

Position Description (PD) for Yucca Mountain Lead Lab Activities

SAND2007-7171P

Position Description Number	YM207	
Creation Date of PD	Revised 10/11/07	
Job Title	DOE Legal Team Liaison	
SNL Dept Name	Licensing Department	
SNL Org Number (or TBD)	06783	
Number of Openings	1	
Description of Position	<p>The DOE Legal Team Liaison is the primary point of contact between the Lead Laboratory and DOE's Office of General Counsel, and its Legal Support Contractors, Hunton & Williams and Morgan Lewis. The DOE Legal Team Liaison will establish and maintain regular communications with DOE's Legal Team, especially as to issues that are arising in developing and writing the License Application, and its supporting technical products. Similarly, DOE's Legal Team will communicate any concerns it may have as to the development and writing of those portions of the License Application that are the responsibility of the Lead Lab integration with other Project participants. License Application, and its supporting technical products to the DOE Legal Team Liaison. In both cases, open communications will enable a prompt and quality action plan to be jointly developed to resolve the issue satisfactorily.</p> <p>The DOE Legal Team Liaison is responsible for determining, with the concurrence of the Licensing Integration Office Manager, the type(s) and level(s) of support to be provided by the License Defense Assessment Group to the DOE Litigation Support Contractor for the conduct of the licensing hearing(s) and the selection and training of expert witnesses. In addition, the DOE Legal Team Liaison and the DOE Legal Team will keep each other informed of any regulatory/legal-related activities of the Lead Lab and DOE.</p>	
Required Skills & Experience	10 or more years of experience in interacting with both technical and legal staff in a highly regulated nuclear waste disposal environment. Thorough knowledge of the NRC licensing process and associated regulations and guidance; excellent written and oral communications skills; experience in regulatory compliance activities associated with the licensing of nuclear waste facilities.	
Desired Skills & Experience (if applicable)		
Required Education (Degrees & Levels)	Juris Doctorate and an advanced technical degree.	
Desired Education (Degrees & Levels - if applicable)		
Full Time Position? (Y/N)	Y	
Job Requires lifting 35+ Pounds (Y/N)	N	
Desired Start Date	10/15/07	
Can this position accommodate...		
Part Time Employees? (Y/N)	Telecommuting? (Y/N)	Foreign Nationals? (Y/N)

Please Select All Related WBS Elements for this PD
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WBS Elements of 1.5.02		
1.5.02.01	License Integration	X

Position Description (PD) for Yucca Mountain Lead Lab Activities

Position Description Number	YM208	
Creation Date of PD		
Job Title	LA Validation Team Lead	
SNL Dept Name	Licensing Integration Office	
SNL Org Number (or TBD)	6783	
Number of Openings		
Description of Position	<p>The lead for the Phase IV Completeness and Accuracy (LA Validation) review requires extensive experience with the preparation of licensing and other regulatory documents similar in nature and scope to the YMP License Application. This individual has knowledge of the YMP LA as well as the requirements for identifying material statements in regulatory documents and the process for ensuring the completeness and accuracy.</p> <p>The LA Validation Team Lead has experience and demonstrated ability to lead a team of technical experts in performing complex tasks under challenging conditions. Excellent written and verbal communication skills as well as demonstrated ability for efficient and timely issue resolution are a must.</p>	
Required Skills & Experience	The LA Validation Team Lead has considerable demonstrable experience on program execution in highly regulated environments.	
Desired Skills & Experience (if applicable)		
Required Education (Degrees & Levels)	A graduate degree in science or engineering or equivalent experience.	
Desired Education (Degrees & Levels - if applicable)		
Full Time Position? (Y/N)		
Job Requires lifting 35+ Pounds (Y/N)		
Desired Start Date	10/1/07	
Can this position accommodate...		
Part Time Employees? (Y/N)	Telecommuting? (Y/N)	Foreign Nationals? (Y/N)

Please Select All Related WBS Elements for this PD
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WBS Elements of 1.5.02		
1.5.02.02	License Application	X

Position Description (PD) for Yucca Mountain Lead Lab Activities

Position Description Number	YM209
Creation Date of PD	
Job Title	License Application (LA) Postclosure Material Statement Validation Support
SNL Dept Name	Licensing Integration Office
SNL Org Number (or TBD)	
Number of Openings	1
Description of Position	<p>The LA Material Statement Validation Support Staff will assist the Material Statement Validation Team Leader and Material Statement Validation staff in accomplishing the mission of the License Defense Group, which includes, but is not limited to: (1) identification and evaluation of potential vulnerabilities that could become licensing issues; (2) the development and recommendation of action plans to avert or mitigate the impact of those vulnerabilities; (3) the recommendation of action plans to allow the effective and timely resolution and mitigation of LA programmatic impacts (e.g., technical credibility, cost, and schedule) of unexpected issues that may arise in the future; (4) validation of material statements in the Post Closure portion of the Safety Analysis Report (SAR).</p>
Required Skills & Experience	Demonstrated experience (at least 10 years) in supporting Department of Energy Nuclear Waste Programs, including, but not limited to, technical and regulatory aspects of nuclear waste disposal; support to activities contributing to the preparation of licensing applications and supporting documentation; responding to requests from technical managers and regulatory agencies; strict compliance with quality assurance procedures; and performing and documenting the results of research on various aspects of license applications. Applicant must also be able to effectively translate the voluminous technical material into needed documentation and records packages required to support license application in order to support interface activities.
Desired Skills & Experience (if applicable)	
Required Education (Degrees & Levels)	
Desired Education (Degrees & Levels - if applicable)	
Full Time Position? (Y/N)	Y
Job Requires lifting 35+ Pounds (Y/N)	N
Desired Start Date	10/1/06

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WBS Elements of 1.5.02	
1.5.02.02	License Application

Position Description (PD) for Yucca Mountain Lead Lab Activities

Position Description Number	YM210	
Creation Date of PD		
Job Title	Legacy Software Team Lead	
SNL Dept Name	Licensing Integration Office	
SNL Org Number (or TBD)	6783	
Number of Openings	1	
Description of Position	The Legacy Software Team is part of the License Defense Assessment Group within the Lead Laboratory's Licensing Integration Department. The Legacy Software Team Lead is responsible for managing the Lead Laboratory's activities in support of license defense in the (1) identification and evaluation of potential vulnerabilities in the Project's legacy software that could become licensing issues (2) the development and recommendation of action plans to avert or mitigate the impact of those vulnerabilities; (3) the recommendation of action plans to allow the effective and timely resolution and mitigation of any programmatic impacts.	
Required Skills & Experience	Demonstrated experience working in a licensing and nuclear safety environment; knowledge of the software qualification process and applicable QA requirements; demonstrated ability to manage a diverse team of technical staff; proven ability to interact with the customer; proven ability to produce timely results; excellent verbal and oral communication skills. Must have: (1) a proven ability to be self-motivated and proactive in solving problems and effectively negotiating solutions; (2) a commitment to develop and apply processes for the purpose of continuous improvement; (3) a strong customer orientation and partnering capabilities; (4) strong organizational skills; (5) strong interpersonal, management, and teaming skills; (6) excellent written and oral communications skills; and (7) ability to solve problems, prioritize work, and make decisions with minimal supervision.	
Desired Skills & Experience (if applicable)		
Required Education (Degrees & Levels)	Advanced degree in Engineering or Geoscience	
Desired Education (Degrees & Levels - if applicable)		
Full Time Position? (Y/N)	N	
Job Requires lifting 35+ Pounds (Y/N)	N	
Desired Start Date		
Can this position accommodate...		
Part Time Employees? (Y/N)	Telecommuting? (Y/N)	Foreign Nationals? (Y/N)

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WBS Elements of 1.5.02		
1.5.02.06	License Defense	X

Position Description (PD) for Yucca Mountain Lead Lab Activities

Position Description Number	YM211
Creation Date of PD	
Job Title	License Defense Support Staff
SNL Dept Name	Licensing Integration Office
SNL Org Number (or TBD)	6783
Number of Openings	
Description of Position	<p>The License Defense Support Staff will assist the License Defense Assessment Group Lead in accomplishing the mission of the License Defense Group, which includes, but is not limited to: (1) identification and evaluation of potential vulnerabilities that could become licensing issues; (2) the development and recommendation of action plans to avert or mitigate the impact of those vulnerabilities; (3) the recommendation of action plans to allow the effective and timely resolution and mitigation of any programmatic impacts (e.g., technical credibility, cost and schedule) of unexpected issues that may arise in the future; (4) supporting OGC's development and training of the expert witness pool that will be relied upon to defend the LA and its supporting technical products; (5) review of technical work products and data to ensure that they provide a complete and adequate basis for demonstration of compliance; and (6) jointly with the Performance Assessment Group, design and implement analyses to quantify the safety margin afforded by the repository system. The License Defense Assessment Group Support Staff will assist the License Defense Group Manager with coordinating the activities of the License Defense Assessment Group with the DOE Legal Support Team.</p>
Required Skills & Experience	Demonstrated experience in technical and regulatory aspects of nuclear waste disposal and performing and documenting the results of research. Must also be able to effectively translate the voluminous technical analyses performed on a potential nuclear waste repository into the information needed to support the license application in order to support interface between the technical and legal departments to ensure that both groups operate as a seamless team in presenting and defending the license application.
Desired Skills & Experience (if applicable)	
Required Education (Degrees & Levels)	Degree in science or engineering
Desired Education (Degrees & Levels - if applicable)	Legal training desired but not mandatory
Full Time Position? (Y/N)	N
Job Requires lifting 35+ Pounds (Y/N)	N
Desired Start Date	10/1/07

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WBS Elements of 1.5.02		
1.5.02.02	License Application	X

Position Description (PD) for Yucca Mountain Lead Lab Activities

Position Description Number	YM212
Creation Date of PD	
Job Title	License Defense Tools Team Lead
SNL Dept Name	Licensing Integration Office
SNL Org Number (or TBD)	6783
Number of Openings	
Description of Position	The License Defense Tools Team Lead will direct the development and implementation of IT tools needed to support the defense of the technical and modeling basis supporting the postclosure safety case in the License Application. This individual will be part of the License Defense infrastructure team reporting to the Licensing Integration Office Manager.
Required Skills & Experience	Demonstrated experience in supporting Department of Energy Nuclear Waste Programs, including, but not limited to, technical and regulatory aspects of nuclear waste disposal; preparation of licensing applications and supporting documentation; responding to requests from regulatory agencies; and performing and documenting the results of research on various aspects of licensing of a nuclear waste repository.
Desired Skills & Experience (if applicable)	
Required Education (Degrees & Levels)	Degree in science or engineering
Desired Education (Degrees & Levels - if applicable)	
Full Time Position? (Y/N)	Y
Job Requires lifting 35+ Pounds (Y/N)	N
Desired Start Date	

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WBS Elements of 1.5.02	
1.5.02.06	License Defense

Position Description (PD) for Yucca Mountain Lead Lab Activities

Position Description Number	YM213
Creation Date of PD	
Job Title	License Defense Tools Staff Specialist
SNL Dept Name	Licensing Integration Office
SNL Org Number (or TBD)	06783
Number of Openings	1
Description of Position	The License Defense Tools Staff Specialist will assist the License Defense Tools Team lead in the development and deployment of the IT tools that will be used to aid in the defense of the technical basis supporting the postclosure safety in the LA.
Required Skills & Experience	Demonstrated experience in development and implementation of IT solutions for complex problems.
Desired Skills & Experience (if applicable)	
Required Education (Degrees & Levels)	Degree in science or engineering
Desired Education (Degrees & Levels - if applicable)	
Full Time Position? (Y/N)	Y
Job Requires lifting 35+ Pounds (Y/N)	N
Desired Start Date	

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WBS Elements of 1.5.02		
1.5.02.06	License Defense	X

Position Description (PD) for Yucca Mountain Lead Lab Activities

Position Description Number	YM214
Creation Date of PD	10/1/07
Job Title	License Defense Process & Systems Logistics Lead
SNL Dept Name	Licensing Integration Office
SNL Org Number (or TBD)	06783
Number of Openings	1
Description of Position	<p>Reporting directly to the Licensing Integration Manager, the License Defense Infrastructure Group Logistics Lead is responsible for:</p> <ul style="list-style-type: none"> • Assist Licensing Integration Manager in the development of the LD Infrastructure plan for the LL. Assist in the implementation of LD Infrastructure Plan including the establishment of the LSO, • Assist the LD Infrastructure team lead with identifying needs and developing plans and implementing software solutions for an integrated system of software tools and a data warehouse to assist with the storage and rapid retrieval of information and analysis results to support the license defense activities, • Assist the LD Infrastructure team lead with identifying needs and developing plans and implementing software solutions for an integrated system of software tools and a data warehouse to assist with the storage and rapid retrieval of information and analysis results to support the license defense activities, • Assist with external interactions, • Coordinate NRC's reviews of the License Application (LA), • Coordinate NRC issues, open items, Requests for Additional Information (RAIs), and Contentions, • Provide support to all team members of the License Defense Infrastructure Group, both locally and in WDC. • Ensure that NRC requested documentation is made available at the Licensing Support Office promptly, • Support DOE in the preparation of formal NRC correspondence, • Assist in the education of project personnel about licensing culture, requirements and protocols • Assist in the development of schedules, monitor progress, and initiates action to assure program/project objectives and schedules are met.
Required Skills & Experience	<p>Demonstrated experience in supporting Department of Energy Nuclear Waste Programs in the area of logistical support, preparation of licensing applications and supporting documentation; responding to requests from regulatory agencies; and performing and documenting the results of research on various aspects of licensing of a nuclear waste repository.</p> <p>Process development and management of regulatory commitments and licensing action items,</p> <p>Process development of Performance Indicators,</p> <p>Process development and deployment of training,</p> <p>Foster a Safety-Conscious Work Environment and Nuclear Quality and Safety Cultures.</p>
Desired Skills & Experience (if applicable)	
Required Education (Degrees & Levels)	BA Degree or equivalent work history of 20+ years in government contracting
Desired Education (Degrees & Levels - if applicable)	
Full Time Position? (Y/N)	Y
Job Requires lifting 35+ Pounds (Y/N)	N
Desired Start Date	10/01/07

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WBS Elements of 1.5.02		
1.5.02.01	License Integration	X

Position Description (PD) for Yucca Mountain Lead Lab Activities

Position Description Number	YM215
Creation Date of PD	
Job Title	Risk Assessment Management Team Co-Lead
SNL Dept Name	Licensing Integration Office
SNL Org Number (or TBD)	6783
Number of Openings	
Description of Position	The Risk Assessment Management Team within the Lead Laboratory's Licensing Integration Office is the interface between the LL's Licensing and PASI Departments for License Defense. The Risk Assessment Management Team Co-Lead is responsible, in cooperation with the Risk Assessment Management Team Lead, for managing the Lead Laboratory's activities in support of license defense in the (1) identification and evaluation of potential vulnerabilities that could become licensing issues; (2) the development and recommendation of action plans to avert or mitigate the impact of those vulnerabilities; (3) the recommendation of action plans to allow the effective and timely resolution and mitigation of any programmatic impacts
Required Skills & Experience	Demonstrated experience (10+ years) working in a licensing and nuclear safety environment; knowledge of the data qualification process, applicable QA requirements and NRC guidance on data qualification; demonstrated ability to work with a diverse team of technical staff, proven ability to interact with the customer; proven ability to produce timely results; excellent verbal and oral communication skills. Must have: (1) a proven ability to be self motivated and proactive in solving problems and effectively negotiating solutions; (2) a commitment to develop and apply processes for the purpose of continuous improvement; (3) a strong customer orientation and partnering capabilities; (4) strong organizational skills; (5) strong interpersonal and teaming skills; (6) excellent written and oral communications skills; and (7) ability to solve problems, prioritize work, and make decisions with minimal supervision.
Desired Skills & Experience (if applicable)	Strong written and verbal communication skills
Required Education (Degrees & Levels)	Advanced Degree in Engineering or Geoscience
Desired Education (Degrees & Levels - if applicable)	
Full Time Position? (Y/N)	N
Job Requires lifting 35+ Pounds (Y/N)	N
Desired Start Date	

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WBS Elements of 1.5.02		
1.5.02.06	License Defense	X

Position Description (PD) for Yucca Mountain Lead Lab Activities

Position Description Number	YM216
Creation Date of PD	
Job Title	Risk Assessment Management Team Lead
SNL Dept Name	Licensing Integration Office
SNL Org Number (or TBD)	6783
Number of Openings	
Description of Position	The Risk Assessment Management Team within the Lead Laboratory's Licensing Integration Office is the key interface between the LL's Licensing and PASI departments for the License Defense. The Risk Assessment Management Team Lead is responsible for managing the Lead Laboratory's activities in support of license defense in the (1) identification and evaluation of potential vulnerabilities that could become licensing issues; (2) the development and recommendation of action plans to avert or mitigate the impact of those vulnerabilities; (3) the recommendation of action plans to allow the effective and timely resolution and mitigation of any programmatic impacts
Required Skills & Experience	Demonstrated experience (10+ years) working in a licensing and nuclear safety environment; knowledge of the data qualification process, applicable QA requirements and NRC guidance on data qualification; demonstrated ability to work with a diverse team of technical staff, proven ability to interact with the customer; proven ability to produce timely results; excellent verbal and oral communication skills. Must have: (1) a proven ability to be self motivated and proactive in solving problems and effectively negotiating solutions; (2) a commitment to develop and apply processes for the purpose of continuous improvement; (3) a strong customer orientation and partnering capabilities; (4) strong organizational skills; (5) strong interpersonal and teaming skills; (6) excellent written and oral communications skills; and (7) ability to solve problems, prioritize work, and make decisions with minimal supervision.
Desired Skills & Experience (if applicable)	
Required Education (Degrees & Levels)	Advanced Degree in Engineering or Geoscience. Strong verbal and written communication skills.
Desired Education (Degrees & Levels - if applicable)	
Full Time Position? (Y/N)	N
Job Requires lifting 35+ Pounds (Y/N)	N
Desired Start Date	

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WBS Elements of 1.5.02		
1.5.02.06	License Defense	X

Position Description (PD) for Yucca Mountain Lead Lab Activities

Position Description Number	YM217
Creation Date of PD	
Job Title	Risk Assessment Management Team Specialist
SNL Dept Name	Licensing Integration Office
SNL Org Number (or TBD)	6783
Number of Openings	
Description of Position	The Risk Assessment Management Team within the Lead Laboratory's Licensing Department. The Risk Assessment Management Team Specialist will support the Team Lead in activities in support of license defense in the (1) identification and evaluation of potential vulnerabilities that could become licensing issues; (2) the development and recommendation of action plans to avert or mitigate the impact of those vulnerabilities; (3) the recommendation of action plans to allow the effective and timely resolution and mitigation of any programmatic impacts
Required Skills & Experience	Demonstrated experience (10+ years) working in a licensing and nuclear safety environment; knowledge of the data qualification process, applicable QA requirements and NRC guidance on data qualification; demonstrated ability to work with a diverse team of technical staff, proven ability to interact with the customer; proven ability to produce timely results; excellent verbal and oral communication skills. Must have: (1) a proven ability to be self motivated and proactive in solving problems and effectively negotiating solutions; (2) a commitment to develop and apply processes for the purpose of continuous improvement; (3) a strong customer orientation and partnering capabilities; (4) strong organizational skills; (5) strong interpersonal and teaming skills; (6) excellent written and oral communications skills; and (7) ability to solve problems, prioritize work, and make decisions with minimal supervision.
Desired Skills & Experience (if applicable)	
Required Education (Degrees & Levels)	Advanced degree in Engineering or Geoscience
Desired Education (Degrees & Levels - if applicable)	
Full Time Position? (Y/N)	N
Job Requires lifting 35+ Pounds (Y/N)	N
Desired Start Date	

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WBS Elements of 1.5.02		
1.5.02.06	License Defense	X

Position Description (PD) for Yucca Mountain Lead Lab Activities

Position Description #	YM218
Creation Date of PD	10/12/07
Job Title	Technical Specialist/Technical Editor
SNL Dept Name	Licensing Integration Office
SNL Org Number (or TBD)	06783
Number of Openings	
Description of Position	<p>The Licensing Integration Office's responsibilities include the preparation of those sections of the License Application (LA) for the Yucca Mountain Repository assigned to the Lead Lab, and the defense of those sections as well as the technical and modeling basis supporting the postclosure safety analysis. The affected LA sections are Site Characterization, Postclosure Safety and Performance Confirmation within the Licensing Integration Office. Preparation of these SAR sections is the responsibility of the License Application Group (LAG).</p> <p>The Licensing Department seeks to fill a technical editing position supporting the LAG's effort in the preparation of the LA sections. The technical editor supporting the LAG's effort has a technical degree in engineering or science, or equivalent education and experience as a technical editor in a nuclear scientific and engineering environment. The technical editor is responsible for assisting the LAG Document Management Team Lead in working with lead authors in the production of SAR sections that adhere to the LA Style Sheet and related LA document development guidelines. The technical editor works with assigned LA section authors and technical organizations, as necessary, to resolve comments from reviews and to revise the text, tables, and figures, as appropriate, to ensure consistency with source documents. In addition, the technical editor assists the Team lead in 1) ensuring that draft versions of SAR sections are tracked with correct versions; 2) updating references; and 3) ensuring accurate prioritization and completion of assigned SAR sections.</p>
Required Skills & Experience	Five (5) or more years of experience in the development of technical documents, including the creation of figures, tables, charts, graphs, and equations that are placed within text sections of technical documents. Demonstrated experience and ability to work in a schedule-driven environment, as part of a project team. Demonstrated experience in the review and technical editing of complex and lengthy technical documents prepared by a multidisciplinary group of technical experts. Advanced written and verbal communication skills are required, along with an advanced working knowledge of standard software applications (Microsoft Word, Adobe Acrobat), and the utilization of these applications within electronic databases.
Desired Skills & Experience (if applicable)	Knowledge of and experience with the Yucca Mountain Project, and the preparation of previous LA draft materials.
Required Education (Degrees & Levels)	Undergraduate degree in science or engineering, or equivalent relevant experience.
Desired Education (Degrees & Levels - if applicable)	
Full Time Position? (Y/N)	Yes
Job Requires lifting 35+ Pounds (Y/N)	No
Desired Start Date	10/01/07

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WBS Elements of 1.5.02		
1.5.02.02	License Application	X