

2017 International Emission Inventory Conference

SCC Web Service and Web Search

Matthew Kelly

EPA Office of Environmental Information
Data Management Services Division

August 17, 2017

SCC Web Search

- LIVE - www.epa.gov/scc
- Result of CAER short-term wins projects
 - Co-chairs Julia Gamas (EPA), Chun Yi Wu (MN)
- SCCs are used to classify different types of activities that generate emissions
- Categories: Point, Non-point, On-road, Non-road, and event sources
- Codes are kept up-to-date on search page, web services

- SCC Home
- Air Emissions Inventories
- Intro to SCCs
- Help With SCCs
- Envirofacts
- Webfire
- Chief
- SCC Web Services
- User Guide

Source Classification Codes (SCCs)

Contact Us | Share

Source Classification Codes (SCCs)

This is a searchable database containing the most updated SCCs list. You can do a keyword search by typing in a search term in the box below. You can also filter your search by clicking on the filter options to make a selection from the menu. [Learn more about SCCs](#) and how they are structured.

Bulk Download

Download the complete SCC list as a comma-separated list.

[Download List](#) 3.69Mb CSV File

SCC Website Contact

caer@epa.gov

Find an SCC

Search for SCCs by keyword, industry or a partial number.

All Search

Explore SCC List

SHOW

Level 1 · [Level 2](#) · [Level 3](#) · [Level 4](#)

Enter filter keywords

Filter Export

Contains All Any of these words

Tier 1 Descr All

Reset All Filters

FILTER OPTIONS

- Brick Kilns
- Chemical Evaporation
- Domestic Ammonia
- External Combustion
- External Combustion Boilers
- Industrial Processes
- Internal Combustion Engines
- LPG Distribution
- MACT Source Categories
- Miscellaneous Area Sources

SCC Web Search

www.epa.gov/scc

Search by keyword, industry, or a partial number

Download whole list, or export search results

Find an SCC

Search for SCCs by keyword, industry or a partial number.

Explore SCC List

SHOW

Level 1 · [Level 2](#) · [Level 3](#) · [Level 4](#)

Enter filter keywords

Contains All Any of these words

Tier 1 Descr

► FILTER OPTIONS

- Brick Kilns
- Chemical Evaporation
- Domestic Ammonia
- External Combustion
- External Combustion Boilers
- Industrial Processes
- Internal Combustion Engines
- LPG Distribution
- MACT Source Categories

Search for code you need using keyword, industry, or partial number

Drill-down using multiple ways to find your SCC

Filter Options

▼ FILTER OPTIONS

Status

Active

Retired

Data Category:

Event

Non-Point

Non-Road

On-Road

Point

Bulk Download

Download the complete SCC list as a comma-separated list.

[Download List](#) 3.69Mb CSV File

Download
complete list of
SCCs

Find an SCC

Search for SCCs by keyword, industry or a partial number.

All

Search

Want to *Explore* the SCC list instead?

Explore SCC List

Facet Name	Type	Count
------------	------	-------

Induration: Grate/ Kiln , Coal & Oil -fired, Acid Pellets	SCC Level Four	1
---	----------------	---

Induration: Grate/ Kiln , Coal & Oil -fired, Flux Pellets	SCC Level Four	1
---	----------------	---

Induration: Grate/ Kiln , Gas & Oil -fired, Acid Pellets	SCC Level Four	1
--	----------------	---

Induration: Grate/ Kiln , Gas & Oil -fired, Flux Pellets	SCC Level Four	1
--	----------------	---

Other Kiln : Oil Fired	SCC Level Four	1
--------------------------------------	----------------	---

Periodic Kiln : Oil -fired	SCC Level Four	1
--	----------------	---

Presinter Thermal Processing: Fuel Oil -fired Kiln	SCC Level Four	1
--	----------------	---

Roller Kiln : Fuel Oil -fired	SCC Level Four	1
---	----------------	---

Shuttle Kiln : Fuel Oil -fired	SCC Level Four	1
--	----------------	---

Tunnel Kiln : Fuel Oil -fired	SCC Level Four	1
---	----------------	---

Tunnel Kiln : Oil -fired	SCC Level Four	1
--	----------------	---

Keyword search by "oil kiln"

"Periodic Kiln: Oil-fired" details page

Level 4 Detail

^ Hide Header

SCCLevel 1

Industrial Processes

SCCLevel 2

> Mineral Products

SCCLevel 3

> Brick and Structural Clay Products Manufacture

Periodic Kiln: Oil-fired [30500315]

SCC CODE 30500315

STATUS Active

MAP TO

LAST INVENTORY YEAR

DATA CATEGORY Point

DESCRIPTION

SHORT NAME

SECTOR Industrial Processes - NEC

USAGE NOTES

LAST UPDATED 11/21/2016

TIER 1 Other Industrial Processes

TIER 2 Mineral Products

TIER 3 Other

Explore SCC List

SHOW

Level 1 · [Level 2](#) · [Level 3](#) · [Level 4](#)

Enter filter keywords

Filter

Export

Contains All Any of these words

Tier 1 Descr **All** ▼

Reset All Filters

▶ FILTER OPTIONS

- Brick Kilns
- Chemical Evaporation
- Domestic Ammonia
- External Combustion
- External Combustion Boilers
- Industrial Processes
- Internal Combustion Engines
- LPG Distribution

MACT Source Categories

- Agricultural Chemicals Production
- Cellulose-based Resins
- Consumer Product Manufacturing Facilities
- Fibers Production Processes
- Food and Agricultural Processes
- Inorganic Chemicals Manufacturing

Level 1 Detail

MACT Source Categories

- LEVEL 2 SUB-CODES
- Agricultural Chemicals Production
 - Cellulose-based Resins
 - Consumer Product Manufacturing Facilities
 - Fibers Production Processes
 - Food and Agricultural Processes
 - Inorganic Chemicals Manufacturing
 - Miscellaneous Polymers
 - Miscellaneous Processes
 - Miscellaneous Processes (Chemicals)
 - Miscellaneous Resins
 - Styrene or Methacrylate Based Resins
 - Vinyl-based Resins

Drill down by Level

Explore SCC List

SHOW

Level 1 · [Level 2](#) · [Level 3](#) · [Level 4](#)

Enter filter keywords

Filter

Export

Contains All Any of these words

Tier 1 Descr **All** ▼

Reset All Filters

▶ FILTER OPTIONS

- Brick Kilns
- Chemical Evaporation
- Domestic Ammonia
- External Combustion
- External Combustion Boilers
- Industrial Processes
- Internal Combustion Engines
- LPG Distribution
- MACT Source Categories
 - Agricultural Chemicals Production
 - Cellulose-based Resins
 - Consumer Product Manufacturing Facilities
 - Fibers Production Processes
 - Food and Agricultural Processes
 - Inorganic Chemicals Manufacturing

Level 2 Detail

Food and Agricultural Processes

- LEVEL 1 PARENT MACT Source Categories
- LEVEL 3 SUB-CODES
 - Cellulose Food Casing Manufacture
 - Equipment Leaks
 - Wastewater, Aggregate
 - Wastewater, Points of Generation

▲ Hide Header

Drill down by Level

Explore SCC List

SHOW

Level 1 · [Level 2](#) · [Level 3](#) · [Level 4](#)

Enter filter keywords

Filter

Export

Contains All Any of these words

Tier 1 Descr All ▼

Reset All Filters

▶ FILTER OPTIONS

- Brick Kilns
- Chemical Evaporation
- Domestic Ammonia
- External Combustion
- External Combustion Boilers
- Industrial Processes
- Internal Combustion Engines
- LPG Distribution
- MACT Source Categories
 - Agricultural Chemicals Production
 - Cellulose-based Resins
 - Consumer Product Manufacturing Facilities
 - Fibers Production Processes
 - Food and Agricultural Processes
 - Inorganic Chemicals Manufacturing
 - Miscellaneous Polymers

Level 3 Detail

Wastewater, Points of Generation

LEVEL 1 PARENT

MACT Source Categories

LEVEL 2 PARENT

Food and Agricultural Processes

LEVEL 4 SUB-CODES

- Acid Bath Evaporator
- Specify Point of Generation
- Viscose Filtering
- Water Washing

▲ Hide Header

Drill down by Level

Explore SCC List

SHOW

Level 1 · [Level 2](#) · [Level 3](#) · [Level 4](#)

Enter filter keywords

Filter

Export

Contains All Any of these words

Tier 1 Descr **All**

Reset All Filters

FILTER OPTIONS

Brick Kilns

Chemical Evaporation

Domestic Ammonia

External Combustion

External Combustion Boilers

Industrial Processes

Internal Combustion Engines

LPG Distribution

MACT Source Categories

Agricultural Chemicals Production

Cellulose-based Resins

Consumer Product Manufacturing Facilities

Fibers Production Processes

Food and Agricultural Processes

Inorganic Chemicals Manufacturing

Miscellaneous Polymers

Level 4 Detail

SCCLevel 1

MACT Source Categories

SCCLevel 2

> Food and Agricultural Processes

SCCLevel 3

> Wastewater, Points of Generation

Acid Bath Evaporator [62582503]

SCC CODE 62582503

STATUS Active

MAP TO

LAST INVENTORY YEAR

DATA CATEGORY Point

DESCRIPTION

SHORT NAME

SECTOR Industrial Processes - NEC

USAGE NOTES

LAST UPDATED 3/20/2012

TIER 1 Waste Disposal & Recycling

TIER 2 Industrial Waste Water

TIER 3 Other

Drill down by Level

SCC Web Services

- <https://ofmpub.epa.gov/sccwebservices/>
- Best way to ensure your website/system uses the most up-to-date codes
- Allow searching for SCCs by name or facet, as well querying by code
- JSON, XML, or CSV output

[Query Services](#)

[Sample URLs](#)

[Demo](#)

SCC Web Services

The SCC Web Services provides an interface to the terms and descriptions that are related to Source Classification Codes (SCC) found in the [Terminology Services](#) (TS) registry.

The web services provided allow searching for SCCs by name or facet, as well as querying an SCC by its code. JSON, XML, or CSV output is returned.

Query Services

Search SCCs by Facet

```
GET /SCC
```

Summary

This service queries SCCs by one or more facet. When searching a facet, all four facet parameters (facetName[], facetValue[], facetQualifier[], facetMatchType[]) must be supplied.

Parameters

Name	Description
facetName[]	The name of the facet to search. Multiple facet names may be passed, separated by the pipe () character. Possible facet names include: Activity Value Required?, Code, Data Category, ERT Valid, History, Last Updated Date, SCC Level Four, SCC Level One, SCC Level Three, SCC Level Two, Sector, Status, Tier 1 Code, Tier 1 Description, Tier 2 Code, Tier 2 Description, Tier 3 Code, Tier 3 Description
facetValue[]	The value to search for the specified facetName. Multiple values may be passed, separated by the pipe () character.
facetQualifier[]	The qualifier to use when searching the specified facetName. Possible values: contains, begins, exact. If omitted, contains is used by default.
facetMatchType[]	The type of match to perform when searching. Possible values: all_words, any_word, whole_phrase. If omitted, all_words is used by default.
sortFacet	The facet to sort results by. If omitted, the results are sorted by code.

← → ↻ 🏠 <https://ofmpub.epa.gov:443/sccwebservices/v1/SCC/2303020000>

URL to call details
for SCC code

Results Sample

```
{
  "code": "2303020000",
  "attributes": {
    "Tier 3 Description": "Primary",
    "Activity Value Required?": "No",
    "Tier 3 Code": "01",
    "Sector": "Industrial Processes - Ferrous Metals",
    "Tier 2 Code": "02",
    "SCC Level Four": "Total",
    "Tier 1 Description": "Metals Processing",
    "SCC Level One": "Industrial Processes",
    "Status": "Active",
    "Tier 2 Description": "Ferrous Metals Processing",
    "Data Category": "Nonpoint",
    "Last Updated Date": "3/14/2012",
    "SCC Level Two": "Primary Metal Production: SIC 33",
    "Tier 1 Code": "05",
    "SCC Level Three": "Iron and Steel Foundries"
  }
}
```

Questions?

To visit the SCC search page and access documentation on web services, please visit:

<https://www.epa.gov/scc>

SCC Website Contact: caer@epa.gov