



PHIL RUTHERFORD
CURRICULUM VITAE (CV)

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CURRENT POSITION AND CONTACT INFORMATION

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Radiation safety
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Nuclear decommissioning

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Phil Rutherford
President
Phil Rutherford LLC

Providing consulting services and online resources in radiation safety, environmental radiological risk assessment and nuclear decommissioning.

CLIENTS

- [Allergan](#) (2017)
- [The Boeing Company](#)
 - [Santa Susana](#) (2016-2018)
 - Seattle - Puget Sound (2017)
 - Huntington Beach (2017-2018)
- [California Department of Public Health - Radiologic Health Branch](#) (2016-2018)
- [Centers for Disease Control and Prevention \(CDC\) - National Institute for Occupational Safety and Health \(NIOSH\)](#) (2017-2018)
- [CH2M Hill Inc.](#) (2016-2017)
- [Dominion Engineering Inc.](#) (2015)
- [Investigative Post](#) (2015)
- [Jacobs Engineering](#) (2018)
- [MJW Companies](#) (2017-2018)
- [MWH Americas Inc.](#) (2016)
- [Oak Ridge Associated Universities](#) (2017-2018)
- [Stantec Consulting Services Inc.](#) (2017-2018)
- [ToxStrategies](#) (2016)



EXPERIENCE SUMMARY

Forty five years of experience in the nuclear industry, with leadership and management responsibility for many aspects of nuclear plant reliability, safety analysis and probabilistic risk assessment (PRA) for LWRs, LMFBs and nuclear space power systems, health physics, radiation safety, radiological risk assessment, nuclear decommissioning, radiation worker epidemiology studies, community cancer studies, legislative affairs, litigation, waste management & disposal, interpretation of radiological data for soil, groundwater, surface water and air, community relations, media relations, records management, health & safety, DOE compensation programs, historical site assessments, and space nuclear safety.

Recently responsible for Boeing's radiation, health & safety programs at Boeing's Santa Susana Field Laboratory (SSFL), including the Department of Energy's (DOE) radiological cleanup of the Energy Technology Engineering Center (ETEC).

Past member of numerous U.S. DOE committees and working groups relating to nuclear safety and reliability, including the "Joint DOE/Industry Man-Machine Interface Working Group" (1981-82), the "Joint DOE/Industry Reliability Working Group" (1984-1986) and the "Safety Advisory Panel for the New Production Reactor" (1990-1992).

Current member of the Health Physics Society (2000 - present) and Past Chairperson of the California Radioactive Materials Forum (Cal Rad Forum). Past member of the Institute of Physics (UK) (1972-1978), the Institute of Nuclear Engineers (UK) (1973-1978) and the American Nuclear Society (1974-1978).

Invited lecturer on "Occupational and Environmental Radiation Protection" at the School of Public Health, University of California, Los Angeles (1994, 1995, 1998).

Webmaster for three web sites,

- www.philrutherford.com
- www.calradforum.org
- [\\sw\data\ehs_ssfl\web\radiation_safety](http://sw\data\ehs_ssfl\web\radiation_safety) (SSFL Radiation Safety web site accessible to only Boeing employees on the Boeing Santa Susana internal network)

Past contributor to one other web site,

- www.etc.energy.gov (DOE's Energy Technology Engineering Center web site)



ENGINEERING AND MANAGEMENT POSITIONS

2006 - 2015 Senior Manager, Health, Safety & Radiation Services, Santa Susana Field Laboratory, The Boeing Company

Led a department of up to 10 professional and technical personnel. Oversaw the health & safety program for the remediation work at the Santa Susana Field Laboratory. Managed the radiological safety program for nuclear facilities undergoing decontamination and decommissioning for the DOE, and ensured compliance with federal, state and local regulations related to both radiological safety and environmental monitoring. Key tasks for the department were the performance of final status radiological surveys of facilities and land to demonstrate acceptability for release for unrestricted use, and subsequent waste management, characterization and disposal of soil and building debris.

2004 Rocketdyne Propulsion & Power, The Boeing Company

Nuclear Safety Integrated Project Team Lead for the Jupiter Icy Moons Orbiter (JIMO) Phase A, Task 2 study contract and the JIMO Phase B proposal to NASA's Jet Propulsion Laboratory (JPL).

1998 - 2006 Senior Manager, Radiation Safety, Santa Susana Field Laboratory, The Boeing Company

Managed a department of 10 professional and technical personnel. The department enforced a radiological safety program for numerous nuclear facilities undergoing decontamination and decommissioning for the DOE, and ensured compliance with federal, state and local regulations related to both radiological safety and environmental monitoring.

1996 - 1997 Senior Manager, Environmental Remediation, Rocketdyne Propulsion & Power, Boeing Space Systems

As part of a re-organizational change the existing radiation protection group (see below) was merged with another group whose function included many forms of chemical remediation. As a result, responsibilities also included groundwater monitoring and remediation and soils remediation for all Rocketdyne facilities. Managed an annual budget of \$7m and a staff of 22 environmental and radiation safety engineers.

1990 - 1995 Manager, Radiation Protection & Health Physics Services, Rocketdyne Division, Rockwell International

Headed a department of up to 22 professional and technical personnel. The department enforced a radiological safety program for several nuclear facilities undergoing decontamination and decommissioning for the DOE, and ensured compliance with federal, state and local regulations related to both radiological safety and environmental monitoring. A key task of the department was the performance of final radiological surveys of facilities and land to demonstrate acceptability for release for unrestricted use.

1989 - 1990 Manager, Nuclear Safety & Reliability Engineering, Rocketdyne Division, Rockwell International

Led a team of technical specialists in the safety and reliability arena that performed such design-specific engineering activities as failure modes and effects analyses, nuclear system/component reliability assessments, radiological consequence assessments for nuclear accidents, risk assessments, and safety assessments of ground based and space nuclear systems.

1978 - 1989 Member of Technical Staff, Rocketdyne Division, Rockwell International

Responsible for the planning, managing and performance of all reliability and risk assessment programs of Rocketdyne's terrestrial and space nuclear projects. These included the Large-Scale Prototype Breeder (LSPB), the Sodium Advanced Fast Reactor (SAFR), the Multi-Megawatt Terrestrial Power Plant (MTP) and the Dynamic Isotope Power Subsystem (DIPS). Areas of expertise included reliability and PRA code development and analysis, common cause failure analysis, man-machine interface, lessons learned from LWR operating experience, core and containment response analysis, sodium fires and aerosols, radiological transport and dose analysis, reactor physics and heat transfer.

**1973 - 1978 South African Atomic Energy Board (AEB)**

Senior scientist in the regulatory branch of the AEB, responsible for core physics and accident analysis for the Koeberg Nuclear Power Station. Specific projects included development of computer codes for fuel clad swelling and rupture, and fission product release following loss-of-coolant accidents. Performed the first probabilistic risk assessment for the Koeberg PWR.

1974 - 1975 General Electric's Nuclear Energy Division

Visiting engineer for one year, performing core physics and transient analyses for the Shoreham and Brunswick BWRs. These included reactivity insertion accidents, critical control rod patterns, shutdown margins, plant transients and reactor vessel overpressure protection.

EDUCATION AND TRAINING

Year(s)	Degree	Subject	Institution
1971	M.A.	Physics	University of Oxford (UK)
1972	M.S.	Nuclear Engineering	University of Birmingham (UK)
1974 - 1975		Numerous nuclear engineering classes	General Electric's Nuclear Energy Division
1978 - 1996		Numerous company training classes	Rockwell International Corporation
1981	Diploma	Human Reliability	University of Wisconsin
1983	Diploma	Risk Management	University of California, Los Angeles
1987	Diploma	Project Management	West Coast University
1990	Diploma	DOE Orders Training	U.S. Department of Energy
1992	Diploma	Analysis of Environmental Radioactivity	Georgia Institute of Technology
1993	Diploma	Environmental Regulations	Executive Enterprises Inc.
1994 - 2010		Numerous continuing education classes	Health Physics Society (HPS)
1996 - 2015		Numerous company training classes	The Boeing Company
1998	Diploma	MARSSIM Radiological Survey Protocols	Oak Ridge Institute of Science & Education
2001	Diploma	RESRAD, RESRAD-Build and RESRAD Probabilistic	Argonne National Laboratory
2015	Certificate	Requirements for Shipping Radioactive Material (DOT, NRC, IATA)	Dade Moeller Training Academy



AWARDS AND RECOGNITION

- Certificate of Appreciation from the Boeing Law Department, "For outstanding service to the company and support to our legal efforts." October 22, 2015.
- Boeing Recognition Program, "This award is presented to show the Law Department's appreciation for the special effort and support you gave to litigation matters. Your knowledge and hard work contributed to the resolution of these matters. Thank you for your dedication and diligence in supporting the Law Department." May 23, 2014.
- Service Award, "In appreciation of 35 years of valued service with The Boeing Company. Thank you for being an integral part of building our future as global enterprise." September 20, 2013.
- Certificate of Recognition, "In appreciation of your effort in securing the Department of Energy contract extension." December 2011.
- Boeing Recognition Program, "In recognition of your outstanding performance and invaluable contributions as a member of the SB 990 Litigation Team. Your skills and efforts have contributed immeasurably to our success in overturning Senate Bill 990." October 26, 2011
- Boeing Recognition Program, "In recognition of your exceptional leadership efforts while supporting the Crisis Management Working Group during the aftermath of the Japan earthquake, tsunami and Fukushima nuclear crisis." June 14, 2011.
- Boeing Recognition Program, "In recognition of your outstanding performance and invaluable contributions to the Environmental Remediation Program. Your skills and efforts have contributed immeasurably to our success. Thank you for your dedication." October 9, 2009.
- Boeing Recognition Program, "In recognition of your contributions to the successful capture of DOE's ETEC Site Closure Contract." July 9, 2009.
- Safety Recognition Award, "For your outstanding contribution to the promotion of safety throughout SSFL. Your efforts have resulted in a safer workplace." December 12, 2006.
- Achievement Award, "For your significant contributions to the Rocketdyne Nuclear Training Course." June 13, 2005
- Certificate of Appreciation, "In recognition of your sustained, outstanding contributions toward the Boeing Team's capture phase and proposal for the Jupiter Icy Moons Orbiter Project." October 2004.
- Service Award, "In appreciation of 25 years of valued service to The Boeing Company." September 20, 2003.
- Excellence Award, "In Recognition of Continued Excellence in the Ongoing Support of Communicating Radiological Issues to Elected Officials, the Media and the Community." December 2002.



- ALARA Award, "In appreciation for your presentation supporting the 4th Hanford ALARA Workshop." Richland, Washington, October 21-23, 2002,
- Certificate of Appreciation, "To everyday heroes in education." Los Angeles Unified School District Volunteer Program. May 2, 2002.
- Career Day Award, "For outstanding community spirit as a participant in Welby Way Elementary School's Annual Career Day Celebration." April 27, 2001.
- Career Day Award, "For outstanding community spirit as a participant in Welby Way Elementary School's Annual Career Day Celebration." June 1, 2000.
- Certificate of Recognition, "In Recognition of Your Involvement in Support of Boeing Canoga Park Community Outreach Programs." 2000.
- Bias for Action Award, "For Outstanding Customer Focus in Exceeding Expectations for the Release of the Chemical Portion of the Worker Health Study", November, 1999.
- Customer Satisfaction Award, "Worker Health Study Team." November 1999.
- Nominated for the Rocketdyne "Jack Weil Leadership Award", September 1998.
- Rocketdyne Safety, Health & Environmental Affairs Award, "Communicating the Results of the Rocketdyne Worker Health Study to Employees and the Community", May, 1998.
- Team Recognition Award, "For your outstanding contribution to develop and implement a comprehensive strategy for communicating the Worker Health Study results, which accomplished reputation management, financial risk limitation, customer satisfaction and employee communication." December 1997.
- Certificate of Appreciation, "Recognizing your outstanding contribution to Rocketdyne's 40th Anniversary Open House Celebration." 1996.
- Rocketdyne Special Achievement Award, "Keeping the Santa Susana Field Laboratory Area IV Environmentally Sound and Compliant with All Regulations", January 1994.
- Rocketdyne Achievement Award, "Outstanding Contribution to the Space Power and DIPS Proposals", January 1988.
- Best Paper Award, 1982 Winter Meeting of the American Nuclear Society, "Lessons Learned from Major Core Damage Accidents." October 1982



SELECTED PUBLICATIONS

Authored or co-authored numerous papers, presented at local, national and international conferences and seminars, some of which are presented below.

- P. D. Rutherford, "[Radiation Risks in Everyday Life.](#)" Presented at the 2010 Health Physics Society Midyear Meeting on Radiation Risk Communication to the Public. Albuquerque, New Mexico, January 27, 2010
 - [Abstract](#)
- P. D. Rutherford, "[Radiological Operations and Cleanup at SSFL Area IV - ETEC Closure Project.](#)" Presented to the Southern California Chapter of the American Industrial Hygiene Association, California State University, Northridge. March 12, 2009.
- P. D. Rutherford, "[Radiation Risk & Cleanup Standards.](#)" Presented at the 2007 Health Physics Society Midyear Topical Meeting on Decontamination, Decommissioning and Environmental Cleanup. Knoxville, Tennessee. January 23, 2007.
 - [Presentation.](#) [DOE Source.](#)
 - [Paper.](#) [DOE Source.](#)
- P. D. Rutherford, M. E. Lee, R. Marshall, E. R. McGinnis, B. Sujata and D. M. Trippeda, "[Radiological Remediation at the Department of Energy's Energy Technology Engineering Center.](#)" Presented at the 50th Annual Health Physics Society Meeting. Spokane, Washington. July 14, 2005
- P. D. Rutherford, "[Radiological Remediation in Area IV of the Santa Susana Field Laboratory.](#)" Presented to the Board of Directors of California Radioactive Materials Management Forum. La Jolla, California. October 28, 2004.
- P. D. Rutherford, "Radiation and Radioactivity." Presented to the Radiation Monitoring Workshop of the City of Los Angeles Environmental Affairs Department." August 28, 2003.
- P. D. Rutherford, E. R. McGinnis and N. Liu, "[Implementation of the ALARA Process in the DOE Cleanup and Closure of the Energy Technology Engineering Center.](#)" Presented to the 4th Annual ALARA Workshop, Richland, Washington, October 21-23, 2002
- P. D. Rutherford, "[Environmental Assessment of the Cleanup and Closure of the Energy Technology Engineering Center.](#)" Invited lecture given to the Southern California Chapter of the Health Physics Society, Los Angeles, March 20, 2002.
- S. N. Shah, R. B. Hardy, M. E. Lee, A. Klein, M. J. Sullivan, J. G. Barnes, and P. D. Rutherford, "[A Regulatory Perspective of the Restoration for the Former Sodium Disposal Facility at the Energy Technology Engineering Center.](#)" Presented at the Waste Management Conference (WM2000). Tucson, March 1, 2000.
- P. D. Rutherford, J. G. Barnes and A. Klein, "[Remediation of a Radioactively Contaminated Sodium Disposal Facility.](#)" IAEA-SM-359/P-20. International Atomic Energy Agency Symposium on Restoration of Environments with Radioactive Residues. Washington D.C. November 29 - December 3, 1999.



- P. D. Rutherford, "[Rocketdyne Worker Health Study](#)", Invited Paper presented to the Low-Level Radioactive Waste Forum, San Diego, February 11, 1998.
- P. D. Rutherford, "[Rocketdyne Worker Health Study](#)", Invited Paper presented to the Southern California Chapter of the Health Physics Society, Los Angeles, October 10, 1997.
- P. D. Rutherford, "Field Soil Segregation of Mixed Hazardous Waste at ETEC's Sodium Disposal Facility", presented at the Third National Meeting on the Department of Energy EM-30 Hazardous Waste Moratorium, Salt Lake City, April 8, 1993.
- P. D. Rutherford, "Overview of ETEC's Response to the DOE Hazardous Waste Moratorium", presented at the Third National Meeting on the Department of Energy EM-30 Hazardous Waste Moratorium, Salt Lake City, April 8, 1993.
- S. M. Azizi and P. D. Rutherford, "[Automation of the Markov Theorem for the Solution of Multistate System Probabilities](#)", presented at the 17th Inter-RAM Conference for the Electric Power Industry, San Francisco, May 1990.
- P. D. Rutherford, D. S. Burgess and S. Robb, "[Reliability Assurance of Turbine Energy Conversion Systems](#)", American Nuclear Society 1989 Winter Meeting, San Francisco, November 1989.
- S. M. Azizi, G. E. Berg, J. H. Burton, R. E. Durand, E. M. Larson, D. J. Pepe, and P. D. Rutherford, "Fort St. Vrain Fuel Handling System RAM Analysis", American Nuclear Society 1989 Winter Meeting, San Francisco, November 1989.
- P. D. Rutherford, "[An Assessment of the Low Seismic Risk of the Inherently Safe Sodium Advanced Fast Reactor](#)", 1988 Topical Meeting on the Safety of the Next Generation Power Reactors, Seattle, Washington, May 1988.
- R. D. Rogers, R. T. Lancet, J. E. Mills and P. D. Rutherford, "Inherent Safety Features and Licensing Plan of the SAFR Plant", International ANS Conference on Fast Breeder Systems, Richland, Washington, September 1987.
- P. D. Rutherford, J. C. Mills, R. T. Lancet and P. Nourjah, "[A Risk Assessment of the Sodium Advanced Fast Reactor \(SAFR\) Plant](#)", International ANS/ENS/SNS Topical Conference on Probabilistic Safety Assessment and Risk Management, Zurich, Switzerland, September 1987.
- W. E. Kastenberg and P. D. Rutherford, "[Economic Risk Models for Advanced Liquid Metal Reactors](#)", International ANS/ENS/SNS Topical Conference on Probabilistic Safety Assessment and Risk Management, Zurich, Switzerland, September 1987.
- J. E. Mills, R. T. Lancet and P. D. Rutherford, "Inherent Safety Means Near Zero Risk for the SAFR Plant", ASME Annual Meeting, Anaheim, California, December 1986.
- P. D. Rutherford, H. W. Ho, J. A. Hartung and W. E. Kastenberg, "[A Rationale for Reduced Tornado Design Bases](#)", 1985 International ANS/ENS Topical Meeting on Fast Reactor Safety, Knoxville, Tennessee, April 1985.



- J. Hartung, H. Ho, R. Lancet, P. D. Rutherford and E. Vaughan, "The Statistical Correlation Model for Common-Cause Failures", 1983 Annual Conference of the Society for Risk Analysis, New York, August 1-3 1983.
- J. A. Hartung and P. D. Rutherford, "[Lessons Learned from Major Core Damage Accidents](#)", 1982 ANS Winter Meeting, Washington DC, Transactions of the American Nuclear Society 43, 676, December 1982. Award Winner.
- P. D. Rutherford, "Operating Experience Evaluation", Joint LWR/LMFBR Workshop on Man-Machine Interface, Santa Clara, California, November 1982.



TESTIMONY GIVEN BEFORE LEGISLATIVE BODIES

Testimony given before local and state legislature includes,

- "Opposition to Senate Bill SB 990, Hazardous Waste – Santa Susana Field Laboratory (Kuehl)." Testimony given before the Environmental Quality Committee of the California State Senate. April, 2007
- "Opposition to Senate Bills SB 1444, SB 1970 and SB 2065." Testimony given before the Environmental Safety & Toxic Materials Committee of the California State Assembly. June 25, 2002
- "Opposition to Senate Bill SB 1444, Radiation Contamination Prevention Act (Kuehl)." Testimony given before the Environmental Quality Committee of the California State Senate. April 22, 2002
- "Disposal of Construction Debris at the Bradley Landfill." Testimony given before the Environmental Quality and Waste Management Committee of the Los Angeles City Council. April 16, 2002



PUBLIC AND COMMUNITY OUTREACH

The following is a selection of public outreach lectures and talks given to schools, professional societies, chambers of commerce, homeowners associations and local industry/commerce organizations.

- "Sodium Reactor Experiment Accident." Prepared for the Joint Woodland Hills and Canoga Park Neighborhood Councils Public Meeting on Santa Susana (Presentation Cancelled). October 20, 2014.
- "[Engineering - Nuclear Physics & Engineering - Radiation & Radioactivity - My Job at Boeing.](#)" Presented to the Carson High School Grade 9 Math Class. Carson, California. June 17, 2009.
- "Santa Susana Field Laboratory – Radiological Topics." Presented at a Bell Canyon Homeowners Association Town Hall Meeting. November 12, 2006.
- "Santa Susana Field Laboratory – Radiological Topics." Presented to Members of the Simi Valley City Council. October 10, 2006.
- "Radiation Cleanup at the Energy Technology Engineering Center." Talk given to the Simi Valley Chamber of Commerce Business Development Roundtable. Simi Valley, California. July 20, 2005.
- "Radiation Cleanup Regulations and Pending California Senate Legislation." Talk given to the Canoga Park/West Hills Chamber of Commerce. West Hills, California. July 18, 2002.
- "Radiation Cleanup Regulations and Pending California Senate Legislation." Talk given to the United Chambers of Commerce of the San Fernando Valley. Granada Hills, California. July 10, 2002.
- "Opposition to Senate Bill SB 1444 (Kuehl)." Talk given to the Government Affairs Committee of the Woodland Hills Chamber of Commerce. Woodland Hills, California. June 27, 2002.
- "Disposal of Construction Debris at the Bradley Landfill." Talk given to the Legislative Action Committee of the Chatsworth Chamber of Commerce, Chatsworth, California. May 2, 2002.
- "Environmental Cleanup at SSFL." Luncheon talk given to the Santa Susana Kiwani's Club, Simi Valley California. November 20, 2001
- "[Radiation and Radioactivity.](#)" Lecture given the 3rd grade magnet classes at the Welby Way Elementary School Career Day. West Hills, California. April 27, 2001.
- "Environmental Programs at Rocketdyne's Santa Susana Field Laboratory." Lecture given to the Environmental, Infrastructure and Water Committee of the Valley Industry and Commerce Association. Los Angeles, California. October 5, 2000.



- "Radiological Cleanup at Santa Susana - How Clean is Clean? - How Safe is Safe?" Lecture given to the San Fernando Valley Chapter of the National Contract Management Association. Chatsworth, California. September 21, 2000.
- "[Radiation and Radioactivity](#)." Lecture given to the 8th grade honors math class of Sun Valley Middle School. Sun Valley, California. June 22, 2000.
- "[Engineering, My Job, and Rocketdyne](#)." Lecture given to the 2nd grade magnate classes at the Welby Way Elementary School Career Day. [Speaking Notes](#). West Hills, California. June 1, 2000.
- "[What is an Engineer?](#)" Lecture given to the 7th grade honors math class of Sun Valley Middle School, Sun Valley, California. [Speaking Notes](#). June, 1999.
- Numerous community outreach activities including Santa Susana bus tours, SSFL Workgroup public meetings, DOE public meetings, home-owner association meetings, and student science fairs.



INVITED UNIVERSITY LECTURES

The following were invited lectures given to university graduate schools.

- "Occupational Radiation Protection", Center for Occupational and Environmental Health, UCLA School of Public Health, January 28, 1994
- "Environmental Radiation Protection", Center for Occupational and Environmental Health, UCLA School of Public Health, February 4, 1994
- "Occupational Radiation Protection", Center for Occupational and Environmental Health, UCLA School of Public Health, April 4, 1995
- "Environmental Radiation Protection", Center for Occupational and Environmental Health, UCLA School of Public Health, April 11, 1995
- "Occupational and Environmental Radiation Safety", Center for Occupational and Environmental Health, UCLA School of Public Health, October 26, 1998



BRIEFINGS AND PRESENTATIONS (1999 to Present)

Briefings and presentations given to company management, customers, contractors, regulatory agencies, media, public, legislators and legislative staffers are too numerous to mention. A selection of the most recent presentations since 1999 is given here.

2015

- “EPA Radiological Survey Results and Conclusions.” Poster session presented to John Tracy, Boeing President of Engineering & Operations Technology (EO&T). October 12, 2015.
- “Energy Employees Occupational Illness Compensation Program Act (EEOICPA) – Transition from SSFL to Puget Sound.” Revision A. September 14, 2015.
- “Energy Employees Occupational Illness Compensation Program Act (EEOICPA) – Transition from SSFL to Puget Sound.” July 1, 2015.

2014

- “DOE ETEC Closure Project, Area IV, SSFL.” Presented to the Advisory Board for Radiation and Worker Health.” November 5, 2014.
- “Decontamination & Decommissioning (D&D) Contract.” Prepared for presentation to EHS Executive Management. June 26, 2014.
- Radioactive Material Handling Facility (RMHF) Leach Field Coring Project.” Prepared for presentation to University of Guelph, Haley & Aldrich, CDM Smith, Cabrera Services and B.L. Hall. June 4, 2014.
- “Radiological Cleanup at SSFL Area IV - DOE ETEC Closure Project.” Generic Presentation. May 2014.
- “Enterprise Plan for Disposal of Smoke Detectors.” Presented to the Radiation Safety Process Management Team (PMT). March 11, 2014.
- “DOE ETEC Closure Project - RTP Procurement - Area IV Site History.” Presented to the DOE Contract Selection Team.” February 11, 2014.

2013

- “Radiological Cleanup at SSFL Area IV - DOE ETEC Closure Project.” Presented to the Boeing Radiation Safety Technical Community (RSTC). December 17, 2013.
- “Area I Burn Pit Radiological Briefing.” Presented to CH2M Hill and Cabrera field staff. December 5, 2013.
- “Generic Santa Susana Tour Book.” May 30, 2013.
- “Site Tour of the Santa Susana Field Laboratory - Tour Book.” Presented to Radiation Safety Process Management Team (PMT). April 16, 2013.



- “EPA Radiological Survey Results and Conclusions.” Presented to John Tracy, Boeing President of Engineering & Operations Technology (EO&T). Meeting cancelled. January 17, 2013.

2012

- “Santa Susana Tour Book.” Presented to Dave Huizenga (EM-1), DOE Assistant Secretary for Environmental Management, November 29, 2012.
- “Congressional Site Tour and Project Close-out. EPA’s Radiological Characterization Study of SSFL.” Presented to EPA Executive Staff and California & Federal Legislative Staffers. September 12, 2012.
- “Site Tour. Santa Susana Field Laboratory.” 13th EPA Superfund National Radiation Conference. June 18, 2012.
- “SSFL Nuclear History and Status.” Presented to Kim Smith, V.P. Environment, Health & Safety. February 2, 2012.
- “Generic SSFL Presentation Charts.” January 24, 2012.
- “Worker and Community Health Studies.” January 12, 2012.

2011

- “Radiological Update for Boeing Employees in Japan.” Presented to All Boeing Management and Employees in Japan. November 22, 2011.
- “Radiological Briefing for Boeing Visitors to Japan (Areas Outside the 80 Km Radius).” Presented to the 787 Service Ready Operational Validation (SROV) Team, Rolling Out the First 787 delivered to ANA in Japan. June 11, 2011.
- “Radiological Briefing for Boeing Visitors to Japan (Areas Outside the 80 Km Radius).” Guidance for Boeing employees visiting Japan outside the 80 km zone. June 6, 2011.
- “Conduct of Operations in Areas Affected by the Fukushima-Daiichi Nuclear Accident.” Training and guidelines for proposed visits inside the 80 Km zone. Co-authored with Jim Barnes and John Pickering. May 24, 2011.
- “Radiation Primer.” Guidance for Boeing employees visiting Soma, Japan. May 17, 2011.
- “Supplier Visits.” Guidance for Boeing employees visiting Japanese suppliers within the 80 Km zone. Co-authored with Jim Barnes. May 15, 2011.
- “Japan Radiological Update.” Presented to the Fukushima Crisis Management Team and Boeing-Japan Executive Management. Co-authored with Jim Barnes. April 20, 2011.
- “Japan Radiological Update.” Presented to the Fukushima Crisis Management Team and Boeing-Japan Executive Management. Co-authored with Jim Barnes. April 18, 2011.
- “Japan Radiological Update.” Presented to the Fukushima Crisis Management Team and Boeing-Japan Executive Management. Co-authored with Jim Barnes. April 17, 2011.
- “Japan Radiological Update.” Presented to the Fukushima Crisis Management Team and Boeing-Japan Executive Management. Co-authored with Jim Barnes. April 15, 2011.



- “Japan Radiological Update.” Presented to the Fukushima Crisis Management Team and Boeing-Japan Executive Management. Co-authored with Jim Barnes. April 14, 2011.
- “Japan Radiological Update.” Presented to the Fukushima Crisis Management Team and Boeing-Japan Executive Management. Co-authored with Jim Barnes. April 13, 2011.
- “Japan Radiological Update.” Presented to the Fukushima Crisis Management Team and Boeing-Japan Executive Management. Co-authored with Jim Barnes. April 11, 2011.
- “Japan Radiological Update.” Presented to the Fukushima Crisis Management Team and Boeing-Japan Executive Management. Co-authored with Jim Barnes. April 10, 2011.
- “Japan Radiological Update.” Presented to the Fukushima Crisis Management Team and Boeing-Japan Executive Management. Co-authored with Jim Barnes. April 9, 2011.
- “Japan Radiological Update.” Presented to the Fukushima Crisis Management Team and Boeing-Japan Executive Management. Co-authored with Jim Barnes. April 8, 2011.
- “Japan Radiological Update.” Presented to the Fukushima Crisis Management Team and Boeing-Japan Executive Management. Co-authored with Jim Barnes. April 7, 2011.
- “Japan Radiological Update.” Presented to the Fukushima Crisis Management Team and Boeing-Japan Executive Management. Co-authored with Jim Barnes. April 6, 2011.
- “Japan Radiological Update.” Presented to the Fukushima Crisis Management Team and Boeing-Japan Executive Management. Co-authored with Jim Barnes. April 5, 2011.
- “Japan Radiological Update.” Presented to the Fukushima Crisis Management Team and Boeing-Japan Executive Management. Co-authored with Jim Barnes. April 4, 2011.
- “Return to Utsunomiya. Information and Guidelines to Employees.” Co-authored with Jim Barnes. April 4, 2011.
- “Japan Radiological Update.” Presented to the Fukushima Crisis Management Team and Boeing-Japan Executive Management. Co-authored with Jim Barnes. April 3, 2011.
- “Japan Radiological Update.” Presented to the Fukushima Crisis Management Team and Boeing-Japan Executive Management. Co-authored with Jim Barnes. April 2, 2011.
- “Japan Radiological Update.” Presented to the Fukushima Crisis Management Team and Boeing-Japan Executive Management. Co-authored with Jim Barnes. April 1, 2011.
- “Japan Radiological Update.” Presented to the Fukushima Crisis Management Team and Boeing-Japan Executive Management. Co-authored with Jim Barnes. March 31, 2011.
- “Japan Radiological Update.” Presented to the Fukushima Crisis Management Team and Boeing-Japan Executive Management. Co-authored with Jim Barnes. March 30, 2011.
- “Japan Radiological Update.” Presented to the Fukushima Crisis Management Team and Boeing-Japan Executive Management. Co-authored with Jim Barnes. March 29, 2011.
- “Radiological Status.” Presented to the Fukushima Crisis Management Team and Boeing-Japan Executive Management. Co-authored with Jim Barnes. March 28, 2011.



- “Radiological Status.” Presented to the Fukushima Crisis Management Team and Boeing-Japan Executive Management. Co-authored with Jim Barnes. March 27, 2011.
- “Radiological Status.” Presented to the Fukushima Crisis Management Team and Boeing-Japan Executive Management. Co-authored with Jim Barnes. March 26, 2011.
- “Radiological Status.” Presented to the Fukushima Crisis Management Team and Boeing-Japan Executive Management. Co-authored with Jim Barnes. March 25, 2011.
- “Fukushima Site Status and Radiological Status.” Presented to the Fukushima Crisis Management Team, Boeing-Japan Executive Management and Employees. Co-authored with Jim Barnes. March 24, 2011.
- “Radiological Status.” Presented to the Fukushima Crisis Management Team and Boeing-Japan Executive Management. Co-authored with Jim Barnes. March 23, 2011.
- “Radiological Status.” Presented to the Fukushima Crisis Management Team and Boeing-Japan Executive Management. March 22, 2011.
- “Radiological Status.” Presented to the Fukushima Crisis Management Team and Boeing-Japan Executive Management. March 19, 2011.
- “Worst Case Analyses and Projected Dose Rates.” Presented to the Fukushima Crisis Management Team and Boeing-Japan Executive Management. March 17, 2011.

2010

- “Radiological Cleanup at SSFL Area IV – ETEC Closure Project.” Presented to the Boeing Radiation Safety Technical Community. October 5, 2010.
- “Community Cancer Studies.” Presented to Jeanette Lombardo, Committee Member, Regional Water Quality Control Board. June 25, 2010.
- “Theoretical Radiation Risk in Perspective.” January 2010.

2009

- “Radiological Remediation and Monitoring.” Part of an Information Forum Presented to the Staff of Boeing EHS. September 28, 2009.

2008

- “Radiological Background for SSFL, Area IV.” Presented to EPA, HGL, DOE, DPH, DTSC and Public. December 2008.
- “Summary Status of Land Transfer and SB 990 Implementation.” May 27, 2008.
- “EEOICPA Claims Processing for ETEC.” Presented to Department of Labor and Department of Energy. May 15, 2008.
- “Area IV, SSFL, ETEC.” Presented to Julia Brownley, State Assemblyperson and Other Elected Official Staffers. April 25, 2008.
- “Radiological Operations and Cleanup at SSFL, Area IV - ETEC Closure Project.” Prepared for a Community Tour but not presented. March 28, 2008.



- “Radiological Operations and Cleanup at SSFL - ETEC Closure Project.” Presented to the Environmental Protection Agency, Region IX. March 27, 2008.
- “Radiological Operations and Cleanup at SSFL, ETEC Closure Project.” Presented to CH2MHill Personnel. March 19, 2008.
- “EPA Briefing and Tour of SSFL.” Presented to the Environmental Protection Agency, Region IX. Superfund Listing. March 11, 2008.
- “Energy Technology Engineering Center. DOE Operations and Radiological Cleanup at SSFL.” Presented to Tim Copes, Boeing Vice President. March 11, 2008.
- “Radiological Operations and Cleanup at SSFL, ETEC Closure Project.” Presented to CDM EIS Contractor, DOE. January 30, 2008.

2007

- P. D. Rutherford and J. McLaughlin, “EEOICPA Reasonable Search Procedures.” Presented at the Department of Labor District Office, Seattle, Washington. November 28, 2007.
- “Energy Technology Engineering Center (ETEC) Closure Project - DOE Operations and Radiological Cleanup at SSFL.” Presented to the EO&T Finance Leadership Team. November 1, 2007.
- “Department of Energy ETEC Closure Project.” Presented to Boeing EHS Management and Law Department. September 25, 2007.
- Phil Rutherford, “Linear No Threshold Model of Radiation Risk.” Revision A. September 10, 2007. [DOE source](#).
- Phil Rutherford, “Background Radiation.” Revision A. September 10, 2016. [DOE source](#).
- T. Gallacher and P. D. Rutherford, “Santa Susana Field Laboratory – EPA Tour.” Presented to Region IX, U. S. Environmental Protection Agency. August 16, 2007.
- M. Jackson, T. Gallacher and P. D. Rutherford, “Santa Susana Field Laboratory.” Presented to California State Assemblyman Cameron Smyth. July 25, 2007.
- T. Johnson and P. D. Rutherford, “Engineering Evaluation & Cost Analysis of the SNAP Environmental Test Facility (Building 4024).” Department of Energy Public Meeting, Simi Valley, California. February 21, 2007. [DOE source PowerPoint](#). [DOE source transcript](#).
- A. Lenox and P. D. Rutherford, “Santa Susana Field Laboratory – Environmental Remediation.” Presented to the Boeing Law Department and Kirkland & Ellis. February 19, 2007.
- “Energy Employees Occupational Illness Compensation Program Act.” Presented to the Department of Labor, the Department of Energy and Paragon Technical Services. February 6, 2007.
- “Department of Energy Closure of the Energy Technology Engineering Center.” Presented to Adolpho Bailon, District Director for U. S. Senator Barbara Boxer. February 6, 2007.

2006

- “DOE Closure of the Energy Technology Engineering Center – Radiological Topics.” Presented to Thomas Johnson, Deputy Federal Facilities Director. December 20, 2006.



- “Radiological Topics - Santa Susana Field Laboratory.” Presented to San Fernando and Simi Valley Realtors. December 2006.
- “Santa Susana Field Laboratory – Radiological Topics.” Presented to Boeing Management and Law Department. November 14, 2006.
- “Sodium Reactor Experiment.” Presented to the Staff of Pratt & Whitney Rocketdyne. Lunchtime Knowledge Management Lecture Series. November 10, 2006.
- P. D. Rutherford, “Radiation Safety for the DOE ETEC Closure Program.” Presented to Mr. Fitzmire, V. P. of Boeing Directed Energy Systems. November 9, 2006.
- “Santa Susana Field Laboratory – Radiological Topics.” Presented to Carol Wallisch (Chief of Staff) and Laura Plotkin (District Manager) for State Senator Sheila Kuehl. November 8, 2006.
- P. D. Rutherford, “Santa Susana Field Laboratory - Radiological Topics.” Presented to the Simi Valley City Council. October 10, 2006.
- P. D. Rutherford and A. Lenox, “Remediation at the Santa Susana Field Laboratory and the SRE Accident.” Presented to journalists from the Los Angeles Times, Daily News and Ventura County Star. October 3, 2006.
- P. D. Rutherford, “Radiation Safety for the DOE ETEC Closure Program.” Presented to Mr. Fitzmire, V. P. of Boeing Directed Energy Systems. August 28, 2006.
- P. D. Rutherford, “DOE Radiological Cleanup Process.” Presented to Mary Armstrong, Boeing Vice President of EHS. August 25, 2006.
- P. D. Rutherford and B. Sujata, “Accelerated Radiological Scope Completion.” Presented to Cynthia Anderson, DOE-EM. August 23, 2006.
- P. D. Rutherford, “Historical Site Assessment of Area IV – Objective and Near Term Future Work.” Presented to Cynthia Anderson, DOE-EM. August 22, 2006.
- P. D. Rutherford, “Hot Topics for the DOE ETEC Closure Program.” August 22, 2006.
- P. D. Rutherford, “Radiation Safety for the DOE ETEC Closure Program.” Presented to Mr. Fitzmire, V. P. of Boeing Directed Energy Systems. July 19, 2006.
- “Energy Employees Occupational Illness Compensation Program Act.” Presented to the Department of Labor. May 5, 2006.
- P. D. Rutherford, “Radiation Safety for the DOE ETEC Closure Program.” Presented to Mr. Fitzmire, V. P. of Boeing Directed Energy Systems. March 31, 2006.
- P. D. Rutherford, “Effect of Using True Variability in Baseline Cancer Rates.” Presented to Boeing Management. February 3, 2006.
- P. D. Rutherford, “Radiation Safety for the DOE ETEC Closure Program.” Presented to Mr. Fitzmire, V. P. of Boeing Directed Energy Systems. February 2, 2006.



2005

- M. E. Lee, A. Lenox and P. D. Rutherford, "Topanga Fire – Santa Susana Field Laboratory." Presented at the DOE Public Meeting, Simi Valley, California. November 15, 2005.
- P. Costa, A. Lenox and P. D. Rutherford, "Topanga Fire – Santa Susana Field Laboratory." Presented to staff of the Daily News and Ventura County Star. October 20, 2005.
- Phil Rutherford, "Topanga Fire – Santa Susana Field Laboratory – Radiological Assessment." October 20, 2005.
- P. Costa, A. Lenox and P. D. Rutherford, "Topanga Fire – Santa Susana Field Laboratory." Presented to staff of the Ventura County Air Pollution Control District, Ventura County Environmental Health Division, Ventura County Fire Department, Department of Toxic Substances Control, Regional Water Quality Control Board, Department of Energy and South Coast Air Quality Management District. October 13, 2005.
- "Radiation Cleanup Standards at the Santa Susana Field Laboratory." September 14, 2005.
- "Department of Energy (DOE) Public Meeting on the Energy Technology Engineering Center (ETEC) Closure Program." Simi Valley, California. June 22, 2005. (Participant).
- P. D. Rutherford, "Historical Site Assessment of the Hot Lab." June 14, 2005.
- P. D. Rutherford, "Follow-on Rocketdyne Worker Health Study." Presentation to the Staff of the Rocketdyne Health & Safety Department. April 5, 2005
- "Department of Energy (DOE) Public Meeting on the Energy Technology Engineering Center (ETEC) Closure Program." Simi Valley, California. March 22, 2005. (Participant).

2004

- "Department of Energy (DOE) Public Meeting on the Energy Technology Engineering Center (ETEC) Closure Program." Simi Valley, California. December 2, 2004. (Participant).
- Nuclear Power Training Seminar Series. Knowledge Management Program. Presented to the staff of Rocketdyne. Leadership and Learning Center. Canoga Park, California
 - "[Space Nuclear Safety](#)." November 18, 2004
 - "[Understanding Radiation and Its Effects](#)." November 3, 2004
- "Radiological Remediation in Area IV, SSFL." Presented to Tim Molloy, Associated Press. November 2, 2004
- "Radiation Cleanup Standards at SSFL." October 26, 2004.
- P. D. Rutherford, "Radiological Remediation in Area IV, SSFL." Presented to Amanda Star, Los Angeles Times. October 20, 2004.
- A. Lenox and P. D. Rutherford, "Environmental Cleanup at the Santa Susana Field Laboratory." Presentation and tour for Teresa Rochester, Ventura County Star. October 1, 2004.
- A. Lenox and P. D. Rutherford, "Environmental Cleanup at the Santa Susana Field Laboratory." Presentation and tour for John Bwanie, Office of Mayor James Hahn, City of Los Angeles.



September 22, 2004.

- A. Lenox and P. D. Rutherford, "Environmental Cleanup at the Santa Susana Field Laboratory." Presentation and tour for Los Angeles City Council members, Dennis Zine and Greg Smith. September 16, 2004.
- A. Lenox and P. D. Rutherford, "Environmental Cleanup at the Santa Susana Field Laboratory." Presentation and tour for Los Angeles County Environmental Agency staff. Patti Friedman, Assistant to L.A. County Supervisor Mike Antonovich, Mark McKowski, Upper L.A. River Area Watermaster, and Richard Wagoner, Director, L.A. County Bureau of Environmental Protection. September 10, 2004.
- "Department of Energy (DOE) Public Meeting on the Energy Technology Engineering Center (ETEC) Closure Program." Simi Valley, California. September 9, 2004. (Participant).
- A. Lenox and P. D. Rutherford, "Environmental Cleanup at the Santa Susana Field Laboratory." Presentation and tour for Craig Tranby, Los Angeles Environmental Affairs Department. August 20, 2004.
- A. Lenox and P. D. Rutherford, "Environmental Cleanup at the Santa Susana Field Laboratory." Presentation and tour for Los Angeles County legislative staff. Patti Friedman, Assistant to L.A. County Supervisor Mike Antonovich, and Paul Novak, Planning Aide for L.A. County Supervisor Mike Antonovich. August 19, 2004.
- "Sodium Reactor Experiment – History, Operations, Accident, Remediation, Soil Sampling." July 2004.
- "Jupiter Icy Moons Orbiter (JIMO) Nuclear Safety." Presented to JIMO Project Management at the Jet Propulsion Laboratory. March 15, 2004.

2003

- "Santa Susana Field Laboratory Overview – Radiological Remediation." Presentation to Amy Zimpfer and John Beach, U.S. EPA Region IX. September 19, 2003.
- "Radiological Cleanup at the Santa Susana Field Laboratory (Area IV)." August 13, 2003.
- "Strategy and Examples for a Historical Site Assessment of Area IV, SSFL." Presented to DOE and DHS. Sacramento, California. August 5, 2003.
- "Radiological Cleanup for the DOE ETEC Site Closure Program (with Focus on the Landfill Disposal)." Presented to the management of Clean Harbors. February 20, 2003.
- "Radiological Surveys and Soil Sampling Conducted in Area IV, SSFL." Presented to the Radiologic Health Branch, Department of Health Services. January 28, 2003.

2002

- "Radiological Surveys and Soil Sampling Conducted in Area IV, SSFL." Presented to the Department of Energy Focus Team. December 4, 2002.
- "Radiological Cleanup for the DOE ETEC Site Closure Program (with Focus on the Landfill Disposal)." Presented to the Management of Waste Management Inc. October 9, 2002.



- “1994-95 Area IV Radiological Survey (with Focus on the Use of Soil Data).” Presented to the Management of U.S. EPA, Region IX, San Francisco and Las Vegas. October 4, 2002. [DOE source](#).
- “Radiological Cleanup for the DOE ETEC Site Closure Program (with Focus on the Landfill Disposal).” Presented to the management of Los Angeles County Sanitation District. September 16, 2002.
- “Radiological Cleanup at the Santa Susana Field Laboratory.” Presented to Lisa Mascaro, Daily News. September 11, 2002.
- “Implementation of the ALARA Process in the DOE Cleanup and Closure of the Energy Technology Engineering Center.” Presented to the Management of U.S. EPA, Region IX. April 4, 2002.
- “Radiation Risk - A Critical Look at Real and Perceived Risks from Radiation Exposure.” Presented to Boeing Management and McDaniel Lambert Inc. February 11, 2002.

2001

- “EPA Survey of Prior Radiological Buildings.” Presented to U.S. EPA, Tetra-Tech, Media, Legislative Staff and Community Members. October 2-4, 2001.
- “Briefing and Tour of Area IV, SSFL.” EPA Region IX and EPA Las Vegas. June 8, 2001
- “Radiological Soil Background Relevant to Cleanup at SSFL.” Presented to the Management of USDOE, USEPA, DHS and DTSC. February 23, 2001.
- “Current Radiological Issues Related to the DOE ETEC Site Closure Program.” Briefing Package Provided to the Department of Health Services Radiologic Health Branch. January 25, 2001.

2000

- “Current Radiological Issues Related to the DOE ETEC Site Closure Program.” Briefing Package Provided to the Inter-Agency Steering Committee on Radiation Standards. November 2000.
- “Radiological Soil Background Relevant to Cleanup at SSFL.” Presented to the Management of USDOE, USEPA, DHS and DTSC. November 15, 2000.
- “EPA Survey of Building 4059.” Presented to U.S. EPA, Tetra-Tech, Media, Legislative Staff and Community Members. October 24-25, 2000.
- “Environmental Status at the Santa Susana Field Laboratory.” Presented to Management of the Agency for Toxic Substances Disease Registry (ATSDR), the Eastern Research Group (ERG), and the University of California at Los Angeles (UCLA). October 13, 2000.
- “Environmental Programs at Rocketdyne’s Santa Susana Field Laboratory.” Presented to the Department of Health and Human Services. October 12, 2000.
- “Radiological Soil Background Relevant to Cleanup at SSFL.” Presented to the Management of USDOE, USEPA, DHS and DTSC. October 11, 2000.
- “Environmental Programs at Rocketdyne’s Santa Susana Field Laboratory.” Presented to the Department of Health and Human Services. October 5, 2000.
- “Key Issues.” August 23, 2000.



- “Radiation Cleanup Standards.” Presented to the staff of the DOE Inspector General. August 16, 2000.
- Majelle Lee and Phil Rutherford, “Energy Technology Engineering Center - Site Closure Program.” Presented to James Fiore, DOE Environmental Management. August 10, 2000.
- “Radiological Operations at SSFL.” Presented to the Agency for Toxic Substances Disease Registry. August 1, 2000.
- “Radiological Facilities at SSFL and De Soto – A Pictorial History.” Presented at the Worker Health Study Phase II Bidders Conference. July 18, 2000.

1999

- “Rocketdyne Worker Health Study Phase I.” Presented to the Worker Health Study II Science Committee. December 20, 1999.



REPORTS

The following is a chronological selection of reports, correspondence and documents authored, co-authored, or edited. When Boeing documents are available on public web sites including The Boeing Company (Boeing), the Department of Energy (DOE) and the California Department of Toxic Substances Control (DTSC), hyperlinks to that public source are provided.

2016

- Phil Rutherford *Consulting*, "[Effect of Using True Variability for Baseline Cancer Rates.](#)" November 21, 2016.

2015

- Phil Rutherford *Consulting*, "[Review and Comment on Three Contaminated Sites in New York State.](#)" Performed for the Investigative Post. November 23, 2015.
- Phil Rutherford and Earl Sorrels. "Area IV Outfall 003 and 005 Felt. Container 128323. Radiological Release Survey and Waste Certification." August 25, 2015.
- Phil Rutherford, "EEOICPA Radiation Dose History Search Instructions." Revision C. August 21, 2015.
- Phil Rutherford, "2015 Non-Advocate Review of the Boeing Radiation Health Protection (RHP) Program." Revision B. August 5, 2015.
- Phil Rutherford, "Instructions for EEOICPA Monthly Report to DOE." Revision A. August 11, 2015.
- Phil Rutherford and Earl Sorrels. "Area III Power Pole Transformers. Radiological Release Survey and Waste Certification." July 14, 2015.
- Phil Rutherford and Earl Sorrels. "Area I Burn Pit PPE & Decon Water. Containers 128218 and 128219. Radiological Release Survey and Waste Certification." July 13, 2015.
- Phil Rutherford and Earl Sorrels. "Area III SWTS 018 Bag Filter. Container 128142. Radiological Release Survey and Waste Certification." July 13, 2015.
- Phil Rutherford and Earl Sorrels. "Area III Silvernale Outfall 018 Filter Media. Containers 128236, 128237, 128239-128245. Radiological Release Survey and Waste Certification." June 30, 2015.
- Phil Rutherford, "Radiological Soil Exceedances." June 10, 2015.
- Phil Rutherford, "Notice to SSFL Employees. Radioactive Materials License 0015-10." May 29, 2015.
- Phil Rutherford and Earl Sorrels, "Area I GETS Filter Casing. Container 128152. Radiological Release Survey and Waste Certification." May 13, 2015.
- Phil Rutherford and Earl Sorrels. "Area IV Outfall 004 Straw Wattles. Containers 128188 and 128189. Radiological Release Survey and Waste Certification." April 24, 2015.



- Phil Rutherford and Earl Sorrels, "Area IV Groundwater IDW and Rinse Water. Containers 128138, 128139, 128204 & 128205. Radiological Release Survey and Waste Certification." April 23, 2015.
- Phil Rutherford and Earl Sorrels. "Area I Burn Pit PPE, Debris and Rinse Water. Containers 128096 and 128097. Radiological Release Survey and Waste Certification." April 16, 2015.
- Phil Rutherford and Earl Sorrels. "Area I Burn Pit PPE, Debris & Rinse Water. Containers 128030 & 128031. Radiological Release Survey and Waste Certification." April 7, 2015.
- Phil Rutherford and Earl Sorrels. "Area I Reflective Disks. Container 128192. Radiological Release Survey and Waste Certification." April 2, 2015.
- Phil Rutherford and Earl Sorrels. "Area IV Outfall 004 Culvert Piping. Radiological Release Survey and Waste Certification." March 17, 2015.
- Phil Rutherford and Earl Sorrels, "Area I Sage Ranch Shooting Range. Containers 128012, 128013 and 128014. Radiological Release Survey and Waste Certification." March 17, 2015.
- Phil Rutherford, "Response to SSFL Guidebook." January 30, 2015

2014

- Phil Rutherford. Letter to Ron Rogus, Licensing, California Department of Health Services, Radiological Health Branch. "Amendment Request. Radioactive Material License 0015-19." SHEA-114966. October 3, 2014.
- Phil Rutherford and Earl Sorrels. "Area IV 4024 Baker Tank Debris. Container 127799. Radiological Release Survey and Waste Certification." September 24, 2014.
- Phil Rutherford and Earl Sorrels. "Area IV Groundwater Investigation Derived Waste (IDW). Containers 127667, 127668 and 127825. Radiological Release Survey and Waste Certification." September 23, 2014.
- Phil Rutherford and Earl Sorrels, "Area III Underground Nitrogen Line. Radiological Release Survey and Waste Certification." September 17, 2014.
- Phil Rutherford and Earl Sorrels, "Area IV Groundwater Well Casings and Equipment. Radiological Release Survey and Waste Certification." September 5, 2014.
- "Site Environmental Report for Calendar Year 2014 (January to September). DOE Operations at The Boeing Company, Santa Susana Field laboratory, Area IV." Draft provided to North Wind. (Editor and contributor). September 2014.
- Phil Rutherford and Earl Sorrels. "Area IV Outfall 004 Poly-tank and Support Concrete. Radiological Release Survey and Waste Certification." August 28, 2014.
- Phil Rutherford and Earl Sorrels, "Area IV Groundwater Well Plastic Sampling Tubing. Container 127733. Radiological Release Survey and Waste Certification." July 29, 2014.
- Phil Rutherford and Earl Sorrels, "Area IV Empty Tritium Purge Water Totes. Containers 127421 to 127430. Radiological Release Survey and Waste Certification." July 28, 2014.
- Phil Rutherford, "Community Cancer Studies." July 22, 2014. [Boeing source](#).



- Phil Rutherford and Earl Sorrels. "Area IV RFI Soil Sampling Investigation Derived Waste (IDW). Containers 127555, 127559, 127571, 127575, 127588, 127594 and 127595. Radiological Release Survey and Waste Certification." July 16, 2014.
- Phil Rutherford and Earl Sorrels, "Area IV Legacy Tritium Well Purge/Decon Water. Containers 127421 to 127430. Radiological Release Survey and Waste Certification." Revision A. June 30, 2014.
- Phil Rutherford and Earl Sorrels, "Building 1436 Bio-swale, Area I. Radiological Release Survey and Waste Certification." Revision A. June 25, 2014.
- Phil Rutherford, "Nitrogen Line, Area III. Document Review and Operations Certification." June 18, 2014.
- Phil Rutherford, "Truck Scale, Area I. Document Review and Operations Certification." June 18, 2014.
- Phil Rutherford, "Sewage Treatment Plant (STP-1), Area I. Document Review and Operations Certification." June 18, 2014.
- Phil Rutherford and Earl Sorrels, "Pre-demo, Area I. Truck Scale. Radiological Release Survey and Waste Certification." June 16, 2014.
- "Site Environmental Report for Calendar Year 2013. DOE Operations at The Boeing Company, Santa Susana Field Laboratory, Area IV." (Editor and contributor). June 2014. [DOE source](#).
- Phil Rutherford. Letter to Vandana Kohli, Licensing, California Department of Public Health, Radiological Health Branch. "Additional Information Regarding Renewal Request for Radioactive Material License 0015-19. Docket No. 07182012-0015." SHEA-114727. June 4, 2014.
- Phil Rutherford and Earl Sorrels, "Area IV Groundwater Well RS-28, RD-30 and RD-98 Purge/Decon Water. Container 127461. Radiological Release Survey and Waste Certification." May 20, 2014.
- Phil Rutherford. Letter to Vandana Kohli, Licensing, California Department of Public Health, Radiological Health Branch. "Additional Information Regarding Renewal Request for Radioactive Material License 0015-19. Docket No. 07182012-0015." SHEA-114704. May 19, 2014.
- Phil Rutherford and Earl Sorrels, "SP-900C Purge Water (Container 127342) and 4038 Yard Secondary Containment Rainwater (Container 127392). Radiological Release Survey and Waste Certification." May 2, 2014.
- Phil Rutherford and Earl Sorrels, "Area IV Groundwater Well Purge/Decon Water & PPE. Containers 127473 and 127476. Radiological Release Survey and Waste Certification." April 15, 2014.
- Phil Rutherford and Earl Sorrels, "Area IV Tritium Well Sampling PPE & Debris. Container 127311. Radiological Release Survey and Waste Certification." April 14, 2014.
- Phil Rutherford and Earl Sorrels, "Area IV Groundwater Tritium Well Purge/Decon Water. Container 127312. Radiological Release Survey and Waste Certification." April 14, 2014.
- Phil Rutherford and Earl Sorrels, "Area IV Groundwater Well Sampling PPE & Debris. Container 127304. Radiological Release Survey and Waste Certification." March 25, 2014.



- Phil Rutherford and Earl Sorrels, "Area IV Groundwater Well Sampling PPE & Waste Water. Containers 127305, 127317-127321 and 127324. Radiological Release Survey and Waste Certification." Revision A. March 10, 2014.
- Phil Rutherford. Letter to John Jones (DOE). "NESHAPs Report for 2013." March 3, 2014. [DOE source](#).
- Phil Rutherford and Earl Sorrels. "Area I Soil Sampling Decon & Rinse Water - AIBP, CTL-III & CTL-V. Container 127208. Radiological Release Survey and Waste Certification." February 26, 2014.
- Phil Rutherford, "Job Walk of DOE Facilities, Area IV, Santa Susana Field Laboratory." January 14, 2014. [DOE source](#).
- Phil Rutherford, "Plan for Transition of Contract DE-AC03-99SF21530 from Boeing to Successor Contractor", PMP-00009, Revision B, January 9, 2014

2013

- Phil Rutherford and Earl Sorrels. "Release of Camera and Bailer at RD-34B." December 18, 2013.
- Phil Rutherford, "Response to Building CEQA Complaint, Hirsch Report and CRPE Letter to Kern County." Revision 3A. November 20, 2013.
- Phil Rutherford and Earl Sorrels, "Area IV Groundwater Well Sampling PPE & Debris. Radiological Release Survey and Waste Certification." November 14, 2013.
- Phil Rutherford and Earl Sorrels, "Area I NASA ISRA LOX-1B-3 Pipe - Container 126888. Radiological Release Survey and Waste Certification." November 14, 2013. [Boeing source, PDF pages 134-142](#).
- Phil Rutherford, "ISRA 009, Area II. ELV-1D (F-listed, Radionuclides > LUT). Soil Sampling for Radionuclides and Waste Certification." Revision 3. November 12, 2013. [Boeing source, PDF pages 39-45](#). [Boeing source](#).
- Phil Rutherford, "Data_for_540-541_Rev_A.xlsx." October 16, 2013.
- Phil Rutherford and Jim Barnes, "[Transition Checklist for DOE Buildings \(Historical Facility Crosswalk\)](#)." October 8, 2013.
- Phil Rutherford and Jim Barnes, "[Transition Checklist for Site-wide DOE Operations \(Historical Site-wide Crosswalk\)](#)." October 8, 2013.
- Phil Rutherford and Earl Sorrels. "Release of Container 126584 - Area IV GW Rinse & Purge Water." September 26, 2013.
- Phil Rutherford and Earl Sorrels. "Release of Containers 126763 through 126770, 126773 and 126777 - CDM Decon. Water and PPE." September 26, 2013.
- Phil Rutherford and Earl Sorrels, "Sewage Treatment Plant STP-1, Area I. Pre-demo Radiological Release Survey and Waste Certification." September 23, 2013. [DTSC source PDF pages 8-19](#).
- Phil Rutherford and Earl Sorrels, "Nitrogen Line. Area III & NBZ. Pre-demo Radiological Release Survey and Waste Certification." September 13, 2013. [DTSC source PDF pages 11-26](#).



- Phil Rutherford and Earl Sorrels, "Pre-demo, Building 1436, Area I. Radiological Release Survey and Waste Certification." Revision 1. September 13, 2013. [DTSC source PDF pages 62-96](#).
- Phil Rutherford and Earl Sorrels, "NASA ISRA LOX Area, Metal Debris - Phase 2, Area I. Radiological Release Survey and Waste Certification." September 5, 2013. [Boeing source, PDF pages 124-133](#).
- Phil Rutherford, "Boeing ISRA IEL-3. Area I. Soil Sampling for Radionuclides and Waste Certification." Revision 8. September 4, 2013. [Boeing source, PDF pages 81-344](#). [Boeing](#).
- Phil Rutherford and Earl Sorrels, "Off-site West Hills Residence Radiological Survey." Revision 1. September 4, 2013.
- Phil Rutherford, "Response to CRPE Letter to Kern County." September 3, 2013.
- Phil Rutherford, "Response to Building CEQA Complaint, Hirsch Report and CRPE Letter to Kern County." Revision 3. September 2, 2013.
- "Site Environmental Report for Calendar Year 2012. DOE Operations at The Boeing Company, Santa Susana Field laboratory, Area IV." (Editor and contributor). September 2013. [DOE source](#).
- Phil Rutherford and Earl Sorrels, "NASA ISRA LOX Area, Area I. Radiological Release Survey and Waste Certification." August 22, 2013. [Boeing source, PDF pages 110-123](#).
- Phil Rutherford, "Response to Building CEQA Complaint and Hirsch Report." Revision 2. August 22, 2013.
- Phil Rutherford, "Response to Building CEQA Complaint and Hirsch Report." Revision 1. August 20, 2013.
- Phil Rutherford, "ISRA 009, Area II LOX Debris Pile (Radionuclides < LUT). Soil Sampling for Radionuclides and Waste Certification." August 15, 2013. [Boeing source](#).
- Phil Rutherford, "Area IV. Lift Station Water. Container 126564. Radiological Release Survey and Waste Certification." August 9, 2013.
- Phil Rutherford, "Regulatory Release of Building 4100 and Disposal of Decommissioned Material." Revision 2. August 5, 2013. [DTSC Source PDF pages 54-362](#).
- Phil Rutherford, "ISRA 009, Area II, LOX Debris Pile (Radionuclides < LUT). Soil Sampling for Radionuclides and Waste Certification." August 1, 2013. [Boeing source, PDF pages 76-109](#).
- Phil Rutherford, "Building 1436, Area I. Document Review and Operations Certification." July 29, 2013.
- Phil Rutherford and Earl Sorrels, "Pre-Demo, Building 1436, Area I. Radiological Release Survey and Waste Certification." July 28, 2013. [DTSC source PDF pages 62-96](#). [DTSC source PDF pages 62-96](#).
- Phil Rutherford, "ISRA 009, Area II. ELV-1D (F-listed, Radionuclides < LUT). Soil Sampling for Radionuclides and Waste Certification." Revision 2. July 28, 2013. [Boeing source, PDF pages 31-38](#). [Boeing source](#).
- Phil Rutherford, "ISRA 009, Area II. ELV-1D (F-listed, Radionuclides > LUT). Soil Sampling for Radionuclides and Waste Certification." Revision 1. July 19, 2013. [Boeing source](#).



- Phil Rutherford, "Area IV Sewer Lift Station & Pump. Radiological Release Survey and Waste Certification." July 12, 2013.
- Phil Rutherford and Earl Sorrels, "RD-54B Piping Debris, Area IV, Container #126383. Radiological Release Survey and Waste Certification." July 12, 2013.
- Phil Rutherford and Earl Sorrels, "Miscellaneous Debris, Sub-surface. Area IV. Radiological Release Survey and Waste Certification." July 12, 2013.
- Phil Rutherford, "Building 4055 Radioactive liquid Waste System." June 26, 2013. [DTSC source PDF pages 281-291](#).
- Phil Rutherford, "4704 Electrical Substation. Area IV. Radiological Release Survey and Waste Certification." June 19, 2013.
- Phil Rutherford, "Nitrogen Depot Septic Tank. Area III. Radiological Release Survey and Waste Certification." June 18, 2013.
- Phil Rutherford, "New Conservation Yard. Area IV. Radiological Release Survey and Waste Certification." June 13, 2013. [DTSC source PDF pages 10-19](#). [DTSC source PDF pages 10-19](#).
- Phil Rutherford, "Miscellaneous Debris. Area IV. Radiological Release Survey and Waste Certification." June 13, 2013.
- Phil Rutherford, "USEPA Data from the Surrounds of New Conservation Yard." June 12, 2013. [DTSC source PDF pages 21-27](#).
- Phil Rutherford, "ISRA 009, Area II. LOX (All Chem., Radionuclides < LUT). Soil Sampling for Radionuclides and Waste Certification." Revision 1. June 6, 2013. [Boeing source, PDF pages 43-68](#). [Boeing source](#).
- Phil Rutherford, "ISRA 009, Area II. LOX (Non-hazardous, Radionuclides > LUT). Soil Sampling for Radionuclides and Waste Certification." Revision 1. June 6, 2013. [Boeing source, PDF pages 69-75](#). [Boeing source](#).
- Phil Rutherford and Earl Sorrels, "Post-demolition Segregated Concrete. L-85 Slab. Area IV. Radiological Release Survey and Waste Certification." Revision A. May 22, 2013.
- Phil Rutherford, "L-85 Fluid Piping. Area IV. Radiological Release Survey and Waste Certification." Revision A. May 22, 2013.
- Phil Rutherford and Earl Sorrels, "Pre-demo L-85 Slab. Area IV. Radiological Release Survey and Waste Certification." Revision B. May 22, 2013.
- Phil Rutherford and Earl Sorrels, "Post-demolition. L-85 Site. Area IV. Radiological Release Survey and Waste Certification." May 21, 2013.
- Phil Rutherford, "USEPA Data from the Surrounds of Electrical Substation (Building 4704)." May 20, 2013.
- Ning Liu and Phil Rutherford. Letter to John Jones (DOE). "NESHAPs Report for 2012." May 21, 2013. [DOE source](#).
- Phil Rutherford, "Amendment to L-85 Demolition Notification." April 19, 2013.



- Phil Rutherford, "Standard Operating Procedures: Boeing Demolition Debris Characterization and Management: Amendment 2." April 19, 2013. [DTSC source PDF pages 25-28](#). [DTSC source PDF pages 25-28](#).
- Phil Rutherford and Earl Sorrels, "RD-54B Piping Debris, Area IV. Radiological Release Survey and Waste Certification." April 16, 2013.
- Phil Rutherford and Earl Sorrels, "Piping in Area III. 2013. Radiological Release Survey and Waste Certification." April 15, 2013.
- Phil Rutherford and Earl Sorrels, "ESADA Post-Demo Slabs, Pads, Drive & Lot. Area IV. Radiological Release Survey and Waste Certification." April 5, 2013. [DTSC source PDF pages 9-68](#)
- Phil Rutherford and Earl Sorrels, "FLUTe Waste, Area IV - Container 126028. Radiological Release Survey and Waste Certification." Revision 1. April 3, 2013.
- Phil Rutherford, "ISRA 009, Area II. ELV-1C (Non-hazardous, Radionuclides > LUT). Soil Sampling for Radionuclides and Waste Certification." Revision 1. April 2, 2013. [Boeing source, PDF pages 10-16](#). [Boeing source](#).
- Phil Rutherford, "ISRA 009, Area II. ELV-1C (Non-hazardous, Radionuclides < LUT). Soil Sampling for Radionuclides and Waste Certification." Revision 2. April 2, 2013. [Boeing source, PDF pages 1-9](#). [Boeing source](#).
- Phil Rutherford, "ISRA 009, Area II. ELV-1C (California Hazardous, Radionuclides > LUT). Soil Sampling for Radionuclides and Waste Certification." Revision 1. April 2, 2013. [Boeing source, PDF pages 23-30](#). [Boeing sources](#).
- Phil Rutherford, "ISRA 009, Area II. ELV-1C (California Hazardous, Radionuclides < LUT). Soil Sampling for Radionuclides and Waste Certification." Revision 1. April 2, 2013. [Boeing source, PDF pages 17-22](#). [Boeing source](#).
- Phil Rutherford, "Nitrogen Depot. Area III. Document Review and Operations Certification." March 29, 2013.
- Phil Rutherford and Earl Sorrels, "Post Demolition. Building 4006. Area IV. Radiological Release Survey and Waste Certification." March 29, 2013.
- Phil Rutherford and Earl Sorrels, "Groundwater Extraction & Treatment System (GETS), Area I. BIRM Filtration Media - Containers 125928-125937). Sampling for Radionuclides and Waste Certification." March 26, 2013.
- Phil Rutherford, Letter to Vandana Kholi (CDPH-RHB), "Additional Information Supporting Request to Release Building 4100 for Unrestricted Use and Removal from License 0015-19. Docket 11212012-0015." March 25, 2013.
- Phil Rutherford and Earl Sorrels, "Area IV - Groundwater Purge Water - Container 125919. Radiological Release Survey and Waste Certification." March 20, 2013.
- Phil Rutherford and Earl Sorrels, "Area IV - 2013Q1 Groundwater Rinse and Purge Water - Container 125899. Radiological Release Survey and Waste Certification." March 13, 2013.
- Phil Rutherford and Earl Sorrels, "Piping, Area I. Radiological Release Survey and Waste Certification." March 13, 2013.



- Phil Rutherford and Earl Sorrels, "Mockup Flow Test Rig. Building 4006. Area IV. Radiological Release Survey and Waste Certification." March 13, 2013.
- Phil Rutherford, "ISRA 009, Area II. AP/STP-1C-1 (Non-hazardous, Radionuclides > LUT). Soil Sampling for Radionuclides and Waste Certification." Revision 1. March 12, 2013.
- Phil Rutherford, "ISRA 009, Area II. AP/STP-1C-1 (Non-hazardous, Radionuclides > LUT). Soil Sampling for Radionuclides and Waste Certification." Revision 0. March 12, 2013. [Boeing source, PDF pages 103-109.](#) [Boeing source.](#)
- Phil Rutherford and Earl Sorrels, "Vault Concrete and Metal Debris. Building 4006. Area IV. Radiological Release Survey and Waste Certification." March 7, 2013.
- Phil Rutherford, "Regulatory Release of Building 4009 and Disposal of Decommissioned Material." March 5, 2013. [DTSC source PDF pages 48-449](#)
- Phil Rutherford and Earl Sorrels, "RD-10 Concrete & Asphalt Debris, Area I. Radiological Release Survey and Waste Certification." March 4, 2013.
- Phil Rutherford, "Regulatory Release of Building 4055 and Disposal of Decommissioned Material." February 25, 2013. [DTSC source PDF Part 1 pages 50-156.](#) [DTSC source PDF Part 2 pages 1-279.](#)
- Phil Rutherford, "Regulatory Release of Building 4011 (Low Bay) and Disposal of Decommissioned Material." February 25, 2013. [DTSC source PDF pages 24-288.](#)
- Phil Rutherford and Earl Sorrels, "Skyline Sprinkler Piping, Area I. Radiological Release Survey and Waste Certification." February 20, 2013.
- Phil Rutherford and Earl Sorrels, "Nitrogen Depot. Area III. Radiological Release Survey and Waste Certification." February 18, 2013. [DTSC source PDF pages 11-40.](#)
- Phil Rutherford, "Release Criteria for Boeing Radiological Buildings in Area IV." Revision 0. February 14, 2013.
- Phil Rutherford, "Radiological Status of Boeing Buildings in Area IV." Revision J. February 13, 2013. [DTSC source PDF pages 300-303](#) [DTSC source PDF pages 11-14.](#)
- Phil Rutherford, "Regulatory Release of Building 4005 and Disposal of Decommissioned Material." February 13, 2013. [DTSC source PDF Part 1 pages 16-206](#) [DTSC source PDF Part 2 pages 4-83.](#)
- Phil Rutherford, "USEPA Data from the Surrounds of the 4005 Slab and Lot." February 13, 2013. [DTSC source PDF pages 85-91.](#)
- Phil Rutherford, "USEPA Data from the Surrounds of Building 4009." February 11, 2013. [DTSC source PDF pages 451-457.](#)
- Phil Rutherford, "USEPA Data from the Surrounds of Building 4055." February 11, 2013. [DTSC source PDF pages 294-301.](#)
- Phil Rutherford, "USEPA Data from the Surrounds of Building 4100." February 11, 2013. [DTSC Source PDF pages 364-372.](#)
- Phil Rutherford and Earl Sorrels, "Building 4011 (Telecom and Storage). Area IV. Post Demo Radiological Release Survey and Waste Certification." February 11, 2013.



- Phil Rutherford and Earl Sorrels, "Boeing GETS Resin, Area I. Containers 125938-125940 and 125944-125959. Radiological Release Survey and Waste Certification." February 8, 2013.
- Phil Rutherford, "Radiological Status of Boeing Buildings in Area IV." Revision I. February 6, 2013. [DTSC source PDF pages 174-177.](#)
- Phil Rutherford and Earl Sorrels. "GETS, Area I, Resin and Resin Waste Water. Container 126016. Radiological Release Survey and Waste Certification." February 4, 2013.
- Phil Rutherford, "Regulatory Release of L-85 and Disposal of Decommissioned Material." February 1, 2013. [DTSC source PDF pages 12-172.](#)
- Phil Rutherford and Earl Sorrels, "CTL-V, Area I. Water Piping. Radiological Release Survey and Waste Certification." Revision 1. January 25, 2013.
- Phil Rutherford and Earl Sorrels, "CTL-V, Area I. Plummer's Road Sprinkler. Radiological Release Survey and Waste Certification." Revision 1. January 25, 2013.
- Phil Rutherford and Earl Sorrels. "RMHF, Area IV. Power Repair Wiring. Radiological Release Survey and Waste Certification." January 24, 2013.
- Phil Rutherford. Letter to Zubaida Gulshan, California Department of Public Health, Radiologic Health Branch. "Renewal for Radioactive Material License 0015-19." SHEA-113010. January 16, 2013.
- Phil Rutherford and Earl Sorrels, "CTL-V, Area I. Water Piping Concrete Rubble. Radiological Release Survey and Waste Certification." January 10, 2013.

2012

- Phil Rutherford and Earl Sorrels, "ISRA ELV-1C Concrete & Piping Debris. Area II. Radiological Release Survey & Waste Certification." December 20, 2012.
- Phil Rutherford and Earl Sorrels, "Weather Station Post Demo. Area IV. Radiological Release Survey and Waste Certification." December 13, 2012. [DTSC source PDF pages 8-28.](#)
- Phil Rutherford, "Boeing ISRA IEL-3. Area I. Soil Sampling for Radionuclides. Waste Certification." Revision 2. December 11, 2012.
- Phil Rutherford, "DOE Comments on Draft Final Radiological Characterization of Soil." Draft. Submitted to USDOE. December 5, 2012.
- Phil Rutherford, "DOE Comments on Final Technical Memorandum – Look-up Table Recommendations." Draft. Submitted to USDOE. December 5, 2012.
- Phil Rutherford, "Boeing Comments on Draft Final Radiological Characterization of Soils and Final Technical Memorandum - Look-up Table Recommendations." Submitted to USEPA. November 30 2012.
- Phil Rutherford and Earl Sorrels, "Building 4006. Area IV. Radiological Release Survey and Waste Certification." November 30, 2012.
- Phil Rutherford, "Building 4006, Area IV. Document Review and Operations Certification." November 30, 2012. [DTSC source PDF page 16.](#)



- Phil Rutherford and Earl Sorrels. "Groundwater Well PPE Debris. Container 125687. Radiological Release Survey and Waste Certification." November 27, 2012.
- Phil Rutherford and Earl Sorrels, "Groundwater Extraction & Treatment System, Area I. Bag Filters (Container 125640). Radiological Release Survey and Waste Certification." November 26, 2012.
- Phil Rutherford. Letter to Steve Hsu, Section Chief, Licensing, California Department of Public Health, Radiologic Health Branch. "Request to Release 4100 for Unrestricted Use and Removal from License 0015-19." SHEA 112702. November 20, 2012. [DTSC Source PDF pages 199-293](#).
- Earl Sorrels and Phil Rutherford, "Final Status Survey Report for Area IV Building 4100 (Rooms 112, 113, 114 and the Annex), Santa Susana Field Laboratory, Ventura County, California", November 20, 2012. [DTSC Source PDF pages 200-293](#).
- Phil Rutherford and Earl Sorrels, "11th Street & Lots. Area IV. Radiological Release Survey and Waste Certification." November 20, 2012. [DTSC source PDF pages 179-197](#).
- Phil Rutherford, "USEPA Data from the Surrounds of the L-85 & 11th Street." November 20, 2012. [DTSC source PDF pages 199-206](#).
- Phil Rutherford, "ISRA 009. Area II. ELV-1C (Non-Haz Area). Soil Sampling for Radionuclides. Waste Certification." Revision 1. November 19, 2012.
- Phil Rutherford and Earl Sorrels, "Groundwater Extraction & Treatment System (GETS), Area I. Purolite Ion-exchange Resin (Containers 125798 - 125811). Radiological Release Survey and Waste Certification." November 19, 2012.
- Phil Rutherford and Earl Sorrels, "Water Tanks (Buildings 4701 and 4702). Area IV. Radiological Release Survey and Waste Certification." Revision 1. November 12, 2012. [DTSC source PDF pages 9-50](#). [DTSC source PDF pages 1-42](#).
- Phil Rutherford and Earl Sorrels, "Area I Sewage Lift Station. Site ID 125677. Radiological Release Survey and Waste Certification." November 9, 2012.
- Phil Rutherford and Earl Sorrels. "Release of Container 125732 - 2012Q4 GW Rinse Water." November 5, 2012.
- Phil Rutherford, "Standard Operating Procedures: Boeing Demolition Debris Characterization and Management: Amendment 1." November 1, 2012. [DTSC source PDF pages 23-24](#) [DTSC source PDF pages 23-24](#).
- Phil Rutherford, "Building 4011. Area IV. Non-radiological High-Bay. Document Review and Operations Certification." November 1, 2012. [DTSC source PDF page 173](#).
- Phil Rutherford and Earl Sorrels, "Under Slab Portions of Building 4015. Area IV. Radiological Release Survey and Waste Certification." October 25, 2012. [DTSC source PD pages 8-27](#).
- Phil Rutherford and Earl Sorrels, "Groundwater Extraction & Treatment System (GETS), Area I. Granular Activated Charcoal (Containers 125642 - 125652). Radiological Release Sampling & Survey. Waste Certification." October 24, 2012.
- Phil Rutherford and Earl Sorrels. "Vertical Test Stand I (VTS-I) Bolts, Area I. Radiological Release Survey and Waste Certification." October 24, 2012.



- Phil Rutherford, "Boeing Comments on the Draft Final Tech Memo for NBZ Sampling." Submitted to USEPA. October 16, 2012.
- Phil Rutherford and Earl Sorrels, "4314, 4814 & 4730 Slabs, Pads, Drive & Lot. Area IV. Radiological Release Survey and Waste Certification." October 16, 2012. [DTSC source PDF pages 13-31](#).
- Phil Rutherford, "4314, 4814 & 4730 Sites. Document Review and Operations Certification." October 16, 2012. [DTSC source PDF pages 9-11](#).
- Phil Rutherford, "USEPA Data from the Surrounds of the 4314, 4814 & 4730 Sites." October 16, 2012. [DTSC source PDF pages 33-39](#).
- Phil Rutherford and Earl Sorrels. "Groundwater Well Equipment WS-11 (Area III) & RD-04 (Area II). Radiological Release Survey and Waste Certification." October 11, 2012.
- Phil Rutherford and Earl Sorrels, "ISRA AP/STP Debris. Area II. Radiological Release Survey and Waste Certification." Revision 1. October 2, 2012.
- Phil Rutherford, "ISRA 009. Area II. AP/STP-1B, -1C-1, -1C-2 and -1E-2. Soil Sampling for Radionuclides. Waste Certification." Revision 1. September 27, 2012. [Boeing source, PDF pages 82-102](#). [Boeing source](#).
- Phil Rutherford, "Boeing Comments on the Draft Final Tech Memo for Deep Borehole Sampling." Submitted to USEPA. September 25, 2012.
- Phil Rutherford and Earl Sorrels, "Area I Piping. Radiological Release Survey and Waste Certification." Revision 1. September 18, 2012.
- Phil Rutherford, "USEPA Data from the Surrounds of Building 4006." September 18, 2012. [DTSC source PDF pages 2-14](#).
- Phil Rutherford, "USEPA Data from the Surrounds of Building 4011." September 18, 2012. [DTSC source DPH pages 290-298](#). [DTSC source PDF pages 163-171](#).
- Phil Rutherford and Earl Sorrels, "Building 4011 (Telecom & Storage). Area IV. Radiological Release Survey and Waste Certification." September 18, 2012. [DTSC source PDF pages 86-161](#).
- Phil Rutherford, "USEPA Data from the Surrounds of the Area IV Water Tanks." September 14, 2012.
- Phil Rutherford, "USEPA Data from the Surrounds of the Area IV Weather Station." September 14, 2012. [DTSC source PDF pages 50-56](#).
- Phil Rutherford and Earl Sorrels. "Release of Container 125658 - B/1300 ISRA Rinse Water." August 29, 2012. (Email)
- Phil Rutherford, "STP-3 Radiological Soil Data." Revision A. August 22, 2012. [DTSC source PDF pages 244-246](#).
- Phil Rutherford, "Boeing Comments on the Final Groundwater Report." Submitted to USEPA. August 13, 2012
- Phil Rutherford, "DOE Comments on the Draft Final Gamma Radiation Scanning Report." Submitted to USEPA. August 10, 2012.



- Phil Rutherford and Earl Sorrels, "Release of Containers 125492, 125592 and 12555 - GETS Bag Filters." August 7, 2012. (Email)
- Phil Rutherford and Earl Sorrels, "Release of Containers 125518 to 125527, 125533 & 125534 - GETS Granular Activated Carbon." August 7, 2012. (Email)
- Phil Rutherford, "DOE Comments on the Draft Final Tech Memo for Subarea 5A Round 1 Soil Sampling." Submitted to USEPA. August 6, 2012.
- Phil Rutherford and Earl Sorrels, "Water Tanks, Area IV. Radiological Release Survey and Waste Certification. Preliminary Data." August 6, 2012. [DTSC source PDF pages 10-22.](#)
- Phil Rutherford, "DOE Comments on the Draft Final Tech Memo for Subarea 5D Round 1 Soil Sampling." Submitted to USEPA. August 2, 2012.
- Phil Rutherford and Earl Sorrels. "Release of GETS PPE Used for Carbon Change-out - Container 125540." July 31, 2012.
- Phil Rutherford and Earl Sorrels. "Release of Container 125603 – Decon Water from 2012Q3 Area IV Groundwater Monitoring." July 27, 2012. (Email)
- Phil Rutherford and Earl Sorrels. "Release of Drum East of Area IV Water Tanks." July 27, 2012. (Email)
- Phil Rutherford and Jim Barnes. Letter to Zubaida Gulshan, Department of Public Health, Radiologic Health Branch. "Request for Renewal of Radioactive Material License 0015-19." SHEA-112179. July 17, 2012.
- Phil Rutherford and Earl Sorrels, "Helipad and Parking Lot, Area II. Radiological Release Survey and Waste Certification." July 5, 2012.
- Ning Liu and Phil Rutherford. Letter to John Jones (DOE). "NESHAPs Report for 2011." June 29, 2012. [DOE source.](#)
- Phil Rutherford and Earl Sorrels, "Weather Station. Area IV. Radiological Release Survey and Waste Certification." June 20, 2012. [DTSC source PDF pages 27-49.](#)
- Phil Rutherford and Earl Sorrels, "APTF, Area I (Phase II). Radiological Release Survey and Waste Certification." June 7, 2012.
- Phil Rutherford and Earl Sorrels. "Release of Object 8292-J." June 6, 2012. (Email)
- Phil Rutherford, "USEPA Data from the Surrounds of Building 4015." June 5, 2012. [DTSC source PDF pages 9-11.](#) [DTSC PDF pages 9-11.](#)
- Phil Rutherford and Earl Sorrels, "STP-3, Area III. Radiological Release Survey and Waste Certification (Post Demo). June 1, 2012. [DTSC source PDF pages 223-243.](#)
- Phil Rutherford, "Boeing Comments on Draft Final Groundwater Report." Revision B. Submitted to USEPA. May 30, 2012.
- Phil Rutherford and Earl Sorrels, "Release of Containers 125353, 125354, 125359, 125363 and 125364 - GETS Ion Exchange Resin." May 29, 2012.



- Phil Rutherford and Earl Sorrels, "Building 4015. Area IV. Radiological Release Survey and Waste Certification." May 21, 2012. [DTSC source PDF pages 23-52.](#)
- Phil Rutherford and Earl Sorrels, "Post Road Base Removal Soil Radiation Scan." May 18, 2012
- Phil Rutherford, "Boeing Comments on Draft Final Groundwater Report." Revision A. Submitted to USEPA. May 16, 2012.
- Phil Rutherford and Earl Sorrels, "Release of GETS Bag Filters – Container 125453." May 11, 2012.
- Phil Rutherford, "Building 4015. Area IV. Document Review and Operations Certification." May 10, 2012. [DTSC source PDF page 13.](#)
- Phil Rutherford and Earl Sorrels. "Release of Area IV GW Purge & Rinse Water – Container 125396." May 8, 2012. (Email)
- Phil Rutherford and Earl Sorrels, "Building 1300, Area I. Radiological Release Survey and Waste Certification." Revision 1. May 3, 2012. [DTSC source PDF pages 63-117.](#)
- Phil Rutherford, "Building 1300, Area I. Document Review and Operations Certification." April 25, 2012. [DTSC source PDF page 119.](#)
- Phil Rutherford, "Boeing Comments on Phase II Sediment Sampling Addendum 2012-03-22." Submitted to USEPA. March 28, 2012.
- Phil Rutherford. Email to Phil Retallick (Clean Harbors). "New Unused Clack BIRM Filter Media." March 15, 2012.
- Phil Rutherford, "Boeing Summary of EPA Soil Data." March 12, 2012.
- Phil Rutherford, "Boeing Statement on EPA Soil Data." March 12, 2012.
- Phil Rutherford, "Boeing Comments on Draft Final HSA 2012-02-01." Submitted to USEPA. February 7, 2012.
- Phil Rutherford and Earl Sorrels. "Release of 4133 Hillside Debris." February 6, 2012. (Email)
- Phil Rutherford, "Sewage Treatment Plant (STP-3). Area III. Document Review and Operations Certification." February 6, 2012. [DTSC source PDF page 97.](#)
- Phil Rutherford and Earl Sorrels, "STP-3. Area III. Radiological Release Survey and Waste Certification." February 6, 2012. [DTSC source PDF pages 47-95.](#)
- Phil Rutherford and Earl Sorrels, "Perimeter Pond Dam & Road, Area I. Radiological Release Survey and Waste Certification." January 31, 2012.
- Phil Rutherford, "2011 Audit of Radioactive Materials License WN-I005-1 and Puget Sound's Radiation Safety Program." January 26, 2012.
- Phil Rutherford and Earl Sorrels, "R1 Pond Structures, Area I. Radiological Release Survey and Waste Certification." January 23, 2012.
- Phil Rutherford and Earl Sorrels, "STP-3 E-Waste, Area III (Containers 125232 through 125238). Radiological Release Survey and Waste Certification." January 23, 2012.



- Phil Rutherford and Earl Sorrels. "Release of Wire from Area IV GW Trenching Activity." January 20, 2012. (Email)
- Phil Rutherford and Earl Sorrels. "Release of Containers 125199 thru 125202 - GETS Filtration Media Rinse Water." January 16, 2012. (Email)
- Phil Rutherford and Earl Sorrels. "Release of Containers 125184 thru 125194, 125203 and 125204 - GETS Filtration Media and Debris." January 13, 2012. (Email)
- Phil Rutherford, "Boeing Comments on the Radiological Trigger Level Technical Memorandum." Submitted to USEPA. January 13, 2012.

2011

- Phil Rutherford and Earl Sorrels. "Release of Containers 125184 thru 125194 and 125199 thru 125204 - GETS Filtration Media, Water, Debris." December 21, 2011. (Email)
- Phil Rutherford and Earl Sorrels, "Release of Containers 124986 and 124987 - Area I-IV GW Equipment Rinse-water." December 20, 2011. (Email)
- Phil Rutherford, "ISRA 009. AP/STP, Area II. Soil Sampling for Radionuclides. Waste Certification." Revision 0. November 7, 2011.
- Phil Rutherford and Earl Sorrels, "ISRA 009. Area I, B1 Concrete and Piping Debris. Radiological Release Survey and Waste Certification." Revision 0. October 27, 2011.
- Phil Rutherford, "Hydrogen Laboratory (aka Environmental Effects Laboratory) – Document Review and Certification of No Radiological Operations." October 20, 2011. [DTSC source PDF page 140.](#)
- Phil Rutherford, "USEPA Gamma Scan of the Surrounds of the Hydrogen Laboratory." October 6, 2011. [DTSC source PDF pages 131-138.](#)
- Phil Rutherford, "Preliminary Boeing Comments on the Radiological Background Study and Radiological Trigger Levels Meeting, 2011-09-28." October 3, 2011.
- MWH and Phil Rutherford, "Additional Boeing Comments on the Radiological Background Study Report." September 16, 2011.
- Phil Rutherford and MWH, "Boeing Comments on the Radiological Background Study Report." September 15, 2011.
- Phil Rutherford and Earl Sorrels, "CTL-1 Transformer, Area I. Radiological Release Survey and Waste Certification." September 14, 2011.
- Phil Rutherford and Earl Sorrels, "CTL-III Spillway. Area I. Radiological Release Survey and Waste Certification." September 7, 2011.
- Phil Rutherford, "Boeing Comments on HSA Technical Memorandum Subareas 7, 3 and NBZ." Submitted to USEPA. August 16, 2011.



- Phil Rutherford and Earl Sorrels, "Lot 1324, Area I. Radiological Release Survey and Waste Certification." July 25, 2011.
- Phil Rutherford and Earl Sorrels, "Groundwater Well Equipment. Radiological Release Survey and Waste Certification." Revision 1. July 25, 2011.
- Phil Rutherford and Earl Sorrels, "Hydrogen Laboratory Parking Lot. Area III. Radiological Release Survey and Waste Certification." July 1, 2011.
- Phil Rutherford and Earl Sorrels, "Sage Ranch Lot, Area I. Radiological Release Survey and Waste Certification." June 28, 2011.
- Phil Rutherford and Earl Sorrels, "CTL-III. Area I. Radiological Release Survey and Waste Certification." June 14, 2011. [DTSC source PDF pages 859-1032.](#)
- Phil Rutherford, "Boeing Comments on HSA Technical Memorandum Subarea 6." Revision B. Submitted to USEPA. June 12, 2011.
- Phil Rutherford, "Boeing Comments on HSA Technical Memorandum Subarea 6." Revision A. Submitted to USEPA. June 12, 2011.
- Phil Rutherford, "Boeing Comments on HSA Technical Memorandum Subarea 6." Submitted to USEPA. June 11, 2011.
- Ning Liu and Phil Rutherford. Letter to John Jones (DOE). "NESHAPs Report for 2010." May 26, 2011. [DOE source.](#)
- Phil Rutherford. Letter to Gonzalo Perez, Department of Public Health, Radiologic Health Branch. "Request for Amendment to Radioactive Material License 0015-19." SHEA-111120. May 4, 2011.
- Phil Rutherford, "Boeing Comments on HSA Technical Memorandum Subarea 5D." Submitted to USEPA. April 14, 2011.
- Phil Rutherford and Earl Sorrels, "Canyon, Area I. Radiological Release Survey and Waste Certification." Revision 1. April 10, 2011.
- Wilmer Hale LLP and Phil Rutherford, "Supplemental Declaration of Philip D. Rutherford in Support of Plaintiff The Boeing Company's Motion for Summary Judgement." SB 990 Lawsuit - The Boeing Company vs. DTSC. March 28, 2011. [DTSC source.](#)
- Phil Rutherford, "Boeing Comments on HSA Technical Memorandum Subarea 8." Submitted to USEPA. March 10, 2011.
- Phil Rutherford, Ning Liu, Earl Sorrels and A. Jahr, "CTL-V, Area I. Radiological Release Survey and Waste Certification." Revision 3. March 7, 2011. [DTSC source PDF pages 408-446.](#)
- Phil Rutherford, "CTL-V, Area I. Document Review and Operations Certification." February 21, 2011. [DTSC source PDF page 407.](#)
- Phil Rutherford, "Canyon, Area I. Document Review and Operations Certification." February 21, 2011. [DTSC source PDF page 69.](#)
- Phil Rutherford, "CTL-III, Area I. Document Review and Operations Certification." February 21, 2011. [DTSC source PDF page 1033.](#)



- Wilmer Hale LLP and Phil Rutherford, "Initial Expert Report of Philip D. Rutherford regarding the Santa Susana Field Laboratory Site." SB 990 Lawsuit - The Boeing Company vs. DTSC. January 21, 2011.

2010

- Phil Rutherford, "Deposition of Philip Rutherford. Non-confidential Portion." SB 990 Lawsuit - The Boeing Company vs. DTSC. December 13, 2010.
- Phil Rutherford, "Deposition of Philip Rutherford. Confidential Portion." SB 990 Lawsuit - The Boeing Company vs. DTSC. December 13, 2010.
- Phil Rutherford, "Boeing Review of Radiological Data in July 2, 2010 Kleinfelder Phase II Environmental Site Assessment for the Chatsworth Reservoir." Revision A. November 24, 2010.
- Phil Rutherford, "Boeing's Comments on Draft HSA Subarea 5B." Submitted to USEPA. November 18, 2010.
- Phil Rutherford, "ISRA 009, Area II Landfill. 2A and 2B. Soil Sampling for Radionuclides. Results and Statistical Analysis. Waste Certification." Revision 1. November 7, 2010.
- Phil Rutherford, "ISRA 009. Area I. B1-2 Stockpile. Soil Sampling for Radionuclides. Results and Statistical Analysis. Waste Certification." Revision 1. November 7, 2010. [Boeing source](#).
- Phil Rutherford, "ISRA 009. NASA LOX Plant. Soil Sampling for Radionuclides. Results and Statistical Analysis. Waste Certification." Revision 0. November 7, 2010.
- Wilmer Hale LLP and Phil Rutherford, "Plaintiff The Boeing Company's Response to Defendant's First Set of Interrogatories." SB 990 Lawsuit - The Boeing Company vs. DTSC. November 2, 2010.
- Phil Rutherford and Ryan Ford, "B1 Buried Pipe, Area I. Radiological Release Survey and Waste Certification." Revision 1. October 21, 2010. [Boeing source](#).
- Phil Rutherford "Boeing Comments on Area IV Radiological Survey Field Sampling Plan." Submitted to USEPA. October 7, 2010.
- Phil Rutherford, "ISRA 009. B1 Mercury Impacted Soil. Bin 5528. Soil Sampling for Radionuclides. Results and Statistical Analysis. Waste Certification." Revision 1. October 6, 2010.
- Phil Rutherford, "ISRA 009. B1 Mercury Impacted Soil. Bin 5860. Soil Sampling for Radionuclides. Results and Statistical Analysis. Waste Certification." Revision 1. October 6, 2010.
- Phil Rutherford, "ISRA 009. B1 Mercury Impacted Soil. Bin 5994. Soil Sampling for Radionuclides. Results and Statistical Analysis. Waste Certification." Revision 1. October 6, 2010.
- Phil Rutherford, "Culvert Maintenance. Containers 5982 and 6118. Soil Sampling for Radionuclides. Results and Statistical Analysis. Waste Certification." Revision 2. October 6, 2010.
- Phil Rutherford, "2010 Culvert Maintenance CM 3 thru 11. Bin 5952. Soil Sampling for Radionuclides. Results and Statistical Analysis. Waste Certification." October 5, 2010.
- Phil Rutherford, Boeing Response to DTSC Letter, "Review of ISRA Outfall 09 Radiological Waste Characterization Statistics." September 9, 2010.



- Phil Rutherford, "ISRA 009, AP/STP-1C-2. Soil Sampling for Radionuclides. Results and Statistical Analysis. Waste Certification." Revision 1. September 7, 2010.
- Phil Rutherford, "Boeing's Comments on Revised Draft for HSA Subarea 5C." Submitted to USEPA. August 27, 2010.
- Phil Rutherford, "ISRA 009. CTLI-1. Soil Sampling for Radionuclides. Results and Statistical Analysis. Waste Certification." Revision 2. August 24, 2010.
- Phil Rutherford, "ISRA 009. IEL-1. Soil Sampling for Radionuclides. Results and Statistical Analysis. Waste Certification." Revision 1. August 24, 2010.
- Phil Rutherford, "ISRA 009. IEL-2. Soil Sampling for Radionuclides. Results and Statistical Analysis. Waste Certification." Revision 1. August 24, 2010.
- Phil Rutherford, "ISRA 009, AP/STP-1A. Soil Sampling for Radionuclides. Results and Statistical Analysis. Waste Certification." Revision 0. August 23, 2010. [Boeing source.](#)
- Phil Rutherford, "ISRA 009, AP/STP-1B. Soil Sampling for Radionuclides. Results and Statistical Analysis. Waste Certification." Revision 0. August 23, 2010.
- Phil Rutherford, "ISRA 009, AP/STP-1C1. Soil Sampling for Radionuclides. Results and Statistical Analysis. Waste Certification." Revision 0. August 23, 2010.
- Phil Rutherford, "ISRA 009, AP/STP-1D. Soil Sampling for Radionuclides. Results and Statistical Analysis. Waste Certification." Revision 0. August 23, 2010. [Boeing source.](#)
- Phil Rutherford, "ISRA 009, AP/STP-1E1. Soil Sampling for Radionuclides. Results and Statistical Analysis. Waste Certification." Revision 0. August 23, 2010. [Boeing source.](#) [PDF pages 110-121.](#) [Boeing source.](#)
- Phil Rutherford, "ISRA 009, AP/STP-1E2. Soil Sampling for Radionuclides. Results and Statistical Analysis. Waste Certification." Revision 0. August 23, 2010.
- Phil Rutherford, "ISRA 009, AP/STP-1E3. Soil Sampling for Radionuclides. Results and Statistical Analysis. Waste Certification." Revision 0. August 23, 2010. [Boeing source.](#) [PDF pages 122-133.](#) [Boeing source.](#)
- Phil Rutherford, "ISRA 009, AP/STP-1F. Soil Sampling for Radionuclides. Results and Statistical Analysis. Waste Certification." Revision 0. August 23, 2010. [Boeing source.](#)
- Phil Rutherford, "ECL Septage. Area III. Sampling for Radionuclides. Results and Statistical Analysis. Waste Certification." August 19, 2010.
- Phil Rutherford, "ISRA 009. B1-1. Soil Sampling for Radionuclides. Results and Statistical Analysis. Waste Certification." Revision 2. August 18, 2010.
- Phil Rutherford, "ISRA 009. B1-2. Soil Sampling for Radionuclides. Results and Statistical Analysis. Waste Certification." Revision 2. August 18, 2010.
- Phil Rutherford and Ryan Ford, "CTL-III Trailer. Area I. Radiological Release Survey and Waste Certification." August 3, 2010.



- Phil Rutherford and Ryan Ford, “ECL Septic Tank. Area III. Radiological Release Survey and Waste Certification.” July 29, 2010.
- Phil Rutherford, “Northern Drainage. Soil Sampling for Radionuclides. Results and Statistical Analysis. Waste Certification.” Revision 1. July 21, 2010.
- Phil Rutherford, “Boeing Comments on Draft Quality Assurance Project Plan.” Submitted to USEPA. July 20, 2010.
- Kim Stollar and Phil Rutherford, Letter from Tom Gallacher to Andrew Taylor, “The Boeing Company’s Second Supplemental Response to U.S. EPA Supplemental Request for Information Pursuant to CERCLA Section 104(e): Santa Susana Field Laboratory, Ventura County, California.” SHEA-110162. July 15, 2010. [DTSC source](#).
- Phil Rutherford, “Appendix A. ISRA Waste Sampling for Radionuclides. ISRA Soil Management Plan.” July 10, 2010. [Boeing source, PDF pages 48-49](#).
- Phil Rutherford, “Bowl Area, Area I. Document Review and Certification.” July 9, 2010. [DTSC source PDF page 111](#).
- Phil Rutherford and Ryan Ford, “Bowl, Area I. Radiological Release Survey and Waste Certification.” Revision 1. July 7, 2010. [DTSC source PDF pages 67-110](#).
- Phil Rutherford, “ISRA 009 - B1-1. Soil Sampling for Radionuclides. Results and Statistical Analysis. Waste Certification.” Revision 1. July 2, 2010. [Boeing source](#).
- Phil Rutherford, “ISRA 009 - B1-2. Soil Sampling for Radionuclides. Results and Statistical Analysis. Waste Certification.” Revision 1. July 1, 2010. [Boeing source](#).
- Phil Rutherford, “ISRA 009 – CTLI-1. Soil Sampling for Radionuclides. Results and Statistical Analysis. Waste Certification.” Revision 1. June 29, 2010. [Boeing source](#).
- Phil Rutherford and Ryan Ford, “Service Road Debris, Area I. Radiological Release Survey and Waste Certification.” June 22, 2010.
- Phil Rutherford and Ryan Ford, “CTL-III Tanks. Area I. Radiological Release Survey and Waste Certification.” June 11, 2010.
- Phil Rutherford and Ryan Ford, “Utility Lines, Area I. Radiological Release Survey and Waste Certification.” June 3, 2010.
- Phil Rutherford and Ryan Ford, “Canyon, Area I. Radiological Release Survey and Waste Certification.” Revision 1. June 3, 2010. [DTSC source PDF pages 32-68](#).
- Phil Rutherford, “Hydrogen Laboratory (aka Environmental Effects Laboratory). Document Review and Certification of No Radiological Operations.” May 25, 2010.
- Phil Rutherford, “Release or Clearance Criteria for Cesium-137 in Soil.” May 19, 2010.
- “Boeing Responses to Public Review Comments. Standard Operating Procedures: Building Demolition Debris Characterization and Management.” May 19, 2010. (Contributor).
- Phil Rutherford, “Boeing Responses to Dan Hirsch Review Comments. Standard Operating Procedures: Building Demolition Debris Characterization and Management.” May 19, 2010.



- Phil Rutherford, "ISRA 009 - IEL-1. Soil Sampling for Radionuclides. Results and Statistical Analysis. Waste Certification." Revision 0. May 14, 2010. [Boeing source](#).
- Phil Rutherford, "ISRA 009 - IEL-2. Soil Sampling for Radionuclides. Results and Statistical Analysis. Waste Certification." Revision 0. May 14, 2010. [Boeing source](#), [PDF pages 68-80](#). [Boeing source](#).
- Wilmer Hale LLP and Phil Rutherford, "Supplemental Declaration of Philip D. Rutherford in Support of Plaintiff The Boeing Company's Motion for Summary Judgement." SB 990 Lawsuit - The Boeing Company vs. DTSC. May 6, 2010.
- Phil Rutherford and Ryan Ford, "Lead Shot from Northern Drainage. Waste Certification." May 5, 2010.
- Phil Rutherford, "Boeing Comments on Draft Groundwater Field Sampling Plan." Submitted to USEA. April 30, 2010
- Phil Rutherford, "Boeing Comments on Site Management Plan." Submitted to USEPA. April 29, 2010.
- Phil Rutherford, "Boeing Comments on Site Safety & Health Plan." Submitted to USEPA. April 28, 2010.
- Phil Rutherford and Ryan Ford, "Canyon Trestle, Area I. Radiological Release Survey and Waste Certification." Revision 1. April 27, 2010.
- Phil Rutherford, "Engineering Chemistry Laboratory (ECL). Area III. Document Review and Certification of No Radiological Operations." April 16, 2010. [DTSC source PDF page 98](#).
- Phil Rutherford, "ELV-1C West Interim Source Removal Action (ISRA). Soil Sampling for Radionuclides. Results and Statistical Analysis. Waste Certification." April 6, 2010.
- Phil Rutherford and Ryan Ford, "Old Hazardous Waste Yard. Area III. Radiological Release Survey and Waste Certification." March 26, 2010. [DTSC source PDF pages 43-97](#).
- Phil Rutherford, "Outfall 009 ELV-1D Drainage Interim Source Removal Action (ISRA). Soil Sampling for Radionuclides. Results and Statistical Analysis. Waste Certification." Revision 1. March 12, 2010.
- Phil Rutherford, "Radiation Screening Procedures for Non-radiological Buildings, Equipment and Debris. Appendix A to Standard Operating Procedures: Building Demolition Debris Characterization and Management." February 24, 2010. [DTSC source PDF pages 22](#) [DTSC source PDF pages 22](#).
- Phil Rutherford, "Northern Drainage. Soil Sampling for Radionuclides. Results and Statistical Analysis. Waste Certification." Revision 7. February 19, 2010.
- Wilmer Hale LLP and Phil Rutherford, "Declaration of Philip D. Rutherford in Support of Plaintiff The Boeing Company's Motion for Summary Judgement." SB 990 Lawsuit - The Boeing Company vs. DTSC. January 21, 2010.

2009

- Phil Rutherford and Ryan Ford, "Lead Shot from Northern Drainage. Waste Certification." Revision 1. December 14, 2009.
- Kim Stollar and Phil Rutherford, Letter from Kim Stollar to John Lyons, "The Boeing Company's Supplemental Response to U.S. EPA Request for Information Pursuant to CERCLA Section 104(e):



Santa Susana Field Laboratory, Ventura County, California.” December 10, 2009. [DTSC source](#).

- Phil Rutherford, “Boeing Comments on Draft Gamma Survey Sampling and Analysis Plan.” Submitted to USEPA. November 30, 2009.
- Phil Rutherford and Ning Liu, “CTL-V Lower Loop. Area I. Waste Certification.” Revision 1. November 18, 2009.
- Phil Rutherford and Ning Liu, “Old Property Yard, Area I. Waste Certification.” Revision 1. November 18, 2009.
- Phil Rutherford, “License Description.” November 17, 2009
- Phil Rutherford, “Happy Valley Interim Source Removal Action (ISRA). Soil Sampling for Radionuclides. Results and Statistical Analysis. Waste Certification.” Revision 4. November 9, 2009. [Boeing source](#).
- Phil Rutherford, “Happy Valley Interim Source Removal Action (ISRA). Septic Tank Water Sampling for Radionuclides. Waste Certification.” November 2, 2009. [Boeing source](#).
- Phil Rutherford, “Interim Source Removal Action (ISRA) Outfall 009 Soil Disposal.” Revision A. October 7, 2009.
- Phil Rutherford, “Happy Valley Interim Source Removal Action (ISRA). Soil Sampling for Radionuclides. Results and Statistical Analysis. Waste Certification.” Revision 3. September 25, 2009. [Boeing source](#).
- Phil Rutherford, “Area II Landfill Interim Source Removal Action (ISRA). Soil Sampling for Radionuclides. Results and Statistical Analysis. Waste Certification.” Revision 0. September 21, 2009. [Boeing source](#).
- Phil Rutherford, “Disposal of ISRA Outfall 009 Soil to a Class 1 Hazardous Waste Landfill.” Letter to Gary Butner, California Department of Public Health, Radiologic Health Branch. September 11, 2009. [Boeing source](#).
- Phil Rutherford, “Outfall 009 Interim Source Removal Action (ISRA). Soil Sampling for Radionuclides. Results and Statistical Analysis. Waste Certification.” Revision 5. September 11, 2009.
- Phil Rutherford, “Happy Valley Interim Source Removal Action (ISRA). Soil Sampling for Radionuclides. Results and Statistical Analysis. Waste Certification.” Revision 2. September 2, 2009. [Boeing source](#).
- Kim Stollar, Phil Rutherford and Kathleen Wong, Letter from Tom Gallacher to Andrew Taylor, “Response of The Boeing Company to U.S. EPA Request for Information Pursuant to CERCLA Section 104(e): Santa Susana Field Laboratory, Ventura County, California.” SHEA-109001. August 20, 2009. [DTSC source](#).
- Phil Rutherford, “Outfall 009 Interim Source Removal Action (ISRA). Soil Sampling for Radionuclides. Results and Statistical Analysis. Waste Certification.” Revision 0. August 18, 2009.
- Phil Rutherford and Ning Liu, “Hydrogen Laboratory. Area III. Waste Certification.” August 17, 2009. [DTSC source PDF pages 122-130](#).



- Phil Rutherford and Ning Liu, "Northern Drainage. Field Screening Survey of Solid Debris." August 13, 2009.
- Phil Rutherford and Ning Liu, "Building 1412, Area I. Waste Certification." August 13, 2009.
- Phil Rutherford and Ning Liu, "Northern Drainage. Field Screening Survey of Soil Containers. Waste Containers." Revision 1A. July 23, 2009.
- Phil Rutherford and Ning Liu, "Building 1309, Area I. Waste Certification." July 17, 2009.
- Phil Rutherford, "Boeing Comments on Sampling and Analysis Plan, Radiological Background Study." June 29, 2009.
- Phil Rutherford and Ning Liu, "Pod 2C, Area I. Waste Certification." June 22, 2009.
- Phil Rutherford and Dave Hickman, "APTF, Area I (Phase I). Waste Certification." June 15, 2009.
- Phil Rutherford, "Boeing Response to the Report "Cancer Incidence in the Community Surrounding the Rocketdyne Facility in Southern California"." Revised. March 28, 2009.
- Phil Rutherford, "Northern Drainage Shooting Range. Soil Sampling for Radionuclides. Results and Statistical Analysis. Waste Certification." Revision 15. February 6, 2009.

2008

- Phil Rutherford and Dave Hickman, "Northern Drainage Shooting Range. Field Survey of Solid Debris. Waste Certification." Revision 6. November 12, 2008.
- Phil Rutherford, "Plutonium-238 at Brandeis-Bardin." July 29, 2008. [DOE source](#).
- Phil Rutherford, Dave Hickman and Jim Barnes, "Northern Drainage, Shooting Range Radiation Survey." Revision B. July 10, 2008.
- Phil Rutherford, "Area I Burn Pit Radiological Characterization Procedure." Revision O. March 26, 2008.
- Phil Rutherford, "Implementation of SB 990 as a Condition of Land Transfer." Revision A. February 18, 2008.

2007

- Phil Rutherford and Ning Liu, "Northern Drainage Waste Sampling for Radionuclides. Results and Statistical Analysis. Waste Certification." December 21, 2007.
- Phil Rutherford and Dave Hickman, "Northern Drainage Waste. Field Survey of Solid Debris. Waste Certification." December 12, 2007.
- Phil Rutherford, "Attachment 3. Northern Drainage Waste Sampling for Radionuclides. Attachment 3 to Northern Drainage Work Plan." Revision 9. November 5, 2007.
- P. D. Rutherford, "Radiological Release Process. Process for the Release of Land and Facilities for (Radiologically) Unrestricted Use." Revision C. September 17, 2007. [DOE source](#).



- P. D. Rutherford, "Technical Feasibility of Using Soil Cleanup Standards Based On a 1-in-a-million Risk Level for Agricultural Land Use." One-page summary. September 13, 2007.
- P. D. Rutherford, "Position of The Boeing Company on SB 990 (Kuehl)." Revision A. September 10, 2007.
- P. D. Rutherford, "Linear No Threshold Model of Radiation Risk." Revision A. September 10, 2007.
- P. D. Rutherford, "Background Radiation." Revision A. September 10, 2007.
- P. D. Rutherford, "Statement of The Boeing Company on SB 990 (Kuehl)." September 7, 2007.
- Phil Rutherford, "Sodium Reactor Experiment (SRE) Accident." Revision D. July 2, 2007. Source: [DOE source](#).
- P. D. Rutherford, "Boeing Response to the University of Michigan Report - Cancer Incidence in the Community Surrounding the Rocketdyne Facility in Southern California." Revised. June 4, 2007.
- P. D. Rutherford, "Statement of The Boeing Company to the Assembly Environmental Safety & Toxic Materials Committee on SB 990 (Kuehl)." June 4, 2007.
- P. D. Rutherford, "Statement of The Boeing Company to the Senate Environmental Quality Committee on SB 990 (Kuehl)." April 13, 2007.
- Phil Rutherford, "Boeing Response to the Report "Cancer Incidence in the Community Surrounding the Rocketdyne Facility in Southern California"." Revision 0. March 26, 2007.
- P. D. Rutherford, "Position of the Boeing Company on SB 990 (Kuehl)." March 12, 2007.
- P. D. Rutherford, "Technical Feasibility of Detecting Radionuclide Contamination in Soil at a 10^{-6} Risk Level for Agricultural Land Use." Revision A. March 6, 2007.

2006

- P. D. Rutherford, "Radiological Characterization Procedure - Area I Burn Pit." December 21, 2006.
- P. D. Rutherford, "Area I Burn Pit Radiation Screening Procedures for Interim Measures Excavation." December 8, 2006.
- Phil Rutherford, Ray McGinnis, Dave Hickman and Ning Liu, "Preliminary Area I Burn Pit Radiation Survey Data Package." Revision B, December 8, 2006.
- P. D. Rutherford, "Shipments of Decommissioned Material to Kettleman Hills." November 11, 2006. Source: [DOE source](#)
- P. D. Rutherford (editor and major contributor), "Boeing's Comments on the SSFL Advisory Panel Reports." SHEA-104497. November 3, 2006. Source: [DOE source](#).
- Phil Rutherford, "Summary of State Cancer Studies." October 9, 2006.
- P. D. Rutherford (editor and major contributor), "Boeing's Comments on UCLA's Report – The Potential for Off-site Exposures Associated with the Santa Susana Field laboratory, Ventura County, California." (Cohen Study). SHEA-104330. September 29, 2006. Source: [DOE source](#).



- P. D. Rutherford, “Radiological Screening Procedures – Area I Burn Pit.” August 16, 2006.
- Phil Rutherford and Dan Trippeda, “RMHF Slope Remediation.” SHEA-103682. [DOE source](#).
- Phil Rutherford, “Sodium Reactor Experiment (SRE) Accident.” Revision C. March 23, 2006. [DOE source](#).
- Phil Rutherford, “Effect of Using the True Variability in Baseline Cancer Rates.” February 3, 2006.

2005

- P. D. Rutherford, “Synopsis – Biological Effects of Ionizing Radiation (BEIR) VII – Health Risks from Exposure to Low Levels of Ionizing Radiation.” October 17, 2005. [DOE source](#).
- P. D. Rutherford, “Radiation Risk in Area IV of the Santa Susana Field Laboratory.” September 19, 2005.
- P.D. Rutherford, “Santa Susana Field Laboratory - Chronology of Radiological Operations (1954 to 2005).” September 14, 2005.
- Sapere Consulting Inc. and The Boeing Company, “Historical Site Assessment of Area IV, Santa Susana Field Laboratory, Ventura County, California.” May 2005. (Contributor).
 - Appendix A. Area IV Radiological Background Data. (Author). [DOE source PDF pages 70-76](#).
 - Appendix B. Derived Concentration Guideline Levels for Soil. (Author). [DOE source PDF pages 77-83](#).
 - Appendix C. Radionuclides of Concern. (Author). [DOE source PDF pages 84-85](#).
- Phil Rutherford, “Runkle Canyon Soil Sampling.” Revision A. March 12, 2005.
- Phil Rutherford. Letter to Elizabeth Crawford, Administrative Assistant to Supervisor Linda Parks. “Sodium Reactor Experiment (SRE) Original Accident Release Data.” 2005RC0202. SHEA-101161. January 21, 2005. [DOE source](#).
- Phil Rutherford. Letter to the Board of Supervisors of Ventura County. “Response to the Exponent Review of the Ahmanson EIR.” 2005RC0147. January 20, 2005.

2004

- Phil Rutherford. Letter to Stephen Hsu, Radiologic Health Branch, California Department of Health Services. “Disposition of the Building 4626 Concrete Pad and request for Approval to Ship to Kettleman Hills.” 2004RC03521. SEA-100988. December 20, 2004.
- Phil Rutherford. Letter to Elizabeth Crawford, Administrative Assistant to Supervisor Linda Parks. “Sodium Reactor Experiment (SRE) Accident Releases.” 2004RC02805. SHEA-100635. September 29, 2004. [DOE source, PDF pages 4-5](#).
- P. D. Rutherford (editor), “Nuclear Safety Features for the Jupiter Icy Moons Orbiter (JIMO) Trade Design Studies.” Boeing Report PWD03-0323, Rev. A. September 17, 2004.



- P. D. Rutherford (editor), “Credible Accident Scenarios for the Jupiter Icy Moons Orbiter (JIMO) Trade Design Studies.” Boeing Report PWDM03-0325, Rev. A. September 17, 2004.
- P. D. Rutherford (editor), “Nuclear Safety Assessment for the Jupiter Icy Moons Orbiter (JIMO) Trade Design Studies.” Boeing Report PWDM03-0326, Rev. A. September 17, 2004.
- P. D. Rutherford (editor), “Space System Safety Test and Analysis Program for the Jupiter Icy Moons Orbiter (JIMO) Trade Design Studies.” Boeing Report PWDM03-0327, Rev. A. September 17, 2004.
- P. D. Rutherford (editor), “Approach to Compliance with AEA Requirements for the Jupiter Icy Moons Orbiter (JIMO) Trade Design Studies.” Boeing Report PWDM04-0171. September 17, 2004.
- P. D. Rutherford, Nuclear Safety Section and Worker Health & Safety Section of “System Safety Approach for the Jupiter Icy Moons Orbiter (JIMO) Trade Design Studies.” Boeing Report PWDM04-0172. September 17, 2004.
- Nuclear Safety and Worker Health & Safety Input to the “Boeing Jupiter Icy Moons Orbiter (JIMO) Project Proposal.” July 16, 2004.
- P. D. Rutherford, “Position of The Boeing Company on SB 1456 (Kuehl) - Requirement for SSFL to Comply with CERCLA Prior to Sale.” A Boeing Report. March 18, 2004.

2003

- Phil Rutherford. “Radiological Considerations in the Demolition of the 4059 Vault.” December 19, 2003.
- Phil Rutherford, “Radiological Operations and Cleanup at the De Soto Facility.” June 12, 2003. [DOE source](#).
- P. D. Rutherford, “Radioactivity Sampling of Landfills.” A Boeing Report. April 23, 2003.
- P. D. Rutherford, “Position of The Boeing Company on SB 415 (Kuehl) – Disclosure of Risk During Property Transfer.” A Boeing Report. April 17, 2003.
- P. D. Rutherford, “Position of The Boeing Company on SB 201 (Romero) – Transfer of DHS Authority to DTSC.” A Boeing Report. April 17, 2003.
- P. D. Rutherford, “Position of The Boeing Company on SB 208 (Kuehl) – Zero Risk Goal for Santa Susana Field Laboratory.” A Boeing Report. April 11, 2003.
- P. D. Rutherford, “Position of The Boeing Company on SB 13 (Romero) – Landfill Disposal.” A Boeing Report. April 11, 2003.
- U.S. Department of Energy, “Environmental Assessment for Cleanup and Closure of the Energy Technology Engineering Center.” March 2003. (Major Contributor)
 - Appendix E. Soil Sampling Data (Author). [DOE source](#), [DOE source PDF pages 101-108](#).
 - Appendix G. ALARA Principal (Author). [DOE source](#), [PDF pages 111-116](#).

**2002**

- Phil Rutherford. Letter to Ed Bailey, Radiologic Health Branch, California Department of Health Services. "Timely Response to Boeing's Written Communication with the Radiologic Health Branch." 2002RC-2789. November 25, 2002.
- P. D. Rutherford, "Potassium-40 in Food." August 9, 2002.
- P. D. Rutherford, "Radiation Risk – The Linear No Threshold Model and Opposing Views." A Boeing Report. August 9, 2002.
- P. D. Rutherford, "Technical Feasibility of Detecting Radionuclide Contamination at the 10^{-6} Risk Level." A Boeing Report. July 30, 2002.
- P. D. Rutherford, "Some Absurdities in California Legislation." A Boeing Report. July 10, 2002
- P. D. Rutherford, "Boeing Statement of Opposition to SB 1444, SB 1970 and SB 2065" given as testimony at the California Assembly Environmental Safety and Toxic Materials Committee hearing. June 25, 2002.
- P. D. Rutherford, "Comments on EPA Table - *A Comparison of DOE and Approved Cleanup Levels for ETEC, 10^{-6} Residential Levels and Background levels.*" June 17, 2002.
- P. D. Rutherford, "Boeing Position Statement opposing SB 1444, SB 1623 and 2065" provided to the California Senate Health & Human Services Committee - Informational Hearing on Low Level Radioactive Waste. June 6, 2002.
- B. Jameson and P. D. Rutherford, "White Paper – Recent Los Angeles City Council Resolution on Landfills." A Boeing Report. May 2, 2002.
- P. D. Rutherford, "Boeing Statement of Opposition to SB 1444" given as testimony at the California Senate Environmental Quality Committee Hearing. April 22, 2002.
- P. D. Rutherford, "Radiological Cleanup at the Santa Susana Field Laboratory." Boeing Statement given as testimony at the April 16, 2002 Los Angeles City Council Environmental Quality and Waste Management Committee, regarding landfill disposal of construction debris. April 16, 2002.
- P. D. Rutherford, "Disposal of Building Debris to Landfills", Letter to the California Integrated Waste Management Board. April 15, 2002.
- P. D. Rutherford, "Background Radiation." A Boeing Report. April 12, 2002.
- P. D. Rutherford, "Compliance with Radiological Requirements Pertaining to Waste Disposal in the State of California." A Boeing Report. March 19, 2002.
- P. D. Rutherford, "Position of The Boeing Company on 2002 State of California Legislation Pertaining to Radiation Safety." March 2002.
- P. D. Rutherford, "Radiation Risk. A Critical Look at Real and Perceived Risks of Radiation Exposure." February 11, 2002.
- Phil Rutherford, "Historical Radiological Activities at Building 038 (Vanowen Building)." January 15, 2002. [DOE source](#).

**2001**

- Phil Rutherford. Letter to Steven Hsu, Radiologic Health Branch, California Department of Health Services. "Building 4059 Demolition." 2001RC4634. SHEA-094531. December 21, 2001.
- Phil Rutherford. Letter to Steven Hsu, Radiologic Health Branch, California Department of Health Services. "Request for Approval to Ship Soil from SRE to a Landfill." 2001RC-03454. SHEA-094124. September 25, 2001. [DOE source](#).
- P. Liddy and P. D. Rutherford, "Radiation Survey of the Downey Facility." Boeing Report RS-00019. May 7, 2001. [DOE source](#).
- P. D. Rutherford, "Radiological Release Process. Process for Release of Facilities and Land for Radiologically Unrestricted Use." A Boeing Report. February 12, 2001.
- Phil Rutherford. Letter to Steve Hsu, Radiologic Health Branch, California Department of Health Services. "Building 4059, SNAP Ground Prototype Test Building. Santa Susana Field Laboratory. Phase I Release for Unrestricted Use." 2001RC-505. SHEA-092218. February 8, 2001.
- Phil Rutherford. Letter to Steve Hsu, Radiologic Health Branch, California Department of Health Services. "Area 4020, Santa Susana Field Laboratory. Release for Unrestricted Use." February 8, 2001.
- P. D. Rutherford, "Brush Fires and SSFL." A Boeing Report. January 11, 2001.

2000

- P. D. Rutherford, "Potassium-40 and salt Substitute. Facts and Figures." July 18, 2000.
- P. D. Rutherford and J. G. Barnes, "Response to Questions on Non-Radiological Waste Disposal." A Boeing Report. June 29, 2000
- P. D. Rutherford, "Compliance with Radiological Requirements Pertaining to Waste Disposal in the State of California." A Boeing Report. June 29, 2000.
- Phil Rutherford. Letter to Steve Hsu, Radiologic Health Branch, California Department of Health Services. "17th Street Drainage Area, Santa Susana Field Laboratory. Release for Unrestricted Use." June 20, 2000.
- P. D. Rutherford, "Factsheet – Santa Susana Field Laboratory - Radiological Cleanup and Monitoring Program." A Boeing Report. June 2000.
- P. D. Rutherford, "Radiological History of the Sodium Disposal Facility." Revision A. A Boeing Report. April 25, 2000. [DOE source](#).
- Phil Rutherford. "Rocketdyne Response to ORISE Comments on RS-00006, Area 4020, Final Status Survey Procedure." April 4, 2000.



- Phil Rutherford. "Rocketdyne Response to ORISE Comments on RS-00008, Building 4059, Final Status Survey Report (Phase I)." April 4, 2000.
- Phil Rutherford. "Rocketdyne Response to ORISE Comments on RS-00001, Building 4059, Phase I Final Status Survey Procedure." April 4, 2000.
- Phil Rutherford. Letter to Michael Lopez, Department of Energy. "17th Street Drainage Area, Final Status Survey Report. RS-00009. Revision A. Santa Susana Field laboratory." 2000RC-1209. March 16, 2000.
- Phil Rutherford. Letter to Michael Lopez, Department of Energy. "ORISE Verification Surveys of Building 4059 (Phase I), Building 4133, and the 17th Street Drainage Area, Santa Susana Field Laboratory." 2000RCXXXX. SHEA-XXXXX. March 15, 2000.
- Phil Rutherford. Letter to Michael Lopez, Department of Energy. "Response to ORISE Comments on Final Status Survey Procedures for B/4059 Phase I, B/4020 and the 17th Street Drainage Area, and Final Status Survey Reports for B/4059 Phase I and 17th Street Drainage Area." 2000RCXXXX. SHEA-XXXXX. March 15, 2000.
- Phil Rutherford. "Rocketdyne Response to ORISE Comments on RS-00009, "17th Street Drainage Area, Final Status Survey Report." March 15, 2000.
- Phil Rutherford. "Rocketdyne Response to ORISE Comments on RS-00005, "17th Street Drainage Area, Final Status Survey Procedure." March 15, 2000.
- P. D. Rutherford, "Position Paper - Trailers Donated to the Shandon School District and Wildlife Waystation." A Boeing Report. February 21, 2000
- P. D. Rutherford, "Position Paper - Building Demolition and Disposal." A Boeing Report. February 21, 2000
- P. D. Rutherford and W. Schaeppi, "A Radiological Survey of Trailers at Shandon High School." A Boeing Report. February 15, 2000
- P. D. Rutherford, W. Schaeppi and R. Garrett, "A Radiological Survey of Trailers at the Wildlife Waystation." A Boeing Report. February 15, 2000
- P. D. Rutherford and W. Schaeppi, "A Radiological Survey of Trailers at Profile Industries." A Boeing Report. February 15, 2000

1999

- P. D. Rutherford, "Rocketdyne Propulsion & Power. Santa Susana Field Laboratory. A Chronology of Nuclear Operations." A Boeing Report. October 12, 1999.
- P. D. Rutherford, "Statement to the BEIR VII Committee on the Rocketdyne Worker Health Study." A Boeing Report. September 29, 1999.



- P. D. Rutherford, "DTSC Inquiry of DHS." A Boeing Report. September 1, 1999.
- Phil Rutherford. Letter to Steve Hsu, Radiologic Health Branch, California Department of Health Services. "Request for Concurrence for Release of DOE Building 4019, Santa Susana Field Laboratory." July 28, 1999.
- P. D. Rutherford, "Radiation Cleanup Standards. A Position Paper." A Boeing Report. June 10, 1999.
- P. D. Rutherford, "Summary of State Cancer Studies." Submitted to Robert Harrison, Head, Occupational Health Branch, California Department of Health Services. May 26, 1999.
- Phil Rutherford. Letter to Steve Hsu, Radiologic Health Branch, California Department of Health Services. "Release of Area 4064 at the Santa Susana Field Laboratory." April 14, 1999.
- Phil Rutherford. Letter to Steve Hsu, Radiologic Health Branch, California Department of Health Services. "Release of Facility 4654 (Interim Storage Facility) at the Santa Susana Field Laboratory." March 19, 1999.
- P. D. Rutherford and R. J. Tuttle, "Approved Site-wide Release Criteria for Remediation of Radiological Facilities at the SSFL." Boeing Report N001SRR140131, February 18, 1999. [DOE source](#).
- Phil Rutherford. Letter to Steve Hsu, Radiologic Health Branch, California Department of Health Services. "Two-phased Site Release Approach to B/059 at Rocketdyne's SSFL." 99RC0722. February 3, 1999.

1998

- J. G. Barnes and P. D. Rutherford, "Radiation Survey Meter, Ludlum Model 177, Calibration Procedure." Boeing Report N002ICP630078, October 22, 1998.
- J. G. Barnes and P. D. Rutherford, "Radiation Survey Meter, Ludlum Model 12 and Model 3, Calibration Procedure." Boeing Report N002ICP630034, October 22, 1998.
- P. D. Rutherford, "Bell Canyon Soil Sampling. Radionuclide Analysis." Revision A (Draft). A Boeing Report. October 6, 1998.
- Phil Rutherford. Letter to David Wesley, Radiologic Health Branch, California Department of Health Services. "Request to Remove Building 020 (Hot Lab) from Rocketdyne's Radioactive Materials License 0015-19." 98RC3601. SHEA-016205. September 3, 1998.

1997

- P. D. Rutherford, "Point-by-point Rebuttal of the Advisory Panel Statement on the UCLA Rocketdyne Worker Health Study." SSFL Radiation Safety web site. 1997.



- P. D. Rutherford, "Critique of the Internal Dose Analysis of the Rocketdyne UCLA Worker Health Study." SSFL Radiation Safety web site. 1997.
- Phil Rutherford. Letter to Tom Kelly (USEPA). "SSFL Area IV Radiological Characterization Survey - Response to Comments." 97RC3192. SHEA-000781. June 5, 1997. [DOE source](#).
- Phil Rutherford, "Summary of State Cancer Studies." Submitted to Peggy Reynolds, Head, Epidemiology Branch, California Department of Health Services. March 25, 1997.
- Phil Rutherford. Letter to Gerard Wong, Department of Health Services, Radiologic Health Branch. "Request for Release for Use Without Radiological Restrictions, Rocketdyne SSFL Building T363." March 10, 1997.

1996

- Phil Rutherford, "Summary of State Cancer Studies." Submitted to Ed Bailey, Chief, Radiologic Health Branch, California Department of Health Services. October, 1996.
- Phil Rutherford and Lori Circle. "Environmental Update. Area IV Radiological Characterization Survey Study." September 1996. [DOE source](#).
- Phil Rutherford. Letter to Michael Weber, Low Level Waste and Decommissioning Projects Branch, Nuclear Regulatory Commission. "Termination of NRC License SNM-21." 96RC5441. August 23, 1996.
- P. D. Rutherford (Editor), F. E. Dahl and R. J. Tuttle, "Area IV Radiological Characterization Survey", Rockwell International Report A4CM-ZR-0011, August 15, 1996. [DOE source](#).
- Phil Rutherford (Contributor). "Factsheet - Speaking of The Santa Susana Field Laboratory - The Former Sodium Disposal Facility." Number 3. August 1996.
- Phil Rutherford. Letter to Gerard Wong, Radiologic Health Branch, California Department of Health Services. "Demolition and Disposal of Structural Material from Building T064 at SSFL." 96ETEC-DRF-0413. July 30, 1996.
- Phil Rutherford. Letter to Gerard Wong, Radiologic Health Branch, California Department of Health Services. "Former Sodium Disposal Facility. Request for Release for Unrestricted Use and Removal from Radioactive Material License 0015-70." May 15, 1996.
- Phil Rutherford. Letter to Richard Turtill, Low Level Waste and Decommissioning Branch, Nuclear Regulatory Commission. "Request for Termination of USNRC Special Nuclear Material License SNM-21. Background Information on the Status of Additional Facilities." 96RC-02960. April 24, 1996.
- Phil Rutherford. Letter to Richard Turtill, Low Level Waste and Decommissioning Branch, Nuclear Regulatory Commission. "Request for Termination of USNRC Special Nuclear Material License SNM-21." 96RC-02047. March 15, 1996.



- Phil Rutherford. Letter to Gerard Wong, Radiologic Health Branch, California Department of Health Services. "Disposal of Construction Materials from Rockwell International Hot Laboratory (RIHL) from Broad Scope License 0015-70." 96RC-01348. February 15, 1996
- Phil Rutherford. Letter to Richard Turtill, Low Level Waste and Decommissioning Branch, Nuclear Regulatory Commission. "Request for Termination of USNRC Special Nuclear Material License SNM-21." 96RC-00293. February 2, 1996.

1995

- Phil Rutherford. Letter to Ben Kapel, Radiologic Health Branch, California Department of Health Services. "Request for Release of Building 009 for Unrestricted Use and Approval to Dispose of Concrete from Building 009 – License 0015-70." 95RC-06780. October 26, 1995.
- Phil Rutherford and Lori Circle. "Factsheet - Speaking of The Santa Susana Field Laboratory - Area IV Radiological Characterization Study." Number 2. August 1995. [DOE source](#).
- D. C. Gibbs and Phil Rutherford. Letter to Jim Davis, Department of Energy. "Release of Buildings 064, 028, 029, 023 and OCY." 95ETEC DRF 0605. July 7, 1995.
- Phil Rutherford. Letter to Mike Lopez, Department of Energy. "Buildings 030, 019 and 654." 95ETEC DRF 0608. July 6, 1995.
- Phil Rutherford. Letter to Ed Bailey, Radiologic Health Branch, California Department of Health Services. "Release of Bldgs. 029, 028 and OCY." 95ETEC DRF 0607. July 6, 1995.
- Phil Rutherford. Letter to Ed Bailey, Radiologic Health Branch, California Department of Health Services. "ORISE Report of the Building 059 Reactor Vault." 95ETEC DRF 0606. July 5, 1995.
- Phil Rutherford (Contributor). "Factsheet - Speaking of The Santa Susana Field Laboratory - An Environmental Overview." Number 1. July 1995.

1994

- Phil Rutherford, Letter to West Hills Homeowner. "Soil Sampling Results for Private West Hills Residence." 94RC-04879. July 8, 1994.
- Phil Rutherford. Letter to Chatsworth Homeowner. "Soil Sampling Results for Private Chatsworth Residence." 94RC-03157. June 8, 1994.

1993

- Phil Rutherford and Jim Barnes. Letter to California Department of Health Services, Radiologic Health Branch. "Renewal of Broad Scope "A" Radioactive Materials License #0015-70." 93RC-07189. August 4, 1993



1992

- P. D. Rutherford, "Sodium Disposal Facility Closure - Radiological Acceptance Criteria For Soil Segregation", Rockwell International Report 886-XT-0001, February 25, 1992.

1991

- P. D. Rutherford, "Definition and Designation of Radioactive Material Management Areas (RMMAs)", Rockwell International Report N001TI000339, September 15, 1991.
- R. J. Tuttle and P. D. Rutherford, "Procedure for Surveying and Releasing Non-Radioactive Waste from Radiological Facilities", Rockwell International Report N001OP000034, August 23, 1991.

1990

- P. D. Rutherford. Letter to Charles J. Haughney, Fuel Cycle Safety Branch, Division of Industrial and Medical Nuclear Safety, Nuclear Regulatory Commission. "Rockwell International Corporation's Responses to the Interveners' Concerns Pertaining to the SNM-21 License Renewal, Docket 70-25." 90RC05239. April 19, 1990.
- P. D. Rutherford, "Rockwell Responses to the Interveners' Concerns Pertaining to the SNM-21 License Renewal Request." Volumes I and II (Exhibits). Public Hearing Proceedings under Nuclear Regulatory Commission Administrative Judge Peter Bloch). Rockwell International Report RI/RD90-146. April 19, 1990.

1989

- T. E. Dix, P. D. Rutherford and R. Amar, "Review and Evaluation of the Probabilistic Risk Assessment of the Galileo Launch", Rockwell International Report RI/RD89-XXX, September 1989.
- P. D. Rutherford and D. S. Burgess, "Dynamic Isotope Power System (DIPS) Reliability Program Plan", Rockwell International Report DIPS-0007-02, February 17, 1989.

1988

- P. D. Rutherford, "The SUPRA Code - Selectable Uncertainty Propagation in Risk Analysis", Rockwell International Report 149CPM000002, November 9, 1988.
- P. D. Rutherford, "Dynamic Isotope Power Subsystem Engineering Unit Flight System Design Report (Section E. Reliability)", Rockwell International Report ER-00021, October 14, 1988.
- P. D. Rutherford and D. S. Burgess, "Reliability Assessment of the Dynamic Isotope Power System (DIPS) Engineering Unit Conceptual Design", Rockwell International Report ER-00022, September 30, 1988.
- P. D. Rutherford and D. S. Burgess, "Dynamic Isotope Power Subsystem Design Report - Lockheed Option (Section 3.6. Reliability)", Rockwell International Report ER-00018, September 1988.



- P. D. Rutherford and D. S. Burgess, "Dynamic Isotope Power Subsystem Design Report - Grumman Option (Section 3.6. Reliability)", Rockwell International Report ER-00017, September 1988.

1987

- P. D. Rutherford, "Probabilistic Risk Assessment of the SAFR Plant", Appendix C of the SAFR Preliminary Safety Information Document, Rockwell International Report AI-DOE-13527, Revision 13, September 1987.
- W. Kastenbergh and P. D. Rutherford, "Plant Investment Protection Assessment - An Economic Risk Model for the SAFR Plant", Rockwell International Report 149TI1000027, September 1987.
- R. D. Rogers and P. D. Rutherford, "Chernobyl Impact Assessment", Rockwell International Report 149ER000014, June 29, 1987.

1985

- P. D. Rutherford, "Tornado Design Bases for the SAFR Plant", Appendix D of the SAFR Preliminary Safety Information Document, Rockwell International Report AI-DOE-13527, Revision 5, 1985.
- P. D. Rutherford and E. Larson, "Large Scale Prototype Breeder, LSPB-Pool - Reliability/Availability Analysis", Rockwell International Report CDS 300-3P, August 1985.
- P. D. Rutherford and P. Nourjah, "Probabilistic Risk Analysis of the SAFR Plant", Rockwell International Report 149TI000007, July 25, 1985.
- P. D. Rutherford, "Reliability of the Safety Systems of the Secure Military Power Plant (SMPP)", Rockwell International Report RI/RD85-132, 1985.
- P. D. Rutherford, "Reliability Sections of the Final Design Report of the Secure Military Power Plant (SMPP)", Rockwell International Report AI-DOE-13509, 1985.
- P. D. Rutherford, "Reliability Analysis of the SAFR Shutdown Heat Removal System", Rockwell International Report, 149TI000005, March 1985.
- P. D. Rutherford, "Reliability Analysis of the SAFR Shutdown System", Rockwell International Report 149TI000003, February 1985.

1984

- P. D. Rutherford, "The SUPRA Code - Selectable Uncertainty Propagation in Risk Analysis", Rockwell International Report N707TI130079, September 15, 1984.
- P. D. Rutherford and E. Larson, "Large Scale Prototype Breeder (LSPB) - Reliability/Availability Analysis", Rockwell International Report CDS 300-3, Revision 2, September 1984.



- P. D. Rutherford, "A Determination of the Degree of Correlation Between Common-Cause Failures in Diverse Systems", Rockwell International Report N707TI130081, August 24, 1984.
- P. D. Rutherford, "Reliability Analysis of the LSPB Shutdown System", Rockwell International Report N323TI000125, January 15, 1984.

1983

- P. D. Rutherford, "Reliability Analysis of the LSPB Shutdown Heat Removal System", Rockwell International Report N323TI000118, September 15, 1983.
- P. D. Rutherford, "LSPB Reliability/Availability Task Status Report", Rockwell International Report N323TI000117, August 15, 1983.
- P. D. Rutherford, "Recommendations for LMFBR Safety Improvements Based on an Evaluation of 1979-1981 U.S. Light-Water Reactor Operating Experience", Rockwell International Report N707TI130075, June 29, 1983.
- R. Crosgrove and P. D. Rutherford, "Availability and Safety-Related Reliability of the All-Water Storage, High-Power Assembly Cleaning Concept", Appendix B of "Evaluation of Water Storage of Spent Fuel for LSPB", Rockwell International Report N323TI000110, March 31, 1983.

1982

- G. Berg, K. Buttrey, P. D. Rutherford and E. Vaughan, "Final Report of the Sodium Fire Task Force", Rockwell International Report, September 1982.
- C. W. Griffin, J. Otter, R. Paschall, P. D. Rutherford and E. Vaughan, "Rocky Flats Plant Probabilistic Risk Assessment - Uncertainty Evaluation for Building 707", Rockwell International Report N011TI000017, August 25, 1982.
- P. D. Rutherford, "LMFBR Lessons Learned from LWR Operating Experience", Rockwell International Report N707TI130067, June 7, 1982.
- P. D. Rutherford, "Clinch River Breeder Reactor Plant (CRBRP) Steam Generator Module Common-Cause Failure Analysis", Rockwell International Report N036RAR130002, June 7, 1982.
- P. D. Rutherford, "Major Core Damage Accident Evaluation", Rockwell International Report N707TI130066, March 24, 1982.

1981

- P. D. Rutherford, "Nuclear Plant Operating Experience", Rockwell International Report N100TI000016, September 30, 1981.
- P. D. Rutherford and E. Larson, "LMFBR Conceptual Design Study - Reliability/Availability Analysis", Rockwell International Report CDS 300-3, Revision 1, September 1981.



- P. D. Rutherford and E. Larson, "LMFBR Conceptual Design Study - Reliability/Availability Analysis", Rockwell International Report CDS 300-3, Revision 0, March 1981.

1980

- P. D. Rutherford, "User's Guide for the CACECO Containment Analysis Code - An Update", Rockwell International Report N100TI310006, September 16, 1980.

1979

- P. D. Rutherford, "Users Guide for the SIMMER II LMFBR Disrupted Core Analysis Code", Rockwell International Report N100TI310004, September 1979.

1978

- P. D. Rutherford and J. M. Hudson, "Interpretation and Flexibility of the Licensing Branch Criterion", South African Atomic Energy Board Report, January 1978.

1977

- P. D. Rutherford and K. J. Campbell, "A Preliminary Study of the Koeberg "A" Licensability Based on WASH 1400 Methodology", South African Atomic Energy Board Report, June 1977.
- W. Gibbons and P. D. Rutherford, "Preliminary Reactor Physics Assessment of the Koeberg PSAR", South African Atomic Energy Board Report, May 1977.

1976

- P. D. Rutherford, "Source Lists for the Codes COFF (Calculation of Fuel Failure) and DICE (Distribution of Iodine in Core Evaluation)", South African Atomic Energy Board Report LB/35/5/13/1, May 1976.
- P. D. Rutherford, "Quantification of I-131 Release", South African Atomic Energy Board Report LB/35/5/24/4, February 1976.

1975

- P. D. Rutherford, "Transient Analysis for the Shoreham Power Plant Final Safety Analysis Report (FSAR)", General Electric Company, Nuclear Energy Division Report, January 1975.
- P. D. Rutherford, "Analysis of Turbine Trip for the Shoreham Power Plant", General Electric Company, Nuclear Energy Division Report, January 1975.

1974

- P. D. Rutherford, "Analysis of Vessel Overpressure Protection for the Shoreham Power Plant", General Electric Company, Nuclear Energy Division Report, December 1974.



- P. D. Rutherford, "Analysis of Main Steam Isolation Valve Closure Without Scram", General Electric Company, Nuclear Energy Division Report, October 1974.
- P. D. Rutherford, "Analysis of Critical Control Rod Patterns in the Startup Range for the Chinshan-1 Reactor", General Electric Company, Nuclear Energy Division Report, September 1974.
- P. D. Rutherford, "Analysis of the Core-Average Delayed Neutron Fractions and Decay Constants for the Chinshan-1 Reactor", General Electric Company, Nuclear Energy Division Report, August 1974.
- P. D. Rutherford, "Analysis of the Core-Average Neutron Generation Time for the Chinshan-1 Reactor", General Electric Company, Nuclear Energy Division Report, August 1974.
- P. D. Rutherford, "Analysis of Relative Control Rod Worth at 20 deg C for the Chinshan-1 Reactor", General Electric Company, Nuclear Energy Division Report, July 1974.
- P. D. Rutherford, "Analysis of Localized Critical Control Rod Configuration for the Chinshan-1 Reactor", General Electric Company, Nuclear Energy Division Report, July 1974.
- P. D. Rutherford, "Analysis of the Cold Shutdown Margin for the Chinshan-1 Reactor", General Electric Company, Nuclear Energy Division Report, June 1974.
- P. D. Rutherford, "Analysis of the Continuous Control Rod Withdrawal Accident for the Chinshan-1 Reactor", General Electric Company, Nuclear Energy Division Report, June 1974.
- P. D. Rutherford, "Analysis of the Core-Average Doppler Coefficient for the Chinshan-1 Reactor", General Electric Company, Nuclear Energy Division Report, May 1974.
- P. D. Rutherford, "Analysis of the Core-Average Void Coefficient for the Chinshan-1 Reactor", General Electric Company, Nuclear Energy Division Report, May 1974.
- P. D. Rutherford, "Design Basis Control Rod Drop Accident Analysis for the Fermi-2 Reactor", General Electric Company, Nuclear Energy Division Report, April 1974.

1973

- P. D. Rutherford, "Protective Systems for the SAFARI 1 Research Reactor", South African Atomic Energy Board Report, June 1973.

1972

- P. D. Rutherford, "Analog Simulation of Self-Limiting Super-Prompt Critical Transients in Power Reactors", Thesis submitted in partial fulfillment of the degree of Master of Science in Nuclear Engineering, Department of Physics, University of Birmingham, October 1972.
- P. D. Rutherford and E. D. A. Hopper, "Flux Depression and Self-Shielding in Indium Foils", Department of Reactor Physics, University of Birmingham, May 1972.



- P. D. Rutherford and E. D. A. Hopper, "Sigma Pile Flux Distributions - Measurement of Diffusion Length and Extrapolation Length", Department of Reactor Physics, University of Birmingham, March 1972.

1969

- P. D. Rutherford, "Investigation of Thin Film Copper Deposition using the High Voltage Sputtering Technique", Ferranti Valve Laboratory Report, September 1969.