LSN Library Search User Guide

VERSION 1.2

Contents

Purpose

This User Guide provides you with information and tips for using the Licensing Support Network (LSN) Library Search Tool. This tool will allow users to perform searches for documents located in the LSN Library.

General Information

System Overview

The Licensing Support Network (LSN) Library is part of the agency's ADAMS official recordkeeping system. The LSN Library search provides access to publicly available documents related to the hearings regarding the Department of Energy's application for authorization to construct a high-level nuclear waste geologic repository at Yucca Mountain, Nevada.

The LSN Library Search Tool is a Web-based system that allows users to narrow search results and quickly identify documents of interest. A variety of features are available to enhance the search process. Each of the features will help users to tailor their searches to receive the most accurate set of results.

All headers/documents under NRC records retention policy as defined by the National Archives and Records Administration. It is operated and maintained by the NRC Office of the Chief Information Officer. The underlying search engine is IBM Watson. Operation of certain features is dependent upon the operating system and browser used to access the LSN Library

It was built from High Level Waste (HLW) hearing participant collections submitted to the Office of the Secretary (SECY) in response to the April 11, 2011 order issued by Construction Authorization Board-04 (CAB-04) (ML111010483). It was verified using the Licensing Support Network Administrator's (LSNA) final list of LSN Accession Numbers and the corresponding Participant Accession Numbers provided to SECY per July 28, 2011 CAB-04 order (ML11209C291). Audit found anomalies between HLW hearing participants' submissions and LSNA list that have been resolved and are documented in the LSN Library Anomaly Resolution document (ML17087A500). LSN Does not currently* provide a mechanism for HLW hearing participants to add new documents to their previously submitted collections modify previously submitted headers/documents. Requests to access information contained in the LSN Library, represented by a Header Only entry, should be directed to the organization that submitted the entry. Organizations can be identified using either of the two following pieces of information (see below table)

    i.   First three characters of LSN Accession Number

    ii.   Information Source designation

LSN Accession Number Prefix	Information Source
AKN	AIKEN COUNTY, SC
CEC	CALIFORNIA ENERGY COMMISSION
CHU	CHURCHILL COUNTY, NV
CLE	CITY OF CLIENTE, NV
LAS	CITY OF LAS VEGAS, NV
CLK	CLARK COUNTY, NV
DEN and DN2	DOE
ESM	ESMERALDA COUNTY, NV
EUR	EUREKA COUNTY, NV
CAL	INYO COUNTY, CA
JTS, TBS, and TSP	JOINT TIMBISHA SHOSHONE TRIBAL GROUP
LND	LANDER COUNTY. NV
LNC	LINCOLN COUNTY, NV
MNE	MINERAL COUNTY, NV
NAR	NATIONAL ASSOCIATION OF REGULATORY COMMISSIONERS
NCA	NATIVE COMMUNITY ACTION COUNCIL
NEN	NUCLEAR ENERGY INSTITUTE
NYE	NYE COUNTY, NV
PSL	PRAIRIE ISLAND INDIAN COMMUNITY
NEV	STATE OF NEVADA
SSC	STATE OF SOUTH CAROLINA
SWA	STATE OF WASHINGTON
NRC	U.S. Nuclear Regulatory Commission
WHP	WHITE PINE COUNTY, NV

LSN Library Link

The below URL can be used to access LSN Library*
https://adamspublic.nrc.gov/navigator

*Login is not required for LSN Access

Points of Contact

For assistance, contact PDR.Resource@nrc.gov
Telephone: 1-800-397-4209 or 301-415-4737
http://www.nrc.gov/reading-rm/pdr.html
Hours of Operation: 8:00 a.m. to 4:00 p.m., Monday to Friday except Federal Holidays

LSN Library Resources
LSN Help and References can be found by clicking on the links below.

[Help and References](#)

[LSN Library Quick Reference Guide](#)

[LSN Library User Guide](#)

[LSN Library Anomaly Resolution](#)

LSN Library Splash Page
The LSN Library Announcements page is displayed each time a user accesses the LSN Library. This page will provide information regarding any upcoming training activities, system maintenance activities, or other general information regarding the LSN Library. Splash screen is seen below.

LSN Library Announcements

This announcement page will contain messages for LSN Library users, including upcoming training opportunities, system maintenance activities, or general information regarding the LSN Library.
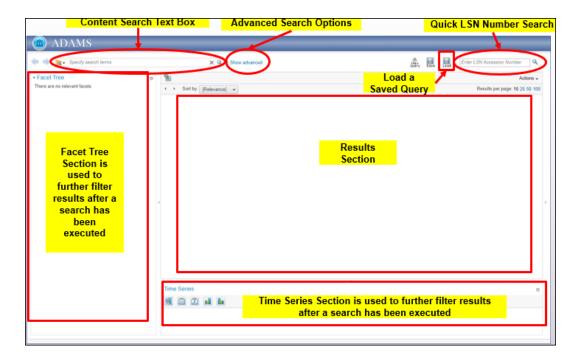
If you require assistance with the LSN Library, please click on the link below entitled "LSN Library Help and References."

Continue to LSN Library

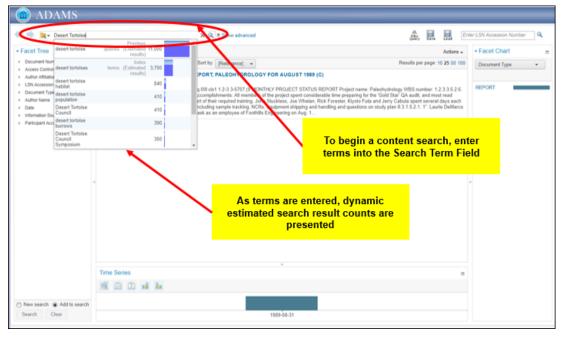LSN Library Help and References

LSN Library Search Page

When you accesses the LSN Library using this URL, https://adamspublic.nrc.gov/navigator, the Search Page for the LSN Library will appear. From this page you are able to enter basic search criteria in the 'content search' field and use the various features highlighted below to narrow down the searches.
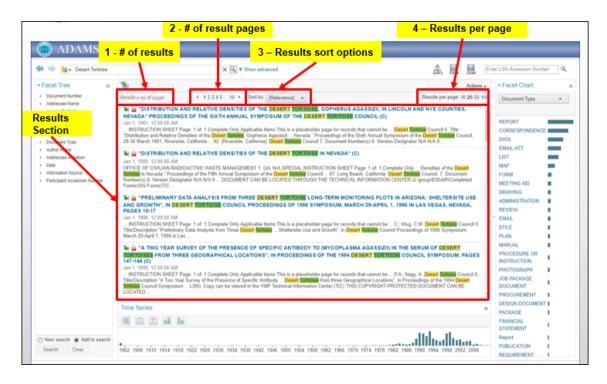

Content Search

To conduct a basic search, enter your search criteria into the search bar highlighted below 'Specify search terms', then click 🔍 search.
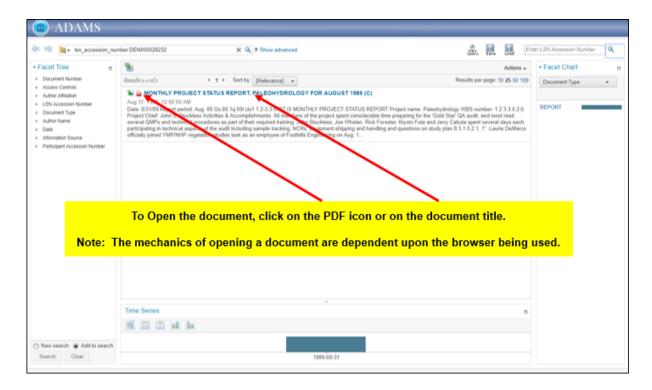
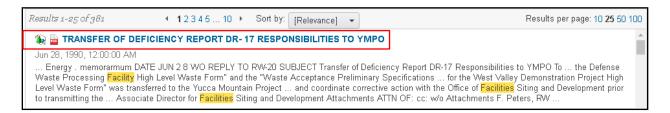The results of your search will be displayed as seen below.

Opening a Document

Once you have completed a search, you can open the documents that were found.
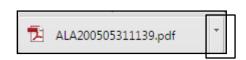

In Chrome:

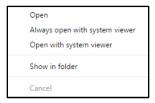Locate the document you wish to open and click on the document's title.

The document will download in the Downloads folder.

Click on the down arrow at the bottom of the screen and choose open to view the document.

The document will open in a new tab.

In Internet Explorer:
Locate the document you wish to open and click on the document's title.

A pop up will appear at the bottom of the screen. Click Open to view the document. The document will open in a new window.

Do you want to open or save **ALA200505311139.pdf** (1.31 MB) from **adamspublic.nrc.gov**? | Open | Save | ▼ | Cancel | ✕

In Safari:
Locate the document you wish to open and click on the document's title.

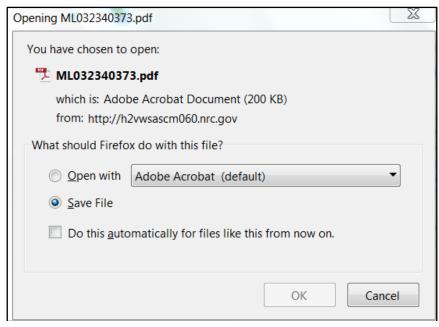The document will open in a new window while it gets downloaded in the Downloads folder.

Results 1-25 of 381   ◄ **1** 2 3 4 5 ... 10 ►   Sort by: [Relevance] ▼   Results per page: 10 **25** 50 100

TRANSFER OF DEFICIENCY REPORT DR- 17 RESPONSIBILITIES TO YMPO
Jun 28, 1990, 12:00:00 AM
... Energy . memorarmum DATE JUN 2 8 WO REPLY TO RW-20 SUBJECT Transfer of Deficiency Report DR-17 Responsibilities to YMPO To ... the Defense Waste Processing Facility High Level Waste Form" and the "Waste Acceptance Preliminary Specifications ... for the West Valley Demonstration Project High Level Waste Form" was transferred to the Yucca Mountain Project ... and coordinate corrective action with the Office of Facilities Siting and Development prior to transmitting the ... Associate Director for Facilities Siting and Development Attachments ATTN OF: cc: w/o Attachments F. Peters, RW ...

In Firefox:
Locate the document you would like to open and click the document title. A popup will appear asking what Firefox should do with this file.
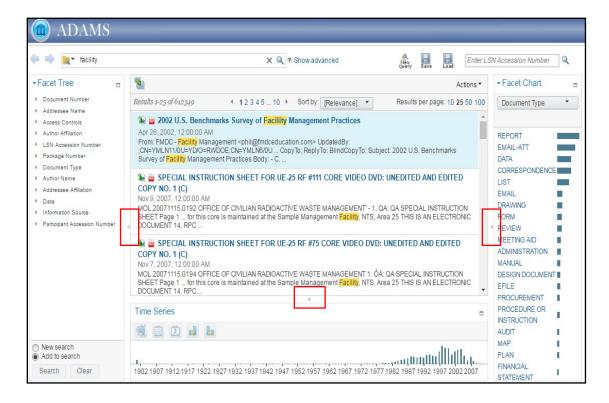
The pop up gives the options to open with Adobe Acrobat or save the file.

Choose 'Open with Adobe Acrobat'. The Document will open in a new browser.

Opening ML032340373.pdf   ✕

You have chosen to open:

📄 **ML032340373.pdf**

which is: Adobe Acrobat Document (200 KB)
from: http://h2vwsascm060.nrc.gov

What should Firefox do with this file?

○ Open with   Adobe Acrobat (default)   ▼
◉ Save File

☐ Do this automatically for files like this from now on.
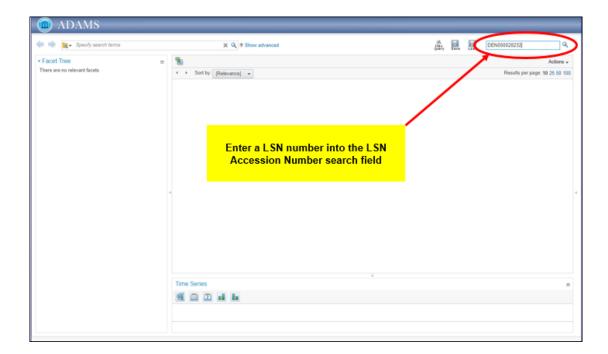
OK   Cancel

Page Layout

From the search results page you are able to open and close the panes on the sides and bottom of the results. Click on any of the highlighted arrows and the appropriate pane will open or close. The left arrow opens or closes the Facet Tree, the right arrow the Facet Chart and the bottom arrow the Time Series Chart as displayed in the image below.

LSN Accession Number Searches

If you know the LSN Accession Number for the document you are seeking, enter it into the search box in the upper right corner and then click the search button.

Enter a LSN number into the LSN Accession Number search field

Search Navigation

If you have completed more than one search, use the [icon] buttons to go back and forth between searches

Actions

Once you have selected a document, click on the Actions drop down for the options available for that document.

Document Action: When you get your search results and find your document you can right click on it to perform document actions. You can also get these document actions by clicking on the Action button on the top right hand corner.

These Actions include:

- Open = Opens the document in pdf format, you can print the document after viewing it.
- Download = Downloads the document to a folder with the options of Save, Saves As & Save and Open
- View Link = Allows the user to view the link and copy and paste the link in emails, and web pages.
- Query Builder = Allows you to build a Query by Keyword, Phrase, Field or Proximity.

View Link allows you to copy and paste a hyperlink for the document into emails, chats and web pages. For the purpose of the LSN Library, there will only be one version of each document so choosing released, current or choosing a specific version will yield the same hyperlink.
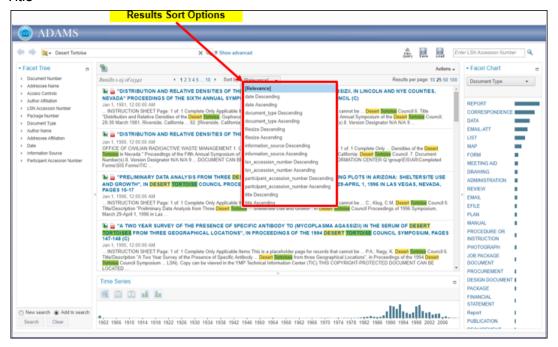

Query Builder is explained in detail in the Query Builder Section below.

Results Sorting

The result section can be sorted by a variety of options. These include:

- Date – Document Date
- Document Type
- Information Source – Name of the party that provided the document
- LSN Accession Number
- Participant Accession Number
- Title

Advanced Search

For a more in-depth search, click on 'Show Advanced' and the Advanced Search options will be displayed.

Enter search criteria in to the available boxes. Once the search criteria is entered, click the

search button [image]. The description of each 'Advanced Search' Criteria is listed below.

- All of these words = The search pulls up all documents that have the words added in the search field
- Any of these words = The search pulls up all documents with any of the words in the search field for example if the search terms were Desert Tortoise, the results will show documents with either Tortoise or Desert in them.
- Start and End Date = The search pulls up documents that are within the date criteria.

- Field Query = The search pulls up documents by the property field criteria like Document Type, Addressee Affiliation etc.
- The Exact Phrase = The search pulls up all documents which contain the exact phrase that was added in the field.
- None of these words = The search pulls up all documents that do not contain the words added in that field.
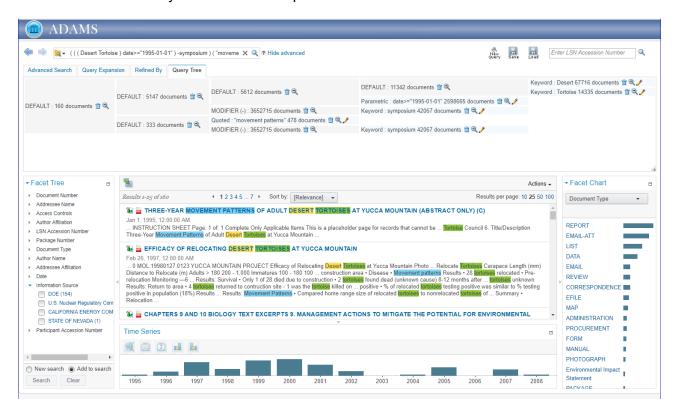
Adding the word "symposium" to the "None of these words" option reduces the results from 416 to 388

Adding the exact phrase "movement patterns" reduces the results from 388 to 2

You can Use the "Query Tree" to view the parameters

There are three other tabs besides the Advanced search tab as seen in the below screenshots.

Query Expansion
This tab is not applicable to LSN and should not be used.

Refined By

The "Refined By" tab shows how the query has been defined. From here, query parameters can be removed by clicking on the "Trash Can" icon.

Query Tree

The Query Tree can be used to display your query and edit it using the three buttons beside the keyword i.e. delete, exclude documents or edit. It gives you an idea of the number of documents by keyword. It is an editable field where one can 'exclude, delete or edit' the keywords and do a search. Once the edits are done, you can click on the 'Save' button on the top right hand corner of the screen to save the edited Search as a new Search.

Document Properties and Property Searches

Each document has a list of properties such as Date and LSN Accession Number. To see the document properties for any document click . The properties will display below the document title. You can click on the 'Property' button to collapse the properties when done. Only properties that contain information will be displayed.

Below is a list of commonly used LSN Library document properties that you are able to search by:

Property Name	LSN Library Property
Accession Number	lsn_accession_number
Information Source	information_source
Participant Accession Number	participant_accession_number
Number of Images	number_of_images
Addressee Name	addressee_name
Addressee Affiliation	addressee_affiliation
Author Name	author name
Author Affiliation	author affiliation
Document Number	document number
Document Type	document type

Note: To search on a specific property, copy a property's LSN Library designation from the second column with colon after the property (document_number:) into the search box. As an alternative, the advance search can also be used to search on a specific property.

Below is an example of how you would use one of the above properties in a search.

Document View

You can preview the document in text format by clicking on the button beside the pdf button by the Document Title.

The Document preview screen is displayed in text format. Click on the 'Close' button to Exit.

Saving a Search

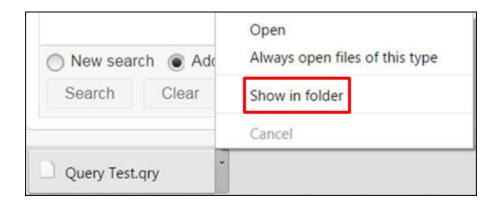The LSN Library Search allows you to save your searches so you can access them again later.

This can be done by clicking the [Save] button.

In Chrome:
A pop up will appear allowing you to name your search. Then click on the 'OK' button.

A popup will open at the bottom of the screen. Select 'Show in Folder' to save in the desired location on your computer.

In Internet Explorer:
A popup will open at the bottom of the screen. Click 'Save' then 'Save As'. Select the folder you want to save the search in.

In Safari:
A pop up will appear as below indicating "you open your downloads folder to copy the file to a desired folder and filename". Then click on the 'OK' button.

In Firefox:

A pop up will open asking what should Firefox do with this file?

The pop up gives the options to 'Open with Notepad or Other' or 'Save file' Choose 'Save file' option. By default the Search gets saved in the Downloads folder.

Opening a Saved Search

To access a saved search click on the Load button. Choose the search from the folder you saved the search under and click 'Open' to display the search results. For Firefox, click on 'Choose' to display the search results after clicking on the saved search.

Deleting a Saved Search

The Saved Search can be deleted by locating it in the saved location, right clicking on the saved search and clicking on the 'Delete' option.
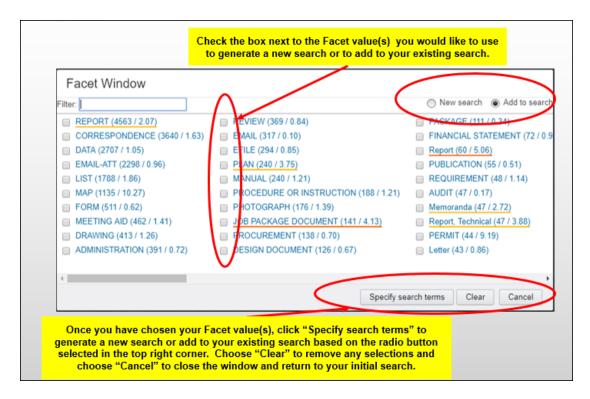
Ways to Narrow Your Search
Facet Tree

The facet tree is located to the left of the search results. Use the facet tree to refine search results. This section will walk you through how to use the facet below.

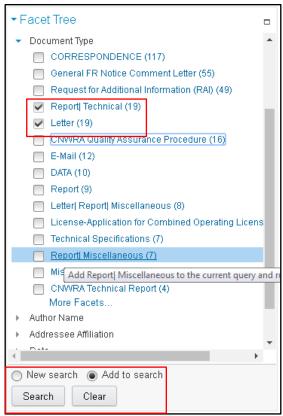To see more options for any facets, click on 'More Facets' and a new window will open.

To filter the available facet values, type what you are looking for into the Filter box and press Enter. The results will display below.
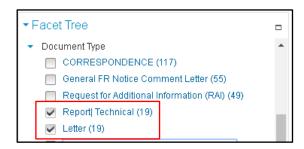

Alternatively, you can access a facet tree criteria by clicking the check box next to that criterion. Then scroll down and click search. You can choose to add the criteria to your current search or
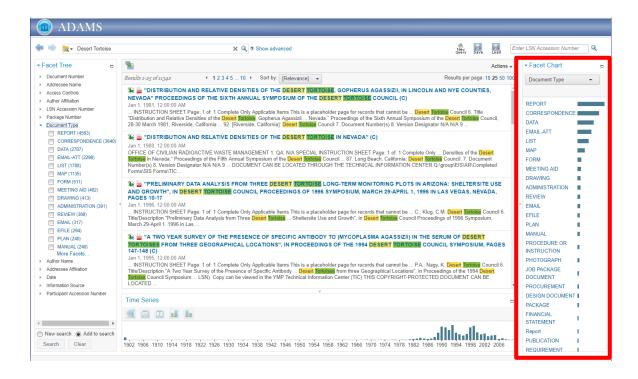
you can choose to start a new search.

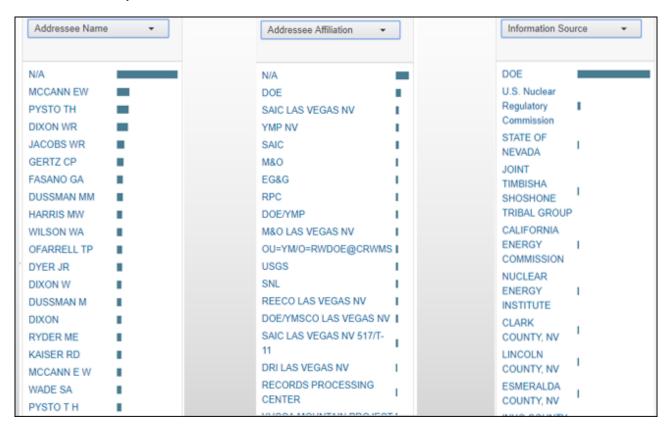**Note**: You are able to click select more than one facet tree criterion at a time.

Facet Chart

The facet chart is located to the right of your search results. It allows you to visualize how many documents are available as meeting a certain criterion. You are able to change the criterion you are looking for by selecting the drop down box. To narrow your search results, click on any of the names to the left of the bars representing the number of documents meeting that criterion. The new search results will display.
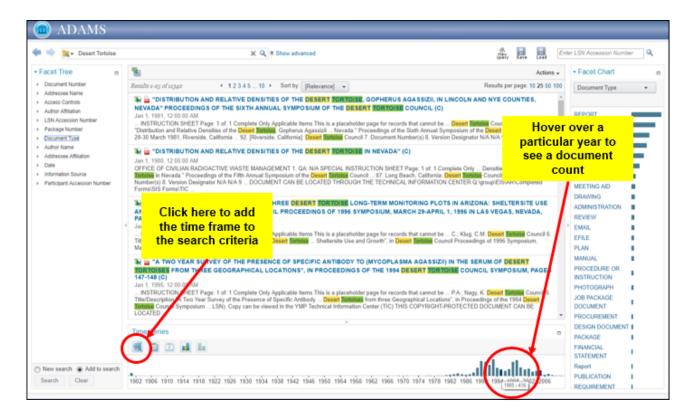
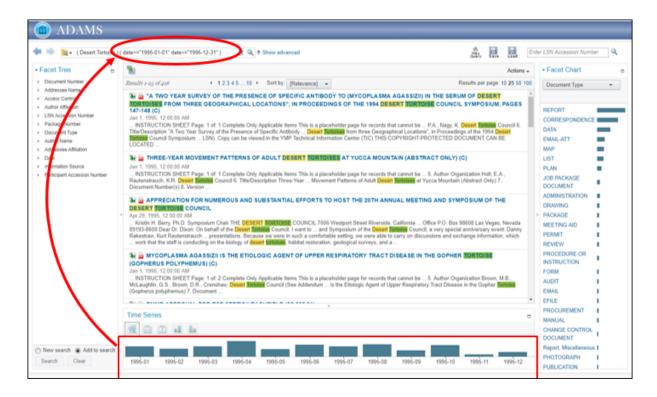**Facet Chart examples shown below:**

Time Series Chart

The time series chart, located just below the search results, allows you to see the frequency by date of documents meeting the search criteria. Each bar represents a certain period of time. Click on any of the bars in the chart to narrow your search results to that period of time. Once you select the time period click on [icon].

For example: Click on the 1995 bar. Then click on [icon] and the results for that year will appear.

The new results will only include documents from 1996 and, as seen below, the time series chart updates to show a bar for each month in 1996. You can click again on the month box to obtain the results for that month of the year.
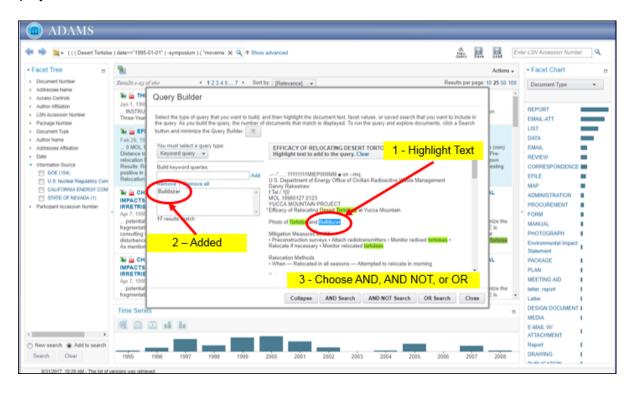
Query Builder

Use Content from selected Document

'Query Builder' allows you to build custom queries based on a number of options and the content of a selected document. Select any document and then right click to select the 'Query Builder' option or click on Actions | 'Query Builder'. This is similar to the original LSN "Suggest More" feature.

Right Click on any of your search results to open the query builder. Select the type of query you want to create from the drop down box. Select the type of search you want to conduct from the highlighted choices at the bottom of the screen. The query builder will collapse and the results will display.
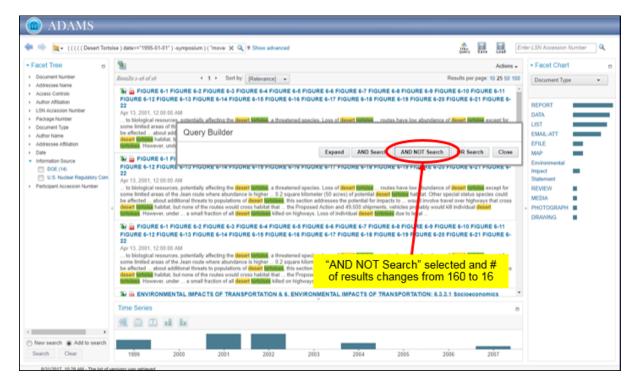
You can do an 'AND Search', OR Search and NOT Search using the Query Builder. See below

➢ AND Search

➢ AND NOT Search

➢ OR Search

Build New Query

Click on 'New Query Button. New Query opens the query builder and executes a *.* search, meaning that the entire LSN Library will be returned in the results section
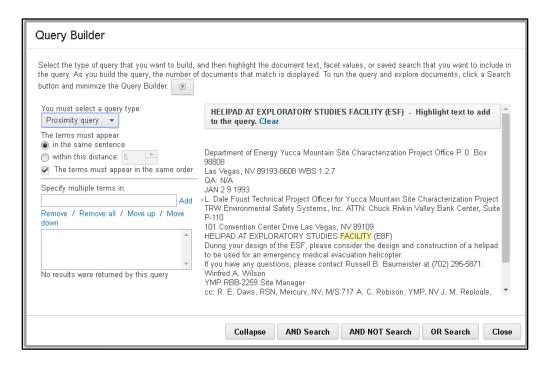
'Now follow the steps given in the above chapter to build a query.

The following are the different types of queries available in the drop down selection:
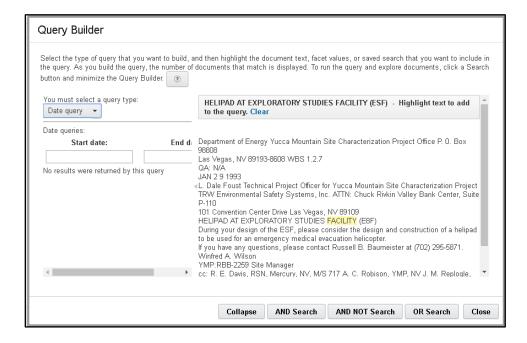**Proximity Query**
Used to create queries for words within a certain distance of each other. You can select if you would like the words to be in the same sentence or in the same order.
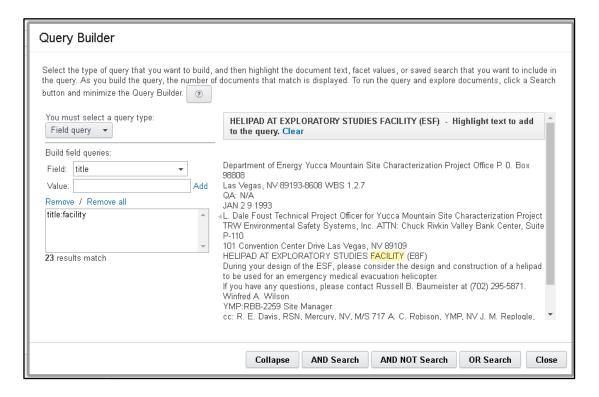

Date Query
Allows you to specify a date range to be added to your search query. You can select the start date and end date to determine the search date range.
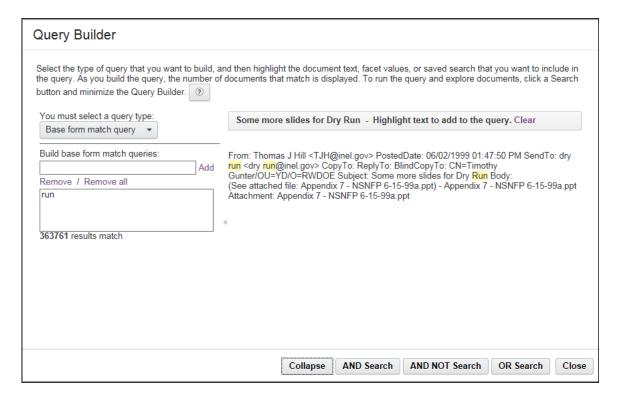
Field Query

Allows you to choose a field from the drop down box, example title, and add a value for the selected field to the search query.
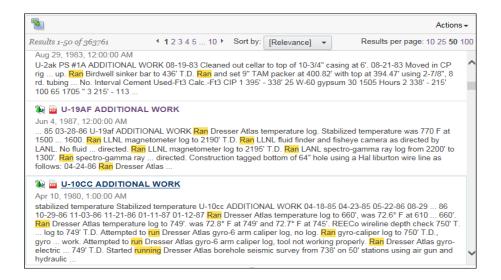
Base Form Query Match

Allows you to follow a single term with a tilde sign (~) to indicate that a match occurs anytime a document contains a term that has the same linguistic base form as the query.
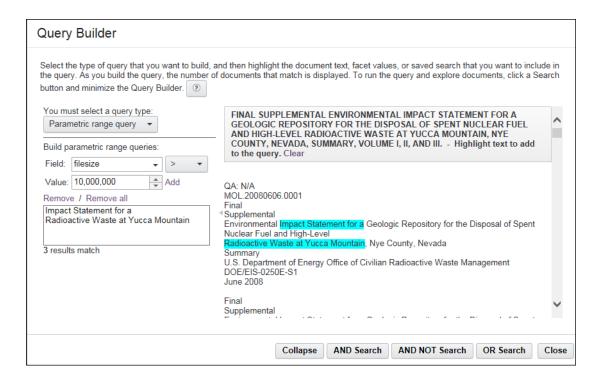
For e.g. Query: run~

Result: This query finds documents that include the term run, running, or ran because run is the base form of the verb.

Parametric Range Query
Allows you to use parametric constraint syntax to find documents that have a numeric field with a value equal, greater than, lesser than, lesser than or equal to or greater than or equal to a specified number.

Result: This query finds documents that contain the terms and a file size with a value equal to number searched.

Wild Card Queries
Wildcards can be used to aid in searching when a user does not precisely know how to spell a word or is looking for similarities. An asterisk (*) is used to replace any set of unknown letters in a search term. For example, entering [Cal*] would return any documents with words beginning with Cal. This would include "Calcite," "calculate," "calibrate," etc.

A question mark (?) can also be used to replace a single unknown character. For example, entering [d?n] would return documents containing three-letter words beginning in 'd' and ending in 'n'; this would include "Dan," "Din" "Don," etc.

Boolean Queries

A Boolean search can be used to link two or more searches together. The query operators for Boolean searches include AND, OR, and NOT. They must be in uppercase letters. Parentheses can be used to group expressions in the query.

AND will return all documents that contain the words specified in the search box. For example, entering (tuff AND water) will return all documents that contain both the words "tuff" and "water".

OR will return all documents that contain at least one of the words specified in the search box. For example, entering [tuff OR water] will return documents that contain the word "tuff," the word "water," or both. By default, the search engine automatically assumes the multiple words entered in the search box are OR, so (tuff OR water) is equal to [tuff water]. In other words, OR need not explicitly be used; the search engine assumes it is there.

NOT will return all documents that contain the first word entered in the search box but not the second word entered. For example, entering [tuff NOT water] will return documents that contain the word "tuff" but not the word "water".