (John Ward)  
[nocloneshere@yahoo.com](mailto:nocloneshere@yahoo.com) (Irene Welch)  
[inkings@cybermesa.com](mailto:inkings@cybermesa.com) (Paul Wilkins)  
[ctallah@sbcglobal.net](mailto:ctallah@sbcglobal.net) (CaraLea Willoughby)  
[adilson\\_1999@yahoo.com](mailto:adilson_1999@yahoo.com) (Deb Wilson)  
[jjoorrddaann@gmail.com](mailto:jjoorrddaann@gmail.com) (Jordan Yeatts)  
[mzastaw1@optonline.net](mailto:mzastaw1@optonline.net) (Margaret Zastawecky)  
[laybala@aol.com](mailto:laybala@aol.com) (Linda Zelikson)  
[pfree@northwestern.edu](mailto:pfree@northwestern.edu) (Paul Friesema)