New Mexico Environment Department

Intellus Database Overview

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2/25/21
Publicly accessible environmental database
- Groundwater, surface and stormwater
- Soil, sediment
- Air
- Biota

Data providers:
- LANL/Triad
- N3B
- NMED DOE Oversight Bureau

https://intellusnm.com
Introduction to Intellus

Start searching millions of Los Alamos area environmental monitoring records.

Search data now >

https://intellusnm.com
Data Search - Quick Search

Select data provider(s)

- Los Alamos National Laboratory
- NMED DOE Oversight Bureau

Continue >

Type of data
(additional steps)
Results
Data Search - Quick Search

Quick search

1. Data provider

2. What type of data are you looking for?

- Analytical results
- Field measurements
- Groundwater levels
- Precipitation measurements

Continue >
Data Search- Quick Search

Quick search

1. Data provider
2. Type of data
3. What type(s) of samples are you interested in?
   - Water
   - Solid
   - Air
   - Waste
   - Biota

Any of these / Skip this step

Continue >

4. Dates
5. Locations
6. Analytical parameters
7. Data columns

Results

Start a new search
Quick search

1. Data provider
   - 2 selected
2. Type of data
   - Analytical results
3. Sample types
   - Water

What time period do you want to search?

From 02/18/2016 to 02/18/2021

Continue >

5. Locations
6. Analytical parameters
7. Data columns

Results
Data Search- Quick Search

5 Where do you want to look?

Environmental samples are taken at specific locations defined by the data provider. The data in Intellus is associated with these "Location IDs".

Choose one of the following options to narrow down the locations to only those you're interested in.

- Find locations near an address
- Use filters to find specific locations, groups, or samples
- Enter or upload a list of locations, groups, or samples
- Everywhere in the Los Alamos area

Use filters to find locations, groups, or samples

Search for: Individual locations
- Filter by sampling program(s)
- Filter by location type
- Pre-filter by partial location ID

Find matching results >

Continue >
Data Search - Quick Search

Available locations (3764)

- 01-001(c)(A) (LANL)
- 01-001(c)(A) (N3B)
- 01-001(c)(A) (NMED)
- 01-001(c)(B) (LANL)
- 01-001(c)(B) (N3B)
- 01-001(c)(B) (NMED)
- 01-001(d)(A) (LANL)
- 01-001(d)(A) (N3B)
- 01-001(d)(A) (NMED)
- 01-001(d)(B) (LANL)
- 01-001(d)(B) (N3B)
- 01-001(d)(B) (NMED)
- 01-001(f)(A) (LANL)
- 01-001(f)(A) (N3B)

Selected locations (3/100)

- Pueblo below GCS (LANL)
- Pueblo below GCS (N3B)
- Pueblo below GCS E060.1 (NMED)
Data Search - Quick Search

1. Data provider
2. Type of data
   - Analytical results
   - Water
3. Sample types
4. Dates
   - 02/18/2016 - 02/18/2021
5. Locations
   - 3 locations selected

6. What analytical parameters are you interested in?

   Now it's time to specify which analytical parameters you're interested in.

   You can choose specific parameters, only see results for parameters that exceeded a certain regulatory standard or other limit, or get results for all parameters in the sample type, locations, and date range you've selected.

   - Select parameter(s) from a list
   - I want to see parameters that were measured above a regulatory standard (or other limit)
   - All parameters

   Continue >

7. Data columns

   Results
What data columns do you want to see in your results table?

Select which data you want to include in the results table. The recommended columns have been pre-selected for you below.

Each item you select will show up as a column in the table. You can also change the order in which the columns will display by using the up/down arrows.

<table>
<thead>
<tr>
<th>Available fields</th>
<th>Selected fields</th>
</tr>
</thead>
<tbody>
<tr>
<td>% Moisture</td>
<td>Field Sample ID</td>
</tr>
<tr>
<td>AirNET Background Exclusion Flag</td>
<td>Location ID</td>
</tr>
<tr>
<td>Analysis Date</td>
<td>Sample Date</td>
</tr>
<tr>
<td>Analysis Deferred</td>
<td>Parameter Name</td>
</tr>
<tr>
<td>Analysis Lot ID</td>
<td>Report Result</td>
</tr>
<tr>
<td>Analysis Run #</td>
<td>Report Units</td>
</tr>
<tr>
<td>Analysis Subcontracted</td>
<td>Lab Qualifier</td>
</tr>
<tr>
<td>Analysis Suite Code</td>
<td>Detected</td>
</tr>
<tr>
<td>Analysis Time</td>
<td>Sample Matrix</td>
</tr>
<tr>
<td>Analysis Type Code</td>
<td>Sample Purpose</td>
</tr>
<tr>
<td>Analytical Group Name</td>
<td>Sample Type</td>
</tr>
<tr>
<td>Basis</td>
<td>Sample Time</td>
</tr>
<tr>
<td>Best Value</td>
<td>Latitude (Decimal)</td>
</tr>
<tr>
<td>Background Comparison Class Code</td>
<td>Longitude (Decimal)</td>
</tr>
<tr>
<td></td>
<td>Filtered</td>
</tr>
</tbody>
</table>
Data Search- Quick Search

If you want to modify any of your search parameters, just click the corresponding step above.

<table>
<thead>
<tr>
<th>Site ID</th>
<th>Field Sample ID</th>
<th>Location ID</th>
<th>Sample Date</th>
<th>Parameter Name</th>
<th>Report Result</th>
<th>Report Type</th>
</tr>
</thead>
<tbody>
<tr>
<td>NMED</td>
<td>LSW11-2017-1143</td>
<td>Pueblo below GCS E060.1</td>
<td>10-05-2017</td>
<td>PCB-4</td>
<td>5.6e-006</td>
<td>ug/L</td>
</tr>
<tr>
<td>NMED</td>
<td>LSW11-2017-1143</td>
<td>Pueblo below GCS E060.1</td>
<td>10-05-2017</td>
<td>Total PCB</td>
<td>0.0058</td>
<td>ug/L</td>
</tr>
<tr>
<td>NMED</td>
<td>LSW11-2017-1143</td>
<td>Pueblo below GCS E060.1</td>
<td>10-05-2017</td>
<td>PCB-5</td>
<td>3.64e-006</td>
<td>ug/L</td>
</tr>
<tr>
<td>NMED</td>
<td>LSW11-2017-1143</td>
<td>Pueblo below GCS E060.1</td>
<td>10-05-2017</td>
<td>PCB-31</td>
<td>1.71e-005</td>
<td>ug/L</td>
</tr>
<tr>
<td>NMED</td>
<td>LSW11-2017-1143</td>
<td>Pueblo below GCS E060.1</td>
<td>10-05-2017</td>
<td>Tetrachlorodibenzodioxin[2,3,7,8-]</td>
<td>1.8e-006</td>
<td>ug/L</td>
</tr>
<tr>
<td>NMED</td>
<td>LSW11-2017-1143</td>
<td>Pueblo below GCS E060.1</td>
<td>10-05-2017</td>
<td>Hexachlorodibenzodioxin[1,2,3,7,8,9-]</td>
<td>1.2e-006</td>
<td>ug/L</td>
</tr>
<tr>
<td>NMED</td>
<td>LSW11-2017-1143</td>
<td>Pueblo below GCS E060.1</td>
<td>10-05-2017</td>
<td>PCB-209</td>
<td>1.72e-005</td>
<td>ug/L</td>
</tr>
</tbody>
</table>
Advanced Search Options

Analytical data
- Analytical data
- Analytical lab quality control data
- Analytical data validation report

Exceedances
- Query data that exceed a standard

Non-analytical data
- Locations
- Borehole lithology
- Well report
- Field samples
- Chain of custody (COC) requested analyses
- Groundwater levels
- Field measurements
- Precipitation measurements
Documents Tab

Start searching millions of Los Alamos area environmental monitoring records.

Search data now >
Documents Tab

- Intellus Files
  - Contains
    - Intellus Training Documents
    - Intellus Update Archive
    - Groups and Naming Conventions Paper
Documents Tab

- LANL Files
  - Contains
    - Data Packages
    - Reports
    - Standard Operating Procedures
    - White Papers
    - Well Documents
Documents Tab

- NMED-OB Files
  - Contains
    - Intellus Updates
Definitions Tab

Start searching millions of Los Alamos area environmental monitoring records.

Search data now >
# Definitions & Lookup Tables

<table>
<thead>
<tr>
<th>Description</th>
<th>Code</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Action limit parameters and associated limits</strong></td>
<td>ACTION_LIMIT_PARAMETER</td>
</tr>
<tr>
<td><strong>EP action limit names and descriptions</strong></td>
<td>EP_ACTION_LIMIT</td>
</tr>
<tr>
<td><strong>Field parameters</strong></td>
<td>FIELD_PARAMETER</td>
</tr>
<tr>
<td><strong>Laboratory analytical methods</strong></td>
<td>LAB_ANALYTICAL_METHOD</td>
</tr>
<tr>
<td><strong>Laboratory information</strong></td>
<td>LABORATORY</td>
</tr>
<tr>
<td><strong>Location group names and descriptions</strong></td>
<td>LOCATION_GROUP</td>
</tr>
<tr>
<td><strong>List of lookup value classes or categories</strong></td>
<td>LOV_CLASS</td>
</tr>
<tr>
<td><strong>List of lookup values</strong></td>
<td>LOV_MEMBER</td>
</tr>
<tr>
<td><strong>Parameter names and CAS #'s (Analytical)</strong></td>
<td>PARAMETER</td>
</tr>
<tr>
<td><strong>Parameter background levels</strong></td>
<td>PARAMETER_BACKGROUND_LEVEL</td>
</tr>
</tbody>
</table>
Maps

Start searching millions of Los Alamos area environmental monitoring records.

Search data now >
Maps

Live Demonstration
Questions?

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