

**Paul G. Voillequé**  
**MJP Risk Assessment, Inc.**

**Education**

M.S., University of Michigan, Ann Arbor, Michigan 1966  
M. Basic Science, University of Colorado, Boulder, Colorado 1965  
B.S., University of Colorado, Boulder, Colorado 1961

**Professional Experience**

**MJP Risk Assessment, Inc.**

(1990–present)

In 1990, established MJP Risk Assessment, Inc. and began working with *Radiological Assessments Corporation (RAC)* on source term development for the Fernald Dosimetry Reconstruction Project. Continued to work with the *RAC* team of consultants in developing successful proposals for dose reconstruction projects at Rocky Flats (Phase II) and the Savannah River Site (Phases I and II). Successfully completed work on source term development for radionuclide releases from the three facilities. For Rocky Flats, also studied the doses and risks of historic exposures of members of the public to  $^{239}\text{Pu}$  and other radionuclides. Completed another project related to assess early releases of short-lived radionuclides to the atmosphere from Hanford reactors and reprocessing facilities during the early years of operation.

Participated with *RAC* in the three independent technical audits, as resolution of a litigation, of the Los Alamos National Laboratory (LANL) to assess its compliance with requirements of the Clean Air Act. The audits covered the years 1996, 1999, and 2001. Provided minor assistance to *RAC* in work on an independent comprehensive public health risk assessment and development of a risk-informed decision process for cleanup of contaminated areas at LANL. Assisted *RAC* in work to assess the validity of allegations related to public health presented by plaintiffs in a litigation.

Continuing to assist the Fred Hutchinson Cancer Research Center and the National Cancer Institute with reconstruction of radiation doses to persons in the Russian Federation, Ukraine, and Belarus who were exposed following the Chernobyl accident. Other activities included chairing the State of Tennessee's Oak Ridge Health Agreement Steering Panel for their dose reconstruction study dealing with historic releases from Department of Energy facilities in Oak Ridge (until June 2000 when the final Panel work was completed). Appointed in 2005 to the Veteran's Advisory Board on Dose Reconstruction, a Congressionally mandated panel that provides independent review and oversight of the Dose Reconstruction Program for atomic veterans.

Certified in health physics in 1978 by the American Board of Health Physics. Re-certified six times, currently through 2009.

**Science Applications International Corporation (and Science Applications, Inc.)**  
Nuclear Environmental Services Division (1975–1990)

Participated in and directed studies covering a wide range of topics, primarily related to radionuclide behavior within and release from operating nuclear facilities. Other studies focused on the performance of ventilation and air sampling and monitoring systems and aspects of worker exposure. Achieved comprehensive certification in health physics from the American Board of Health Physics in 1978 and met their periodic recertification requirements. Key projects included the following:

- Principal investigator for studies of the chemical forms of radioiodine in power reactor coolant and effluent gases and their behavior in the environment. Contributor to related studies to identify principal release pathways.
- Principal investigator for projects using He and SF<sub>6</sub> as tracer gases to evaluate ventilation system performance and the behavior of gaseous effluents at a nuclear power plant.
- Contributor to Three Mile Island recovery studies, starting in April 1979, including identifying and measuring radionuclides in the plant, calibrating effluent monitors, and evaluating effluent filtration systems. Contributor to evaluations of the radioiodine source term during the accident and principal investigator for a study to estimate radiation and particulate source terms during Three Mile Island Unit 2 defueling operations.
- Principal investigator for two studies of the safety and environmental impacts of the installation and use of cyclotrons to produce short-lived radionuclides for medical diagnosis and research.
- Principal investigator for a program to evaluate potential effluent releases and subsequent doses from alpha- and pure beta-emitting radionuclides from power reactors.
- Contributor to safety analysis and environmental impact documents for nuclear waste management and other fuel cycle facilities. Work included detailed radionuclide transport and radiation dose calculations for fission and activation products, the isotopes of the uranium, and radionuclides in their decay chains.
- Principal investigator for studies of alpha-emitting aerosols in workplaces of a power reactor. Co-principal investigator of a study to assess potential dollar savings attributable to reducing occupational radiation exposures. Contributor to developing formal program to keep doses as low as reasonably achievable (ALARA) and implementing a cost-benefit methodology for an ALARA program.
- Principal investigator for a project to develop dose and concentration guidelines for decontamination and decommissioning activities at the Idaho National Engineering Laboratory, which employed exposure scenarios and models of the relevant pathways to derive secondary concentration guides from basic guides for effective dose equivalent.

**Atomic Energy Commission (Energy Research and Development Administration)**  
*Health Physicist and Chief of Environmental Studies Section (1967–1975)*

As a health physicist and later Chief of the Environmental Studies Section, conducted research on human exposure pathways for radionuclides, particularly  $^{131}\text{I}$ , measuring deposition velocities and feed-to-milk transfer coefficients for that isotope. In addition, performed reviews of safety analyses, made dose calculations for radioiodine and other radionuclides in the environment, developed environmental monitoring techniques, and evaluated bioassay data. Used the information, together with appropriate models, to make internal dose estimates for exposed workers.

### Honors

Boettcher Foundation Scholarship, 1957–1961  
AEC Health Physics Fellowship, 1965–1967  
Named Fellow of the Health Physics Society in 1994

### Technical Publications

- Voillequé, P. G.** Calculation of organ and tissue burdens and doses resulting from an acute exposure to a radioactive aerosol using the ICRP Task Group report on the human respiratory tract. Idaho Falls, ID: U. S. Atomic Energy Commission Report IDO-12067; 1968.
- Zimbrick, J. D.; **Voillequé, P. G.** 1967 CERT progress report--controlled environmental radioiodine tests at the National Reactor Testing Station--progress report number four. Idaho Falls, ID: U. S. Atomic Energy Commission Report IDO-12067; 1969.
- Voillequé, P. G.** AERIN, a code for acute aerosol inhalation exposure calculations. Health Phys. 19: 427–432; 1970.
- Voillequé, P. G.**; Adams, D. R.; Echo, J. B. Transfer of krypton-85 from air to grass. Health Phys. 19: 835; 1970.
- Voillequé, P. G.**; Baldwin, B. R. comps. Proceedings of the fifth annual Health Physics Society midyear topical symposium on health physics aspects of nuclear facility siting, 3–6 November 1970, Idaho Falls, ID. Idaho Falls, ID: Eastern Idaho Chapter of the Health Physics Society; 1971.
- Voillequé, P. G.** Computer calculation of bone doses following acute exposure to strontium-90 aerosols. In: Proceedings of the 5th international congress, contamination by bone-seeking radionuclides and radioprotection, 1–5 February 1971, Grenoble, France. Grenoble: French Society of Radiation Protection; 1971.
- Adams, D. R.; **Voillequé, P. G.** Effects of stomatal opening on the transfer of

- $^{131}\text{I}_2$  from air to grass. *Health Phys.* 21: 771–775; 1971.
- Pelletier, C. A.; **Voillequé, P. G.** The behavior of cesium-137 and other fallout radionuclides on a Michigan dairy farm. *Health Phys.* 21: 777–792; 1971.
- Voillequé, P. G.** Dose action levels for accidental radiation exposure of the general public. In: Howell, W. P.; Corley, J. P., comps. *Proceedings of the sixth annual Health Physics Society topical symposium on radiation protection standards: quo vadis, 2–5 November 1971, Richland, WA.* Richland, WA: Columbia Chapter of the Health Physics Society; 1972: 183–204.
- Voillequé, P. G.** Calculation of expected urinary and fecal excretion patterns using the ICRP Task Group report on the human respiratory tract. In: Willis, C.A.; Handloser, J. S., eds. *Health physics operational monitoring.* New York: Gordon and Breach Science Publishers; 1972: 773–808.
- Start, G. E.; Dickson, C. R.; **Voillequé, P. G.** Comparison among tracer, tetroon, and wind field derived trajectories and some diffusion estimates. In: Church, H. W.; Luna, R. E. eds. *Proceedings of the symposium on air pollution, turbulence, and diffusion.* Report No. CONF-711210; 1972.
- Moss, B. R.; **Voillequé, P. G.**; Moody, E. L.; Adams, D. R.; Pelletier, C. A.; Hoss, D. Effects of feeding sudangrass on iodine metabolism of lactating dairy cows. *J. Dairy Sci.* 55: 1487–1491; 1972.
- Voillequé, P. G.**; Pelletier, C. A. Comparison of external irradiation and consumption of cows' milk as critical pathways for  $^{137}\text{Cs}$ ,  $^{54}\text{Mn}$ , and  $^{144}\text{Ce-Pr}$  released to the atmosphere. *Health Phys.* 27: 189–199; 1974.
- Voillequé, P. G.**; Hill, D. G.; Tillitt, D. N. Automated collection, analysis, and reporting of environmental radiation exposure data. In *Proceedings of the second AEC environmental protection conference, Vol. 2, p. 603, USAEC Report WASH-1332(74);* 1974.
- Weiss, B. H.; **Voillequé, P. G.**; Keller, J. H.; Kahn, B.; Krieger, H. L.; Mari, A.; Phillips, C. R. Detailed measurement of  $^{131}\text{I}$  in air, vegetation, and milk around three operating reactor sites. In: *Environmental surveillance around nuclear installations; Vol. I, Vienna: International Atomic Energy Agency;* 1974.
- Voillequé, P. G.**; Fix, J. J. Transfer of airborne krypton-85 to vegetation. In: Stanley, R. E.; Moghissi, A. A. eds. *Noble gases.* Las Vegas: U. S. Environmental Protection Agency; 1974.
- Pelletier, C. A.; Barefoot, E. D.; Cline, J. E.; Hemphill, R. T.; Emel, W. A.; **Voillequé, P. G.** Sources of radioiodine at boiling water reactors. EPRI Report NP-495; Palo Alto, CA: Electric Power Research Institute; 1978.

- Pelletier, C.; Cline, J.; **Voillequé, P.**; Hemphill, R. Evaluation of radioiodine measurements at Pilgrim Nuclear Power Plant. NRC Report NUREG/CR-0395 RR; Washington, DC: U. S. Nuclear Regulatory Commission; 1978.
- Pelletier, C. A.; Cline, J. E.; Barefoot, E. D.; Hemphill, R. T.; **Voillequé, P. G.**; Emel, W. A. Sources of radioiodine at pressurized water reactors. EPRI Report NP-939; Palo Alto, CA: Electric Power Research Institute; 1978.
- Cline, J. E.; Pelletier, C. A.; Frederickson, J. P.; **Voillequé, P. G.**; Barefoot, E. D. Airborne particulate releases from light-water reactors. EPRI Report NP-1013; Palo Alto, CA: Electric Power Research Institute; 1979.
- Pelletier, C. A.; **Voillequé, P. G.** Potential benefits of reducing occupational radiation exposure. AIF Report AIF/NESP-010R; Washington, DC: Atomic Industrial Forum; 1979.
- Voillequé, P. G.** Iodine species in reactor effluents and in the environment. EPRI Report NP-1269; Palo Alto, CA: Electric Power Research Institute; 1979.
- Cline, J. E.; **Voillequé, P. G.**; Pelletier, C. A.; Thomas, C. D., Jr. <sup>131</sup>I studies at TMI Unit 2. EPRI Report NP-1389; Palo Alto, CA: Electric Power Research Institute; 1980.
- Voillequé, P. G.**; Keller, J. H. Air-to-vegetation transport of <sup>131</sup>I as hypoiodous acid (HOI). Health Phys. 40: 91–94; 1981.
- Mandler, J. W.; Stalker, A. C.; Croney, E. T.; McIsaac, C. V.; Soli, G. A.; Hartwell, J. K.; Loret, L. S.; Motes, B. G.; Cox, T. E.; Akers, D. W.; Bihl, N. K.; Duce, S. W.; Tkachyk, J. W.; Pelletier, C. A.; **Voillequé, P. G.** In-plant source term measurements at four PWRs. NRC Report NUREG/CR-1992; Washington, DC: U. S. Nuclear Regulatory Commission; 1981.
- Cline, J. E.; Roy, P. A.; Hollcroft, J. W.; Hobough, J., Jr.; McVey, T. L.; Thomas, C. D., Jr.; Pelletier, C. A.; **Voillequé, P. G.** Measurements of <sup>129</sup>I and radioactive particulate concentrations in the TMI-2 containment atmosphere during and after the venting. DOE Report GEND-009; Washington, DC: U. S. Department of Energy; 1981.
- Voillequé, P. G.**; Kahn, B.; Krieger, H. L.; Montgomery, D. M.; Keller, J. H.; Weiss, B. H. Evaluation of the air-vegetation-milk pathway for <sup>131</sup>I at the Quad Cities Nuclear Power Station. NRC Report NUREG/CR-1600; Washington, DC: U. S. Nuclear Regulatory Commission; 1981.
- Thomas, C. D., Jr.; Cline, J. E.; **Voillequé, P. G.** Evaluation of an environs exposure rate monitoring system for post-accident assessment. AIF Report AIF/NESP-023; Washington, DC: Atomic Industrial Forum; 1981.
- Keller, J. H.; Hoffman, L. G.; **Voillequé, P. G.** Wet deposition processes for radioiodines. NRC Report NUREG/CR-2438; Washington, DC: U. S. Nuclear Regulatory Commission; 1982.

- Voillequé, P. G.;** Pavlick, R. A. Societal cost of radiation exposure. *Health Phys.* 43: 405–409; 1982.
- Pelletier, C. A.; **Voillequé, P. G.;** Thomas, C. D., Jr.; Daniel, J. A.; Schlomer, E. A.; Noyce, J. R. Preliminary radioiodine source term and inventory assessment for TMI-2. DOE Report GEND-028; Washington, DC: U. S. Department of Energy; 1983.
- Voillequé, P. G.;** Noyce, J. R.; Pelletier, C. A. Estimated source terms for radionuclides and suspended particulates during TMI-2 defueling operations. DOE Report GEND-INF-019 (Vol. II); Washington, DC: U. S. Department of Energy; 1983.
- Voillequé, P. G.** Computer code for quantitative ALARA evaluations. In: Kathren, R. L.; Higby, D. P.; McKinney, M. A. eds. *Computer applications in health physics*. Richland, WA: Columbia Chapter, Health Physics Society; 1984.
- Maeck, W. J.; Honkus, R. J.; Keller, J. H.; **Voillequé, P. G.** Laboratory measurements of parameters affecting wet deposition of methyl iodide. NRC Report NUREG/CR-4014; Washington, DC: U. S. Nuclear Regulatory Commission; 1984.
- Voillequé, P. G.;** Duggan, G. J.; Leonard, P. R.; Coe, L. J. Environmental radiation doses from difficult-to-measure radionuclides. EPRI Report NP-3840; Palo Alto, CA: Electric Power Research Institute; 1985.
- Pence, D. T.; **Voillequé, P. G.** Postaccident krypton-85 releases and control at nuclear power plants. EPRI Report NP-3948; Palo Alto, CA: Electric Power Research Institute; 1985.
- Unrein, P. J.; Pelletier, C. A.; Cline, J. E.; **Voillequé, P. G.** Transmission of radioiodine through sampling lines. In: *Proceedings of the 18th DOE nuclear airborne waste management and air cleaning conference*. DOE Report CONF-840806; Washington, DC: U. S. Department of Energy; 1985.
- Cox, T. E.; Jacoby, J. K.; **Voillequé, P. G.;** Pelletier, C. A.; Daniel, J. A. Distribution of selected fission products that escaped the core during the accident at TMI-2. In: *Proceedings of the American Nuclear Society meeting on fission product behavior and source term research*. EPRI Report NP-4113-SR Palo Alto, CA: Electric Power Research Institute; 1985.
- Voillequé, P. G.** Dose guidelines for decontamination and decommissioning projects. In: *Health physics considerations in decontamination, proceedings of the nineteenth midyear topical symposium of the Health Physics Society*. DOE Report CONF-860203 (DE86900357); Washington, DC: U. S. Department of Energy; 1985.
- Voillequé, P. G.** Fission product behavior. In: Toth, L. M.; Malinauskas, A.P.; Eidam, G. R.; Burton, H. M. eds. *The Three Mile Island accident, diagnosis and prognosis*, ACS Symposium Series 293, Washington, DC: American Chemical Society; 1986.

- Voillequé, P. G.;** Mis, F. J.; Warren, S. B.; Harrison, M. C. Solubility of transuranic nuclides in aerosols in two Ginna steam generator work environments. In Power reactor health physics, proceedings of the twenty-first midyear topical meeting of the Health Physics Society; HPS Power Reactor Section; 1987.
- Mis, F. J.; Warren, S. B.; Harrison, M. C.; **Voillequé, P. G.** Particle size distributions for airborne radionuclides in Ginna steam generator work environments. *Health Phys.* 56: 233–238; 1989.
- Voillequé, P. G.** Measurements of radioiodine species in samples of pressurized water reactor coolant. *Nucl. Tech.* 90: 23–33; 1990.
- Voillequé, P. G.;** Meyer, K. R.; Schmidt, D. W.; Killough, G. G.; Moore, R. E.; Ichimura, V. I.; Rope, S. K.; Shleien, B.; Till, J. E. The Fernald dosimetry reconstruction project, tasks 2 and 3, Radionuclide source terms and uncertainties, *RAC* report No. CDC–5. *Radiological Assessments Corporation*, Neeses, SC. 1995.
- Killough, G. G.; Case, M. J.; Meyer, K. R.; Moore, R. E.; Rogers, J. F.; Rope, S. K.; Shleien, B.; Till, J. E.; **Voillequé, P. G.** The Fernald dosimetry reconstruction project, task 4; Environmental pathways—models and validation; *RAC* report No. CDC–3; Neeses, SC: *Radiological Assessments Corporation*. 1993.
- Killough, G. G.; Case, M. J.; Meyer, K. R.; Moore, R. E.; Rope, S. K.; Schmidt, D. W.; Shleien, B.; Sinclair, W. K.; **Voillequé, P. G.;** Till, J. E. The Fernald dosimetry reconstruction project, task 6; Radiation doses and risk to residents from FMPC Operations from 1951–1988; *RAC* report No. 4–CDC–Fernald–1996–Draft; Neeses, SC: *Radiological Assessments Corporation*. 1996.
- Meyer, K. R.; **Voillequé, P. G.;** Schmidt, D. W.; Rope, S. K.; Killough, G. G.; Shleien, B.; Moore, R. E.; Case, M. J.; Till, J. E. Overview of the Fernald dosimetry reconstruction project and source term estimates for 1951–1988; *Health Phys.* 71: 425–437; 1996.
- Meyer, H. R., Rope, S. K., Winsor, T. F., **Voillequé, P. G.;** Meyer, K. M., Stetar, L. A., Till, J. E., and Weber, J. M. Task 2: The Rocky Flats Plant 903 area characterization. *RAC* Report No. 2–CDPHE–RFP–1996–FINAL. Neeses, SC: *Radiological Assessments Corporation*. 1996.
- Aanenson, J. W., Boelter, P. J., Case, M. J., Dreicer, M., Grogan, H. A., Langan, M. O., McGavran, P. D., Meyer, K. R., Meyer, R., Mohler, H. J., Rood, A. S., Rope, R. C., Rope, S. K., Stetar, L. A., **Voillequé, P. G.;** Weber, J. M., Winsor, T. F., Wei, Y., Till, J. E. Draft final report, Savannah River Site environmental dose reconstruction project, Phase II: source term calculation and ingestion pathway data retrieval, evaluation of materials released from the Savannah River Site. *RAC* Report No. 1–CDC–SRS–1999–Final. Neeses, SC: *Radiological Assessments Corporation*. 1999.

- Voillequé, P. G.** Review of routine releases of plutonium in airborne effluents at Rocky Flats. RAC Report No. 6-CDPHE-RFP-1998-FINAL. Neeses, SC: *Radiological Assessments Corporation*. 1999.
- Voillequé, P. G.** Estimated airborne routine releases of plutonium during the 1969 fire in Buildings 776-777. RAC Report No. 9-CDPHE-RFP-1999-FINAL. Neeses, SC: *Radiological Assessments Corporation*. 1999.
- Voillequé, P. G.** Estimated airborne routine releases of plutonium during the 1957 fire in Building 771. RAC Report No. 10-CDPHE-RFP-1999-FINAL. Neeses, SC: *Radiological Assessments Corporation*. 1999.
- Voillequé, P. G.** Results of screening calculations to assess the relative importance of Rocky Flats uranium releases. RAC Report No. 11-CDPHE-RFP-1999-FINAL. Neeses, SC: *Radiological Assessments Corporation*. 1999.
- Grogan, H. A., Sinclair, W. K., and **Voillequé, P. G.**, Assessing risks of exposure to plutonium. RAC Report No. 5-CDPHE-RFP-1999-FINAL(Rev.1). Neeses, SC: *Radiological Assessments Corporation*. 1999.
- Grogan, H. A., McGavran, P. A., Meyer, K. R., Mohler, J., Rood, A. S., Sinclair, W. K., **Voillequé, P. G.**, and Weber, J. M. Technical summary report of the historical public exposures studies for Rocky Flats, Phase II. RAC Report No. 14-CDPHE-RFP-1999-FINAL. Neeses, SC: *Radiological Assessments Corporation*. 1999.
- Killough, G. G., Rope, S. K., Shleien, B., and **Voillequé, P. G.** Nonlinear estimation of weathering rate parameters for uranium in surface soil near a nuclear facility. *J. Environ. Radioactivity* 45(2): 95–118; 1999.
- Alexander, J. Brooks, B., Erwin, P., Hamilton, J., Holloway, J., Lipford, P., Morin, N., Peelle, R., Smith, J., **Voillequé, P.**, and Zawia, N. Releases of contaminants from Oak Ridge facilities and risks to public health, final report of the Oak Ridge Health Agreement Steering Panel. 1999.
- Grogan, H. A., Sinclair, W. K., and **Voillequé, P. G.** Risks of fatal cancer from inhalation of plutonium-239,240 by humans: a combined four-method approach with uncertainty evaluation. *Health Phys.*, 80(5): 447–471; 2001.
- Voillequé, P. G.**, Killough, G. G., Rope, S. K. Methods for estimating radiation doses from short-lived gaseous radionuclides and radioactive particles released to the atmosphere during early Hanford operations. RAC Report No. 2-CDC-Task Order 3-2000-Final. Neeses, SC: *Radiological Assessments Corporation*. November 2002.
- Till, J. E., Rood, A. S., **Voillequé, P. G.**, McGavran, P. D., Meyer, K. R., Grogan, H. A., Sinclair, W. K., Aanenson, J. W., Meyer, H. R., Mohler, H. J., Rope, S. K., and Case, M. J. Risks to the Public from Historical Releases of Radionuclides and Chemicals at the Rocky Flats

- Environmental Technology Site. *Journal of Exposure Analysis and Environmental Epidemiology*, 12(5): 355–372; 2002.
- Balonov, M., Kaidanovsky, G., Zvonova, I., Kovtun, A., Bouville, A., Luchyanov, N., and **Voillequé, P.** Contributions of short-lived radioiodines to thyroid doses received by evacuees from the Chernobyl area estimated using early in vivo activity measurements. *Radiat. Prot. Dos.* 105(1–4): 593–599; 2003.
- Stepanenko, V. F., **Voillequé, P. G.**, Gavrilin, Yu. I., Khrouch, V. T., Shinkarev, S. M. Orlov, M. Yu. Kondrashov, A. E., Petin, D. V. Iaskova, E. K., and Tsyb, A. F. Estimating individual thyroid doses for a case-control study of childhood thyroid cancer in Bryansk Oblast, Russia. *Radiat. Prot. Dos.* 108(2): 143–160; 2004.
- Gavrilin, Yu., Khrouch, V., Shinkarev, S., Drozdovitch, V., Minenko, V., Shemiakina, E., Ulanovsky, A., bouville, A., Anspaugh, L., **Voillequé, P.**, and Luckyanov, N. Individual thyroid dose estimation for a case-control study of Chernobyl-related thyroid cancer among children of Belarus—part 1:  $^{131}\text{I}$ , short-lived radioiodines ( $^{132}\text{I}$ ,  $^{133}\text{I}$ ,  $^{135}\text{I}$ ), and radiotelluriums ( $^{131\text{m}}\text{Te}$  and  $^{132}\text{Te}$ ). *Health Phys.* 86(6): 565–585; 2004.
- Stezhko, V. A. et al. (18 others including **Voillequé, P. G.**) A cohort study of Thyroid cancer and other thyroid diseases after the Chernobyl accident: objectives, design, and methods. *Rad. Res.* 161: 481–492; 2004.
- Davis, S., Stepanenko, V., Rivkind, N., Kopecky, K., **Voillequé, P.**, Shakhtarin, V., Parshkov, E., Kulikov, S., Lushnikov, E., Abrosimov, A., Troshin, V., Romanova, G., Doroschenko, V., Proshin, A., and Tsyb, A. Risk of thyroid cancer in the Bryansk Oblast of the Russian Federation after the Chernobyl power station accident. *Rad. Res.* 162: 241–248; 2004.
- Likhtarov, I., Kovgan, L., Vavilov, S., Chepurny, M., Bouville, A., Luckyanov, N., Jacob, P., **Voillequé, P.**, Voigt, G. Post-Chornobyl thyroid cancers in Ukraine. Report 1: estimation of thyroid doses. *Rad. Res.* 163: 125–136; 2005.
- Davis, S., Day, R. W., Kopecky, K. J., Mahoney, M. C., McCarthy, P. L., Michalek, A. M., Moysich, K. B., Onstad, L. E., Stepanenko, V. F., **Voillequé, P. G.**, et al. Childhood leukaemia in Belarus, Russia, and Ukraine following the Chernobyl power station accident: results from an international collaborative population-based case-control study. *Int. J. Epidemiol.* 35: 386–396; 2006.
- Minenko, V. F., Ulanovsky, A. V., Drozdovitch, V. V., Shemiankina, E. V., Gavrilin, Yu. I., Khrouch, V. T., Shinkarev, S. M., **Voillequé, P. G.**, Bouville, A., Anspaugh, L. R., Luckyanov, N. Individual thyroid dose estimation for a case-control study of Chernobyl-related thyroid cancer among children of Belarus—part II. Contributions from long-lived radionuclides and external radiation. *Health Phys.* 90: 312–327; 2006.

- Likhtarev, I., Bouville, A., Kovgan, L., Luckyanov, N., **Voillequé, P.**, Chepurny, M.  
Questionnaire- and measurement-based individual thyroid doses in Ukraine resulting from the Chernobyl nuclear reactor accident. *Rad. Res.* 166: 271–286; 2006.
- Kopecky, K. J., Stepnenko, V., Rivkind, N., **Voillequé, P.**, Onstad, L., Shakhtarin, V., Parshkov, E., Kulikov, S., Lushnikov, E., Abrosimov, A., Troshin, V. Romanova, G., Doroschenko, V., Proshin, A., Tsyb, A., and Davis, S. Childhood thyroid cancer, radiation dose from Chernobyl, and dose uncertainties in Bryansk Oblast, Russia: a population-based case-control study. *Rad. Res.* 166: 367–374; 2006.
- Shinkarev, S. M., Voillequé, P. G., Gavrilin, Yu. I., Khrouch, V. T., Bouville, A., Hoshi, M., Meckbach, R., Minenko, V. F., Ulanovsky, A. V., Luckyanov, N. Credibility of Chernobyl thyroid doses exceeding 10 Gy based on in-vivo measurements of <sup>131</sup>I in Belarus. (Accepted for publication in *Health Physics*; 2007).
- Chumak, V. V., Voillequé, P. G., Bakhanova, E. V., Golovanov, I. A., Luckyanov, N. K., Sholom, S. V., Kryuchkov, V. P., Bouville, A. The Ukrainian-American study of leukemia and related disorders among cleanup workers From Ukraine: II. estimation of bone-marrow doses (Submitted; 2007).