

May 29, 2009

**UNITED STATES OF AMERICA  
NUCLEAR REGULATORY COMMISSION**

Before the Atomic Safety and Licensing Board

In the Matter of	)	
	)	Docket Nos. 50-282-LR
Northern States Power Co.	)	50-306-LR
	)	
(Prairie Island Nuclear Generating Plant,	)	ASLBP No. 08-871-01-LR
Units 1 and 2)	)	

**PRAIRIE ISLAND INDIAN COMMUNITY'S  
THIRD SUPPLEMENTAL DISCLOSURES**

Pursuant to 10 C.F.R. § 2.336, the Prairie Island Indian Community ("PIIC") hereby supplements its initial disclosures as follows. This disclosure is based on information currently reasonably available to PIIC and will be supplemented as appropriate. A description of relevant, non-privileged documents and data compilations that have been identified or subsequently developed or obtained is provided in Attachment 1.

Respectfully Submitted,

*/Signed electronically by Philip R. Mahowald/*

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Philip R. Mahowald  
PRAIRIE ISLAND INDIAN COMMUNITY  
5636 Sturgeon Lake Road  
Welch, MN 55089  
Tel. (651) 267-4006  
Counsel for Prairie Island Indian Community

Dated: May 29, 2009

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CERTIFICATE OF SERVICE

I hereby certify that copies of "Prairie Island Indian Community's Third Supplemental Disclosures," dated May 29, 2009, was provided to the Electronic Information Exchange for service on the individuals listed below, this 29th day of May, 2009.

Administrative Judge  
William J. Froehlich, Esq., Chair  
Atomic Safety and Licensing Board  
Mail Stop T-3 F23  
U.S. Nuclear Regulatory Commission  
Washington, D.C. 20555-0001  
Email: wjfl@nrc.gov

Administrative Judge  
Dr. Gary S. Arnold  
Atomic Safety and Licensing Board  
Mail Stop T-3 F23  
U.S. Nuclear Regulatory Commission  
Washington, D.C. 20555-0001  
Email: gxa1@nrc.gov

Administrative Judge  
Dr. Thomas J. Hirons  
Atomic Safety and Licensing Board  
Mail Stop T-3 F23  
U.S. Nuclear Regulatory Commission  
Washington, D.C. 20555-0001  
Email: thomas.hirons@nrc.gov

Secretary  
Att'n: Rulemakings and Adjudications Staff  
Mail Stop O-16 C1  
U.S. Nuclear Regulatory Commission  
Washington, D.C. 20555-0001  
secy@nrc.gov; hearingdocket@nrc.gov

Office of Commission Appellate Adjudication  
Mail Stop O-16 C1  
U.S. Nuclear Regulatory Commission  
Washington, DC 20555-0001  
E-mail: ocaamail@nrc.gov

Beth N. Mizuno, Esq.  
David E. Roth, Esq.  
Maxwell C. Smith, Esq.  
Brian Harris, Esq.  
Office of the General Counsel  
Mail Stop O-15 D21  
U.S. Nuclear Regulatory Commission  
Washington, D.C. 20555-0001  
E-mail: beth.mizuno@nrc.gov;  
david.roth@nrc.gov; maxwell.smith@nrc.gov;  
brian.harris@nrc.gov

David R. Lewis, Esq.  
Matias F. Travieso-Diaz, Esq.  
Stefanie M. Nelson, Esq.  
Pillsbury, Winthrop, Shaw, Pittman, LLP  
2300 N Street, N.W.  
Washington, DC 20037-1122  
E-mail: david.lewis@pillsburylaw.com  
E-mail: matias.travieso-diaz@pillsburylaw.com  
E-mail: stefanie.nelson@pillsburylaw.com

Peter M. Glass, Esq.  
Xcel Energy Services, Inc.  
414 Nicollet Mall  
Minneapolis, Minnesota 55401  
E-mail: peter.m.glass@xcelenergy.com

/Signed electronically by Philip R. Mahowald/

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Philip R. Mahowald

## ATTACHMENT 1

### Production Log for PIIC's Third Supplemental Disclosures (May 29, 2009)

Document I.D.	Description
PIIC000165	NRC Regulatory Issue Summary 2006-04, Experience with Implementation of Alternative Source Terms (March 7, 2006)
PIIC000166	Low Dose Exposures in the Environment: Dose-Effect Relations and Risk Evaluations, C. Streffer et al. (2004)
PIIC000167	Estimates of Ionizing Radiation Doses in the United States 1960-2000, U.S. Environmental Protection Agency, Office of Radiation Programs, Division of Criteria and Standards (August 1972)
PIIC000168	"An Attempt for Modeling the Atmospheric Transport Of <sup>3</sup> H Around Kakrapar Atomic Power Station," A. K. Patra et al., <u>Radiation Protection Dosimetry</u> , Vol. 130, No. 3, pp. 351-357 (2008).
PIIC000169	"Future Tritium Monitoring around Nuclear Power Plant," H. Hayakawa, H. Matsuura, S. Igarashi and H. Tokuyama, Fukui Pref. Environmental Radiation Research & Monitoring Center, Harame-cho, 39-4, Fukui 910-0825 Japan
PIIC000170	"Deposition of Tritiated Water Vapour to Water Surface in an Outdoor Field," H. Noguchi et al., <u>Radiation Protection Dosimetry</u> Vol. 93, No. 2, pp. 167-172 (2001)
PIIC000171	"Precipitation Washout of Tritiated Water Vapor from a Nuclear Reactor," H. Tokuyama & M. Oonishi, <u>J. Environ. Radioactivity</u> , Vol. 34, No. 1, pp. 59-68 (1997)
PIIC000172	"Problems in Evaluating Radiation Dose via Terrestrial and Aquatic Pathways," Burton E. Vaughan et al., <u>Environmental Health Perspectives</u> , Vol. 42, pp. 149-161 (1981).
PIIC000173	"Tritium Recapture Behavior at Nuclear Power Reactor Due to Airborne Releases," Jason T. Harris et al., <u>Health Physics</u> , Vol. 95, No. 2 (August 2008) (2008)
PIIC000174	"Tritium Sampling and Measurement," M.J. Wood et al., <u>Health Physics</u> , Vol. 65, No. 6 (1993)
PIIC000175	"Gene Expression Signatures of Radiation Response Are Specific, Durable and Accurate in Mice and Humans," Sarah K. Meadows et al., <a href="http://www.plosone.org">www.plosone.org</a> , Vol. 3, Issue 4, e1912 (April 2008)
PIIC000176	"Cytogenetic Effects of Tritiated Water (HTO) in Human Peripheral Blood Lymphocytes <i>in vitro</i> ," Sreedevi Balakrishnan and B.S. Rao, <u>Int. J. Genet.</u> , Vol. 4, No. 4 (2004)
PIIC000177	"Effects of ionizing radiation on cellular structures, induced instability and carcinogenesis," Marianne Sowa et al., <u>Cancer: Cell Structures, Carcinogens and Genomic Instability</u> (2006)
PIIC000178	"Gene Expression Signatures That Predict Radiation Exposure in Mice and Humans," Holly K. Dressman et al., <a href="http://www.plosmedicine.org">www.plosmedicine.org</a> , Vol. 4, Issue 4, e106 (April 2007)
PIIC000179	"How radiation-specific is the dicentric assay?," Wolfgang Hoffman and Inge Schmitz-Fuerhake, <u>Journal of Exposure Analysis and Environmental Epidemiology</u> , Vol. 2 (1999)
PIIC000180	"Tritium Radiobiology and Relative Biological Effectiveness," T. Straume and A. L. Carsten, <u>Health Physics</u> , Vol. 65, No. 6 (1993)
PIIC000181	"Tritium Hazard Report: Pollution and Radiation Risk from Canadian Nuclear Facilities," Dr. Ian Fairlie (June 2007)
PIIC000182	"Tritium (Hydrogen-3)," Human Health Fact Sheet, ANL (October 2001)
PIIC000183	"Tritium, Radiation Protection Limits, and Drinking Water Standards," USNRC Fact Sheet

PIIC000184	“Health Effects of Tritium,” Rosalie Bertell, Ph.D., GNSH
PIIC000185	“EPA Facts About Tritium,” USEPA (July 2002)
PIIC000186	“Leukemia Mortality among Workers at the Savannah River Site,” David B. Richardson and Steve Wing, <u>American Journal of Epidemiology</u> , Vol. 166, No. 9 (2007)
PIIC000187	“Tritium Risk Assessment,” Tore Straume, <u>Health Physics</u> , Vol. 65, No. 6 (1993)
PIIC000188	“Reviews of Risks from Tritium: Report of the Independent Advisory Group on Ionising Radiation,” Documents of the Health Protection Agency, Radiation, Chemical and Environmental Hazards (November 2007)
PIIC000189	“Assessment and Control of Fetal Exposure,” R. Harty et al., 30 <sup>th</sup> Hanford Symposium on Health and the Environment (1991)
PIIC000190	“NIOSH Multi-Site Leukemia Study,” National Institute for Occupational Safety and Health Announcement of Findings Occupational Energy Research Program, March 2008
PIIC000191	“Cancer is a Preventable Disease that Requires Major Lifestyle Changes,” Preetha Anand et al., <u>Pharmaceutical Research</u> , Vol. 25, No. 9 (September 2008)
PIIC000192	“Theragenomic knowledge management for individualized safety of drugs, chemicals, pollutants and dietary ingredients,” Joseph Gut and Dario Bagatto, <u>Expert Opinion Drug Metab. Toxicol.</u> , Vol. 1, No. 3 (2005)
PIIC000193	“Systems pharmacology and genome medicine: a future perspective,” Aislyn D. Wist et al., <u>Genome Medicine 2009</u> , 1:11 (January 22, 2009)
PIIC000194	“Radiation and Health,” Fact Sheet 12, Bill Williams, <a href="http://energyscience.org.au">energyscience.org.au</a> (November 2006)
PIIC000195	“Leukemia and Exposure to Ionizing Radiation,” Center for Environmental Health Studies, <a href="http://www.jsi.com">www.jsi.com</a>
PIIC000196	“Tritium releases and leukaemia clusters,” Maria Blettner, <u>J. Radiol. Prot.</u> , Vol. 19 (1999)
PIIC000197	“Leukaemia in young children living in the vicinity of German nuclear power plants,” Peter Kaatsch et al., <u>Int. J. Cancer</u> , Vol. 1220, 721-726 (2008)
PIIC000198	“Childhood Leukemias Near Nuclear Power Stations,” Dr. Ian Fairlie, Article for MEDACT Communique, Nuclear Energy and Security, <a href="http://www.ippnw-europe.org">www.ippnw-europe.org</a>
PIIC000199	“Childhood Leukaemia Near Nuclear Installations,” Joseph Mangano and Janette D. Sherman, <u>European Journal of Cancer Care</u> , Vol. 17, 416-418 (2008)
PIIC000200	“Gene-Environment Interactions and Epigenetic Basis of Human Diseases,” Liang Liu et al., <u>Curr. Issues Mol. Biol.</u> , Vol. 10:25-36
PIIC000201	“Breakpoint locations within chromosomes 1, 2, and 4 of patients with increased radiosensitivity,” Silke Schilling et al., <u>Cancer Genetics and Cyrogenetics</u> , Vol. 168: 1-10 (2006)
PIIC000202	“Case-only study of interactions between DNA repair genes (hMLH1, APEX1, MGMT, XRCC1 and XPD) and low-frequency electromagnetic fields in childhood acute leukemia,” You Yang et al., <u>Leukemia &amp; Lymphoma</u> , Vol. 49, No. 12: 2344-2350 (December 2008)
PIIC000203	“Discussion of the Applicability of Microarrays: Profiling of Leukemias,” Torsten Haferlach et al., <u>Microchip Methods in Diagnostics</u> , Vol. 509 (2009)
PIIC000204	“Genetic Susceptibility to Childhood Leukaemia,” Anand P. Chokkalingam and Patricia A. Buffler, <u>Radiation Protection Dosimetry</u> , Vol. 132, No. 2, pp. 119-129 (2008)
PIIC000205	“Variation of conversion rate from tissue free water tritium to organically-bound tritium in lettuces continuously exposed to atmospheric HT and HTO,” Cecile Boyer et al.,
PIIC000206	“Leukaemia in young children living in the vicinity of nuclear power plants,” Julian Little et al., International Union Against Cancer, <a href="http://www.interscience.wiley.com">www.interscience.wiley.com</a> (December 12, 2007)

PIIC000207	“Development of a field portable tritium instrument – applicable detector technologies,” Richard Marsh, <a href="http://resource.npl.co.uk/docs/science_technology/ionising%20radiation/clubs_groups/irmf/3th_meeting/marsh.pdf">http://resource.npl.co.uk/docs/science_technology/ionising%20radiation/clubs_groups/irmf/3th_meeting/marsh.pdf</a>
PIIC000208	Groundwater Daily Data 10.01.2006-10.01.2008 (Map and Graph)
PIIC000209	Groundwater Field Measurements 08.01.1998-08.01.1999 (Graph)
PIIC000210	Groundwater Field Measurements 06.01.1991-01.01.1992 (Graph)
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PIIC000212	Water Level of Sturgeon Lake and Lock and Dam #3, 1998-2002 (Graph)
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PIIC000215	Tritium Concentration in Precipitation 1973-1994 (Graph)
PIIC000216	Tritium Concentration in Precipitation (St. Louis) and Ground Water Samples (Graph)
PIIC000217	Tritium Concentration in Precipitation (Madison, WI and St. Louis, MO) 01.01.1963-01.01.1994 (Graph)
PIIC000218	PINGP Liquid H3 Effluents 1/1974-1/2007 (Graph)
PIIC000219	PINGP’s Liquid & Gaseous H3 Effluents 1/1974-1/2007 (Graph)
PIIC000220	PINGP’s Gaseous H3 Emissions 1/1974-1/2007 (Graph)
PIIC000221	“Genetic Epidemiology of Chronic Lymphocytic Leukemia (CLL),” <a href="http://clinicaltrials.mayo.edu/clinicaltrialdetails.cfm?trial_id=100459">http://clinicaltrials.mayo.edu/clinicaltrialdetails.cfm?trial_id=100459</a>