

MS 16

P-5

Hi Marie.

The enclosed letters are responses from Solutient to your recent inquiries. Dr. Steven Pruitt will still be the project manager and will hopefully be onsite after July 1, 2002. Dr. Raymond Holmes will be the onsite interim project manager. His resume is enclosed.

If you should need anything else, please get in touch with me.

Very Truly Yours,



Larry Harmon,
Plant Manager

37-00030-02
030-05980

130955

NMSS/RGNI MATERIALS-002
REC'D IN LAT MAY 31 2002

Larry Harmon

From: John Kowal [jkowal@nb.net]
Sent: Tuesday, May 28, 2002 11:02 AM
To: Lharmon@Safetylight. Com
Cc: Steve Pocock
Subject: Project Manager Status Response



Holmes Resume.doc

Larry:

In response to the NRC's concern over the potential changes in project management, Steve Prewett has had surgery recently but is expected to fully recover and be back to work full time by July 1st. Currently, Steve is maintaining his oversight role as project manager on similar projects from his home, while maintaining constant communication to the designated site personnel on those projects.

We understand the necessity to have this project staffed as planned, and due to Steve's intimate knowledge of the overall project scope, it would be a disadvantage to completely remove him from any oversight role prior to his returning to service full time. Therefore, we feel it is imperative that we designate Ray Holmes as the interim project manager that would be at the site (resume attached), and Ray will be completely briefed on the project scope and work plan requirements. Steve will continue as the designated Project Manager overall, and around the beginning of July, Steve Prewett may resume his originally planned role as site Project Manager at the facility. Additionally, it is also important to note that this project will also see other key personnel involved in the startup and first few weeks of work; Les Cole, CHP, and Brad Squibb, Solutient's radiation safety officer.

If you or any agency needs additional information, please contact me.

John Kowal
SOLUTIENT TECHNOLOGIES, LLC
(412) 885-7434

Larry Harmon

From: John Kowal [jkowal@nb.net]
Sent: Tuesday, May 28, 2002 10:27 AM
To: Lharmon@Safetylight. Com
Subject: FW: FW: REQUEST FOR ADDITIONAL INFORMATION ON THE

-----Original Message-----

From: Rayseyesonly@aol.com [mailto:Rayseyesonly@aol.com]
Sent: Friday, May 17, 2002 4:34 PM
To: jkowal@nb.net
Subject: Re: FW: REQUEST FOR ADDITIONAL INFORMATION ON THE

John , I have researched the answer to Section 5.7 i.e. para 6 and discussed it with W Dornseiff at WCS. I contacted Marie Miller at NRC and agreed the following:

Delete the penultimate sentence i.e. "Items found to have levels of radioactive materials below the default DCGL for unconditional release will be treated as hazardous waste". Replace this sentence with:

" Items and materials determined to be not contaminated with radioactivity above minimum detectable levels will be treated as potentially hazardous waste"

Please forward to the appropriate personnel.

05/28/2002

Solutient Technologies

Dr. RAYMOND E. HOLMES. C.PHYS., F.INST.P., F.INST.NUC.E., FSRP, CHP

A. EDUCATION

B.Sc. (Zoology Honors Course) UCSW, UK

MSRP - (Health Physics) SRP, London

Post Graduate Diploma of Health and Radiation Safety (MS equivalence) - NELP London

Ph.D. - Health Physics - Dublin, Eire.

C.Phys. - Chartered Physicist - IOP London

F.Inst.P. - Fellow of the Institute of Physics - London

F.Inst.Nuc.Eng. - Fellow of the Institute of Nuclear Engineers - London

FSRP - Fellow of Society of Radiological Protection - London

CHP - Certificate of Applied Health Physics - SRP London

CHP - Certificate to Practice Health Physics- Institute of Physics and Engineering in Medicine and Biology - London

B. EXPERIENCE

EMPLOYMENT CHRONOLOGY

SOLUTIENT TECHNOLOGIES – SEPTEMBER 2000 TO PRESENT

Chief Scientist – Directs and monitors project status advises on technical issues.

BHE ENVIRONMENTAL, INC. - MARCH 1997 TO SEPTEMBER 1999

In 1997, Ray Holmes joined BHE as Technical Director. In this capacity, he is responsible for managing BHE's Radiological Services Group, developing strategic alliances, and for regulatory and client interfacing.

Introduced BHE to the FUSRAP Program through an on-going contract with a major Pension Group – the First Management Group - where he carries responsibility for the management of radiological risk in all their properties. This includes a major site in St. Louis, Missouri, which is regulated under the FUSRAP program. At this site, acted as Program Manager for major maintenance and development of an operating tenant factory, which is regulated under CERCLA/SARA. Included in this work was the design and construction of radioactive storage structures for the containment of more than 6000 cubic yards of LLRW. The site is contaminated with high levels of Th-230. Directed health physics personnel, and was responsible for the calculation and approval of dose detriment for each of the site workers, and for preparation of the dose detriment and remedial activity reports. Acted as the client's liaison with regulatory agencies, and was responsible for negotiations with, and obtaining approval from DOE and MDNR for the remedial work plan prior to implementation. Oversight responsibilities for this site through an active program of remediation is on going.

Appointed as radiological advisor to the USACE for the River Valley School Site in Marion, Ohio, in their investigation of the potential link between Ra-226 and an alleged leukemia cluster among students.

Provided major technical support to the BHE Marketing Group in the development of their status as a credible small business in the Federal Business Sector. This has included participation in Washington as a technical expert on FUSRAP for discussions between the USACE and its stakeholders.

ALLIED TECHNOLOGY GROUP – August 1995 to March 1997

Senior Corporate Vice President responsible to the CEO for management and development of the Waste Management Division, the Radiological Remediation Division, and the Radiological Operation Division. The services managed included waste compaction, vitrification, decontamination, and field remediation.

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NUCLEAR ENERGY SERVICES (NES) – September 1994 to July 1995

National Director of Nuclear and Mixed Waste Services and Director of Midwest Regional Services. Achievements included the establishment of a Regional Facility with a major industrial client base, including the personal Program Management of environmental assessment and remediation services to CSX Transportation and a Basic Ordering Agreement to the Bechtel Corporation for Remediation Services at the Savannah River Facility.

KEMRON ENVIRONMENTAL SERVICES – August 1993 to August 1994

National Director of Nuclear and Mixed Waste Services, Director of Midwest Region Consulting Services. Progressed a Midwest Regional business comprising three facilities from loss to profit. Services managed included Cultural Resources, NEPA services, Site Investigation and Characterization, Remedial Design, Remedial Contracting, and Chemical Analytical Laboratories.

HALEY & ALDRICH – August 1992 to September 1993

Vice President for Hazardous Materials and Remediation Services. Responsible for the expansion of an established geotechnical corporation into hazardous waste consulting services. Introduced quantitative risk evaluation into nuclear and mixed waste projects.

KAI TECHNOLOGIES GROUP – July 1991 to August 1992

Senior Vice President for R.F. technology development and application. Introduced R.F. technology into mixed waste remediation. Awarded a U.S. patent for the application of this technology to drummed mixed waste.

ENSR CORPORATION - 1983 -1991

Appointed initially as Vice President to ERT with responsibility to develop ERT from a primarily Air Quality Services Corporation to a Hazardous Wastes Consulting Service Corporation. ERT progressed until approximately 70% of business was hazardous materials based. At this juncture, ERT achieved Public Corporation status, and Ray Holmes was appointed Senior Vice President and Chief Engineer with responsibility for Remediation Services. In addition to building a national network of approximately 2000 employees. The work required Program Manager for major clients involving expert witness and litigation services, and acted as Technical Editor for the production of the ENSR CERCLA/SARA and RCRA Handbooks. Major programs personally managed included:

- Metallurg Corporation - Management of environmental risk in the production of specialist alloys.
- Goodyear Corporation - Management of RCRA Program from Tire Manufacturing facilities.
- Lonestar Industries - Management of liability and assets from a business combining cement production and landfill.
- Olin Corporation - Program Management of environmental impacts in international property and business acquisitions and sales.
- Environmental Services to the Office of Governor of Puerto Rico - Design and leadership of measurements and evaluations to determine mass psychogenic disturbance causing extensive hospitalization of workers at the Industrial Estate at Mayaguez and elsewhere.

ERCO CORPORATION - 1980 - 1983

Vice President with responsibility of transferring appropriate European Environmental Technology to the USA to build ERCO from an environmental engineering group to a Remediation Service Group. Introduced quantitative risk methodology from UK experience into evaluation of the risks of heavier-than-air volatile organics with Cabot Corporation, and nuclear risks through projects at Gulf Atomic.

PPC CONSULTING SERVICES / PPC INTERNATIONAL 1971 - 1983

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Managing Director of a corporation providing technical and management services to the Waste Treatment and Disposal Companies in Europe and the USA. Personal appointments were held as Technical Director with NEI PLC and as Technical Director to Leigh Industries PLC.

Major Programs managed during this period included:

- The Harwell Hazardous Waste Advisory Service for the UKAEA.
- Development for Leigh Industries of industrial waste treatment and alternate disposal facilities to their deep mine disposal system, which initially comprised more than 50% of their business. Of commercial significance were the development of Sealosafe (which was marketed commercially as "Stablex"), chemical detoxification for cyanide wastes, waste oil chemical/thermal recovery units, automobile tire pyrolysis, and liquid/sludge waste incineration.
- Retention by Wimpey Waste Management (WWM) to audit the acquisition of waste disposal corporations and to advise on the restructuring.
- Retained by the PEEL Group to design, build, and provide on-site technical control of their industrial and commercial waste landfill business.
- Retained by PEEL and BIFFA to design, develop, install, and commission landfill systems with associated hardware, to optimize recovery of landfill gas for electrical production for sale to the National Grid.
- Training Program for the National Association of Waste Disposal Contractors.
- Decommissioning of the Nuclear Submarine Dockyard at Chatham, Kent, UK, for Rolls Royce.
- Audit of the BNFL Radioactive Waste Landfill at Drigg.
- Audit and risk management of radiological and chemical risks at the Re-Chem International UK Incinerators that included medical wastes.
- Retained as a consultant by the UK CEGB as advisor on U.S. technology in low level radwaste treatment, transport and storage.
- Retained by NIREX for technical evaluation of shallow landfill of low level radwastes.
- Development of the FLAIR Program for the real time determination of risk from the discharge of fluorides in overheating accidents in Aluminum Production.
- Development of the IFAL Program for the quantification of risk in accidents within petroleum refineries for Lloyds Technical Bureau, London.
- Radiological risk evaluation for the conceptual design of a Generic Low Level Radioactive Waste Storage Facility for NIREX.
- Assessment of radiological and chemical risk for designs of submarine radioactive waste storage depositories for Sir Robert McAlpine Group.
- Chief Researcher for the EEC on a Study of the Comparability of Chemical and Nuclear Risks Commission of European Communities EUR6417 1980.
- Expert witness services for hazardous and radioactive pollution litigation.

ASSOCIATED NUCLEAR SERVICES (ANS): ATOMIC POWER CONSTRUCTIONS (APC):

UNITED POWER COMPANY (UPC): UK ATOMIC ENERGY AUTHORITY (UKAEA) – prior to 1971

- As a partner of Associated Nuclear Services Project, managed nuclear installations in Australia, Bucharest, and Chile. Prior to this, responsible as Chief Health Physicist to the APC/UPC Board for operator, public and environmental safety for Nuclear Power Plants including Trawsfynydd, Wales, and Tokai Mura, Japan. Introduced quantitative risk methodology into operational control in non-accident conditions. Member of the Working Parties developing standardized methods for radiation shielding. Initial post-graduate research was with the UKAEA Atomic Weapons Research Establishment. Research included health effects with enriched uranium, plutonium, and tritium, with lung retention modeling and the field evaluation of thyroid iodine accumulation in the presence of other fission products. UK Technical Secretary for the Tripartite Agreement between USA, UK, and Canada on the exchange of Nuclear Data.
- Design and construction of nuclear research and manufacturing facilities:

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Polonium/Beryllium Initiator Manufacturing Building Nominated as the Health Physicist to the Engineering Design and Construction Oversight Team that constructed the facilities defined below. Responsibilities included the design and testing of ventilation and containment systems, liquid and air effluent treatment facilities, the selection and testing of finishes for contamination control, personnel distribution systems, change room and equipment monitoring and decontamination systems, radwaste control systems and, where appropriate, criticality and external dose rate control design features. Facilities included:

- Depleted Uranium Tamper Casting and Machining Plants
 - Enriched Uranium Component Manufacturing Plant
 - Plutonium Component Manufacturing Facility
 - Tritium Component Manufacturing Facility
- Nuclear Weapon Component Transport:
 - Development of Emergency Response Systems for Transport Accidents involving Weapon Components
 - Supervision of International Transport of Weapons Components
 - Nuclear Weapons and Related Experience:

Acted as Field Health Physicist in Weapon and Weapon component tests in Maralinga, Australia, and Christmas Island in the Pacific with tests involving conventional explosive dispersion, in addition to fission dispersion. Measurement programs included neutron and gamma dose, radioactive iodine determinations, equipment and personnel decontamination, and Phase 1 decommissioning of test facilities.

C. Raymond E. Holmes is a hands-on engineer and scientist with more than thirty years of international experience in the determination of health risks and the environmental impact of chemical and nuclear pollution, and in the practice of optimal remediation. The first twenty years, based in Europe, encompassed a comprehensive range of academic, industrial and government applications. Residency in the USA in 1980 facilitated senior technical management positions and consultant appointments to a wide range of national and international environmental corporations. Mr. Holmes has many years of experience in working with all federal agencies of the USNRC and USEPA as well as various state agencies.