

Updates to Title 129 Nebraska's Air Quality Regulations

An Overview, and What It Means For You

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Today's Presentation

- Title 129 Development
- Key Changes
- Title Reorganization
- State Implementation Plan (SIP) Adoption
- What This All Means for YOU
- Questions







Today's Presentation

- If you have questions during the presentation, please enter them in the chat box.
- For any questions you have after the presentations is over, please email your detailed question to

NDEE.AirQuality@nebraska.gov





Development of Title 129 Proposal

- Executive Order No. 17-04, signed in July 2017
- Development began in 2018
 - Collaboration back-and-forth with EPA and the Governor's Policy Research Office
 - Worked closely with EPA throughout to facilitate State
 Implementation Plan (SIP) approval more on this later
- Informal Outreach in 2021
- Formal Outreach and EQC Meeting in 2022





Key Changes

- Code of Federal Regulations (CFR) are Incorporated By Reference (more on this later);
- Added necessary definitions, and remove definitions that no longer appear within the Title;
- Added permissible pre-permit state construction permit activities; ...





Key Changes

- Provided flexibility to Operating Permit Class II permit lifetimes;
- Address some transfer of ownership issues; and
- Updated references to the National Ambient Air Quality Standards (NAAQS) and other federal standards to 2020





Key Changes – Definition Additions

Common Control

 - 002.06 "Common control" means one person or a number of persons acting together through ownership, management, contract, or otherwise to control pollutant emitting activities.

Support Facility

— <u>002.100</u> "Support Facility" means a facility which conveys, stores, or otherwise assists in the production of a stationary's source's primary product. The Department will make a determination on the status of a support facility relationship...





Key Changes – Permissible Preconstruction Activities

- Applies to minor New Source Review (NSR) permits only
 - Clarifies requirements that need to be met <u>if</u> a source decides to conduct certain construction activities <u>before</u> a permit is issued
- <u>DOES NOT</u> apply to Major NSR sources, which are covered under Chapter 4 or who would be major before getting a permit that makes them minor





Key Changes – OP Class II Permit Durations

- Synthetic minor sources for a fixed term not to exceed 10 years
- True minor sources for the life of the source
- If the source is a municipal power plant, a mobile power generator, or has a general operating permits for an incinerator – permits are issued for the life of the source
- Director may still issue an operating permit for a shorter time





Key Changes – Transfer of Ownership

 Allows for a written certification to be provided to the Department from the new owner or operator which states acceptance of all active permits as issued in cases where the previous owner(s) cannot be located or are not in existence





Key Changes – Federal Rule Effective Dates

- SEL ANT ANT ANT ANT ANT ANT ANT All are now updated to July 1, 2020
 - Definitions
 - National Ambient Air Quality Standards
 - Visibility Protection
 - New Source Review
 - Acid Rain
 - Title V Program
 - NSPSs and NESHAPs





- Chapter Reorganization
 - Past version: 43 chapters
 - Revised version: 16 chapters
- Appendix Reorganization
 - Past version: three (3) appendices
 - Revised version: two (2) appendices
 - Removed Appendix III (duplicative of Appendix II)





Title Reorganization – Key Changes

- Chapter 3 Construction Permits
- Chapter 4 Prevention of Significant Deterioration of Air Quality
- Chapter 6 Operating Permits
 - Previous chapters 5, 7, 8, 10, 11, 12, 13, 29, and 31
- Chapter 15 Compliance
 - Previous chapters 20, 30, 32, 33, 34, 35, 36





- Chapter 1 Definitions
- Chapter 2 Nebraska Air Quality Standards
- Chapter 3 Construction Permits
- Chapter 4 PSD Permitting
- Chapter 5 Acid Rain
- Chapter 6 Operating Permits
- Chapter 7 General Permits





- Chapter 8 Permits by Rule
- Chapter 9 Permit Revisions; Reopening
- Chapter 10 Public Participation
- Chapter 11 Emission Inventory Reporting
- Chapter 12 New Source Performance Standards
- Chapter 13 Hazardous Air Pollutants





- Chapter 14 Incinerators
- Chapter 15 Compliance
- Chapter 16 Sulfur Compound and Nitrogen Oxides
 Emissions Standards
- Appendix I Hazardous Air Pollutants
- Appendix II Air Pollution Emergency Episodes





Nebraska's SIP

- What is a SIP?
 - A State Implementation Plan (SIP) is a collection of regulations and documents used by a state, territory, or local air district to implement, maintain, and enforce the requirements of the Clean Air Act (CAA)
- SIPs are revised when state or federal regulations are changed
 - Nebraska's EPA-approved SIPs are available at www.epa.gov/sips-ne





Nebraska's SIP – How is it Approved?

- State submits a request to EPA to revise the SIP
 - Request includes new regulations and documentation to show
 CAA requirements are met (state adoption, public participation, etc.)
- EPA reviews for completeness and compliance with Clean Air Act requirements
 - Returned to state if incomplete and/or requirements not met





Nebraska's SIP – How is it Approved?

- EPA publishes proposed action in the Federal Register
 - Open to public comments for at least 30 days
- Final action is published after the comment period (approval, disapproval, or partial approval)





Nebraska's SIP - During the "SIP Gap"

- This is the time between the effective date of new state regulations and EPA approval of the SIP revision
- Two different sets of requirements could apply to sources during this time
 - The new state regulations are enforceable by the State (NDEE)
 - Federal and state regulations in the current EPA-approved
 SIP are enforceable by EPA





Nebraska's SIP – What If...

- What if regulations aren't approved into the SIP?
 - EPA may disapprove the SIP revision
 - State regulations are still enforceable by the State (NDEE)
 - Coordination with EPA when developing state regulations helps prevent this situation





Nebraska's SIP – What If...

- Why aren't some state regulations approved into the SIP?
 - Some are subject to non-SIP sections of the CAA
 - NSPS (Chapter 12) approved pursuant to CAA section
 111(d)
 - Operating Permit fees (Chap 6, Section <u>009</u>) approved pursuant to Title V of the CAA





What this all means for You

- New Air Page on NDEE Website http://dee.ne.gov
 - Main page has been updated, including a link to a new webpage and a new crosswalk tool to help you (more on this shortly)
- NDEE Guidance Documents
 - All are updated to the new Title 129 references
- NDEE Permits and Applications
 - All are updated to the new Title 129 references





What This All Means for You

- What about my existing construction permits?
 - Will remain with the old Title 129 references unless sources come in for a minor or major revision
 - During a revision, any superseded permit conditions will use the new Title 129 references
- What about any new construction or operating permits?
 - Any new construction permits will use the new Title 129 references
 - Operating permits will use the new Title 129 references, but will include the relevant construction permit references (new or old)





What This All Means for You - Class II OPs

- What about my existing Class II operating permit?
 - If your source has a Class II permit that may be eligible for a 10 year or lifetime duration, these permits durations will not retroactively change
 - Any Class II sources eligible to have a permit duration extension will see those new durations go into effect when their permit is renewed





What This All Means for You – Navigating the Changes

- How do I navigate the revised regulations?
 - A crosswalk document is available for use to locate content in the revised regulations

http://dee.ne.gov/Publica.nsf/Pages/22-069



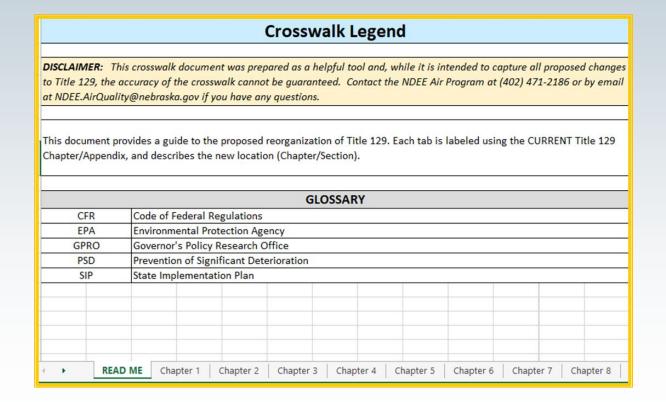




What This All Means for You – Navigating the Changes

• The Crosswalk Tool:

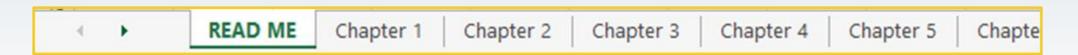
"HEY SIRI"





What This All Means for You – Using the Crosswalk

 Step 1: Click on the tab corresponding to the chapter of the previous version of Title 129 referenced in your permit







What This All Means for You – Using the Crosswalk

- Step 2: Locate the old section number (Column A)
- Step 3: See the new location (Column B)
- Step 4: View additional information provided in Column C

\overline{A}	А	В	С
1	Chapter 3		
2	Original Section	New Chapter and Section	Special Notes
3	Chapter title	Ch 2, 004	Chapter title "Regions and Subregions: How Classified" incorporated into revised section 004.



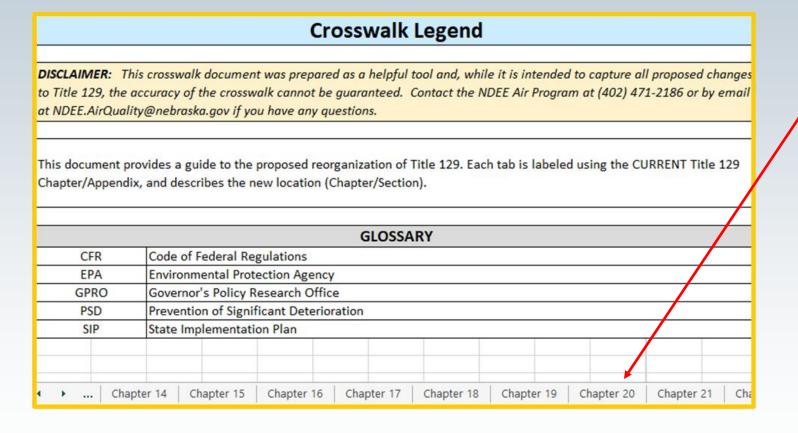
- How do I use the crosswalk?
- Where did
 Chapter 20,
 Section 004
 move to?

- point EP-2, EP-4, EP-5 and EP-6 when each emission unit is operating under normal conditions. These surveys shall be conducted after the normal start-up period or 30 minutes after initial start-up, whichever is sooner, and shall be conducted during daylight hours [Title 129, Chapter 8, Sections <u>004.01B</u> and <u>015</u>; Chapter 20, Section <u>004</u>]
- For deviation reporting purposes, visible emissions (excluding water vapor) from any emission point shall be considered a deviation and shall be reported in accordance with Condition II.(A).
- (e) To comply with Condition III.(A)(2)(c), emission units EU-2, EU-4, EU-5, and EU-6 shall each be equipped with a non-resettable hour meter to monitor the operating hours of each emission unit. [Title 129, Chapter 8, Sections <u>004.01</u> and <u>015</u>].
- (5) Recordkeeping and Reporting Requirements:
 - (a) The source shall comply with all applicable recordkeeping and reporting requirements in NESHAP ZZZZ for emission units EU-2, EU-4, EU-5 and EU-6 [Title 129, Chapter 28, Section 001.88].
 - (b) The source shall keep records of: [Title 129, Chapter 8, Section <u>004.02</u> and <u>015</u>]
 - (i) The total kWh generated by emission units EU-2, EU-4, EU-5, and EU-6 combined for each month and each period of twelve (12) consecutive rolling calendar months.
 - (ii) All fuel deliveries, including the delivery date and type of fuel.
 - (iii) The hours of operation of each emission unit EU-2, EU-4, EU-5, and EU-6, as





Step 1:
 Search for
 the correct
 chapter tab





 Step 2: Find the old chapter and section reference in Column A

А	В	C
Chapter 20		
Original Section	New Chapter and Section	Special Notes
Chapter title	Ch 15, 001	Chapter 20 is now section 001 of Chapter 15.
001	Ch 15, 001.01	
001.01	Ch 15, 001.01A	
002	Ch 15, 001.02	
003	Ch 15, 001.03	
004	Ch 15, 001.04	
005	Ch 15, 001.05	





 Step 3: Find the new chapter and section reference in Column B

А	В	C		
Chapter 20				
Original Section	New Chapter and Section	Special Notes		
Chapter title	Ch 15, 001	Chapter 20 is now section 001 of Chapter 15.		
001	Ch 15, 001.01			
001.01	Ch 15, 001.01A			
002	Ch 15, 001.02			
003	Ch 15, 001.03			
004	Ch 15, 001.04			
005	Ch 15, 001.05			

 Chapter 20, Section <u>004</u> is now found in Chapter 15, Section <u>001.04</u>





 Step 4: Any special notes are found in Column C

А	В	С
Chapter 20		
Original Section	New Chapter and Section	Special Notes
Chapter title	Ch 15, 001	Chapter 20 is now section 001 of Chapter 15.
001	Ch 15, 001.01	
001.01	Ch 15, 001.01A	
002	Ch 15, 001.02	
003	Ch 15, 001.03	
004	Ch 15, 001.04	
005	Ch 15, 001.05	



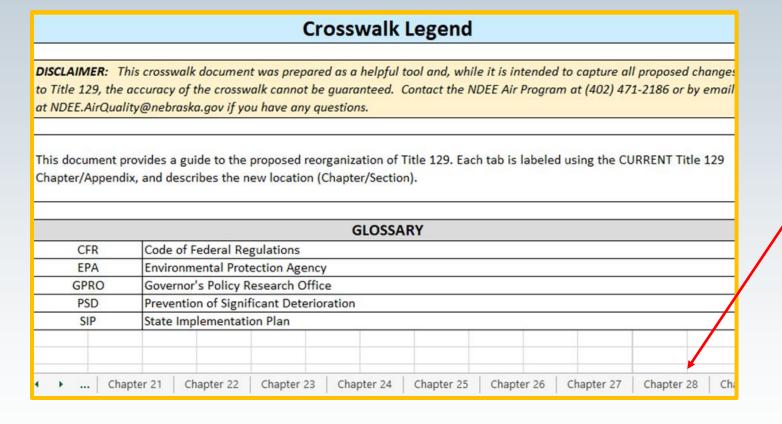
- How do I use the crosswalk?
- Where did
 Chapter 28,
 Section
 001.88
 move to?

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Step 1:
 Search for
 the correct
 chapter tab





 Step 2: Find the old chapter and section reference in Column A

Chapter 28		
Original Section	New Chapter and Section	Special Notes
Chapter title	Ch 13, 002	Chapter 28 is now in sections 002 and 003 of Chapter 13.
001	Ch 13, 002	Renumbered consistent with formatting. Updated all previously adopted and incorporated NESHAPs in 40 CFR Part 63, from July 1, 2013 to July 1, 2020.
001.01 - 001.122	Ch 13, 002.01 - 002.121	Reorganized based on Subpart name.
001.90	n/a	Deleted - was a reserved spaceholder.
002	n/a	Deleted - language unnecessary as it placed no requirements on the public.
003	Ch 13, 003	
003.01	Ch 13, 003.01	
003.01A	Ch13, 003.01A	
003.01B	Ch13, 003.01B	
003.01C	Ch13, 003.01C	
003.01D	Ch13, 003.01D	
003.01D1	Ch13, 003.01D1	





 Step 3: Find the new chapter and section reference in Column B

Chapter 28		
Original Section	New Chapter and Section	Special Notes
Chapter title	Ch 13, 002	Chapter 28 is now in sections 002 and 003 of Chapter 13.
001	Ch 13, 002	Renumbered consistent with formatting. Updated all previously adopted and incorporated NESHAPs in 40 CFR Part 63, from July 1, 2013 to July 1, 2020.
001.01 - 001.122	Ch 13, 002.01 - 002.121	Reorganized based on Subpart name.
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003	Ch 13, 003	
003.01	Ch 13, 003.01	
003.01A	Ch13, 003.01A	
003.01B	Ch13, 003.01B	
003.01C	Ch13, 003.01C	
003.01D	Ch13, 003.01D	
003.01D1	Ch13, 003.01D1	





 Step 4: Any special notes are found in Column C

Chapter 28		
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Chapter title	Ch 13, 002	Chapter 28 is now in sections 002 and 003 of Chapter 13.
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003.01	Ch 13, 003.01	
003.01A	Ch13, 003.01A	
003.01B	Ch13, 003.01B	
003.01C	Ch13, 003.01C	
003.01D	Ch13, 003.01D	
003.01D1	Ch13, 003.01D1	





 Reading down Section 002, we find **NESHAP ZZZZ** is now found in Chapter 13, Section 002.78

002.74 Subpart VVVV - Boat Manufacturing
002.75 Subpart WWWW - Reinforced Plastics Composite Manufacturing
002.76 Subpart XXXX - Tire Manufacturing
002.77 Subpart YYYY - Stationary Combustion Turbines
002.78 Subpart ZZZZ - Reciprocating Internal Combustion Engines
002.79 Subpart AAAAA - Lime Manufacturing
002.80 Subpart DDDDD - Industrial, Commercial and Institutional Boilers and Process Heaters (major sources)



...but what if the crosswalk, or the Section says the previous language was incorporated by reference?

002.89 "Responsible official" means the definition found at 40 CFR § 70.2.

<u>002.90</u> "Significant" means, as pertains to a modification in a nonattainment area, a net increase in actual emissions by a rate that would equal or exceed the rates specified in 40 CFR Part 51 Appendix S. H.A.10.

<u>002.91</u> "Source" means any property, real or personal, or person contributing to air pollution.

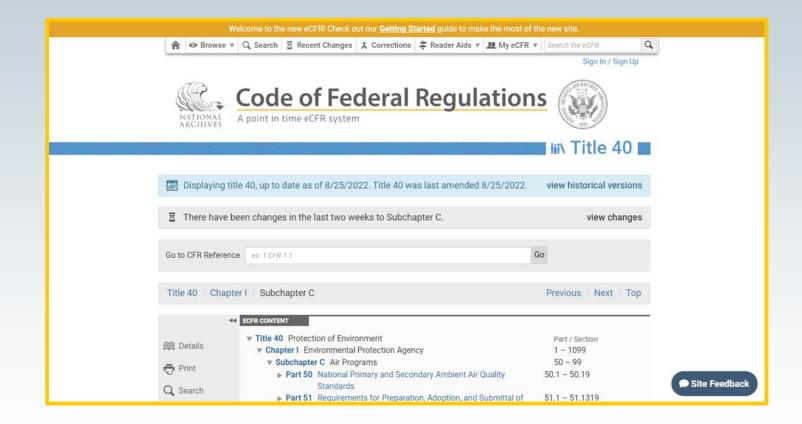
002.92 "Stack" means the definition found at 40 CFR § 51.100(ff).

002.93 "Stack in existence" means the definition found at 40 CFR § 51.100(gg).





 How do I find the Code of Federal Regulations (CFR)?







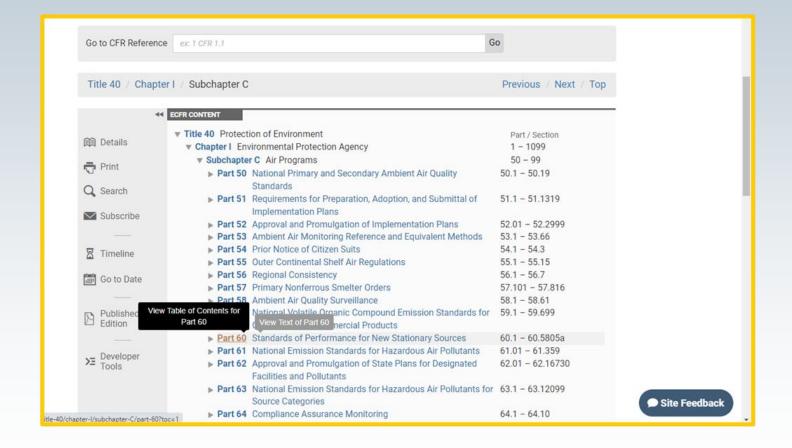
- Step 1: Access the electronic CFR at the URL
 - https://www.ecfr.gov/current/title-40/chapter-I/subchapter-C







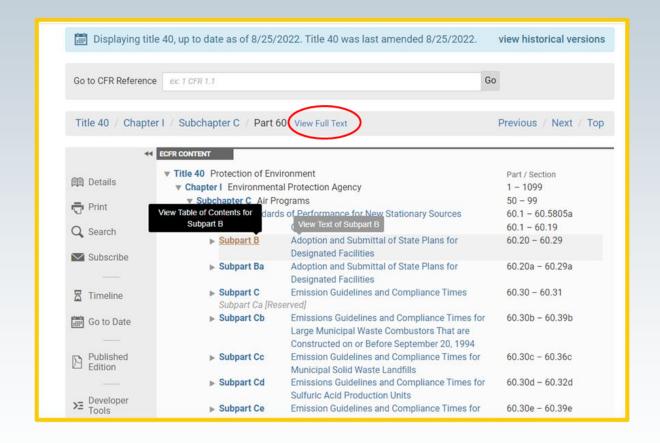
Step 2: Click
 on the "Part"
 applicable to
 the reference
 in the NEW
 Title 129







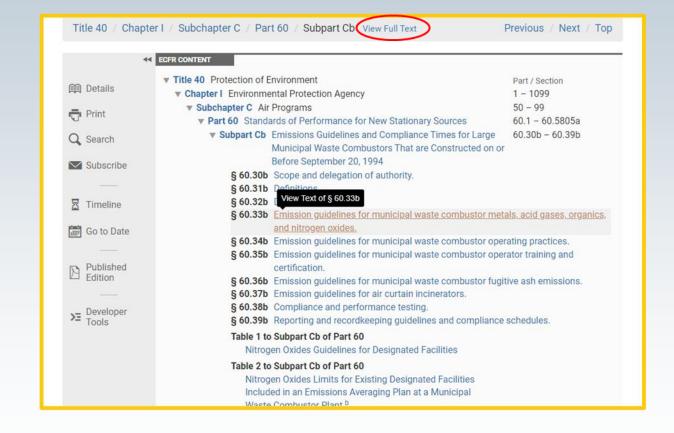
 Step 3: Click on the "Subpart" applicable to the part/section you wish to access or "View Full Text"







Step 4: Select
 "View Full Text"
 or specific
 subsection (§)







What is the CFR definition of "Responsible Official"?

002.89 "Responsible official" means the definition found at 40 CFR § 70.2.

002.90 "Significant" means, as pertains to a modification in a nonattainment area, a net increase in actual emissions by a rate that would equal or exceed the rates specified in 40 CFR Part 51 Appendix S, II.A.10.

<u>002.91</u> "Source" means any property, real or personal, or person contributing to air pollution.

002.92 "Stack" means the definition found at 40 CFR § 51.100(ff).

002.93 "Stack in existence" means the definition found at 40 CFR § 51.100(gg).





- Step 1: Access the electronic CFR at the URL
 - https://www.ecfr.gov/current/title-40/chapter-I/subchapter-C







 Step 2: Click on the "Part" applicable to the reference in the NEW Title 129

▶ Part 68	Chemical Accident Prevention Provisions	68.1 - 68.220
▶ Part 69	Special Exemptions from Requirements of the Clean Air Act	69.11 - 69.52
▶ Part 70	State Operating Permit Programs	70.1 - 70.14
▶ Part 71	Federal Operating Permit Programs	71.1 - 71.27
▶ Part 72	Permits Regulation	72.1 - 72.96
▶ Part 73	Sulfur Dioxide Allowance System	73.1 73.90





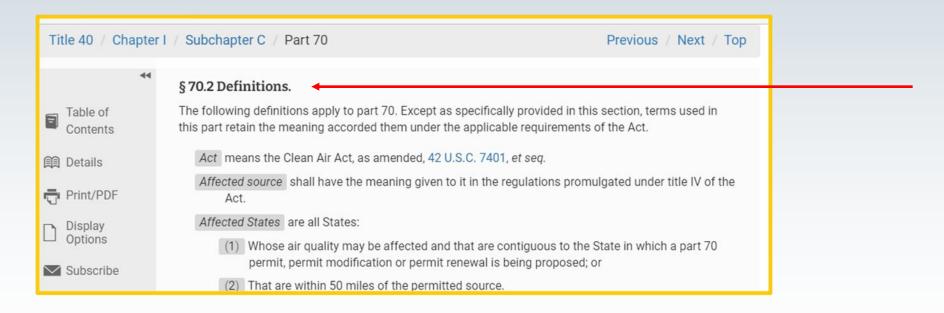
• Step 3: Click on the "Subpart" applicable to the part/section you wish to access or "View Full Text"

Î	▶ Part 68	Chemical Accident Prevention Provisions	68.1 - 68.220
ı	▶ Part 69	Special Exemptions from Requirements of the Clean Air Act	69.11 - 69.52
١	▶ Part 70	State Operating Permit Programs	70.1 - 70.14
ı	▶ Part 71	Federal Operating Permit Programs	71.1 - 71.27
١	▶ Part 72	Permits Regulation	72.1 - 72.96
١	▶ Part 73	Sulfur Dioxide Allowance System	73.1 - 73.90
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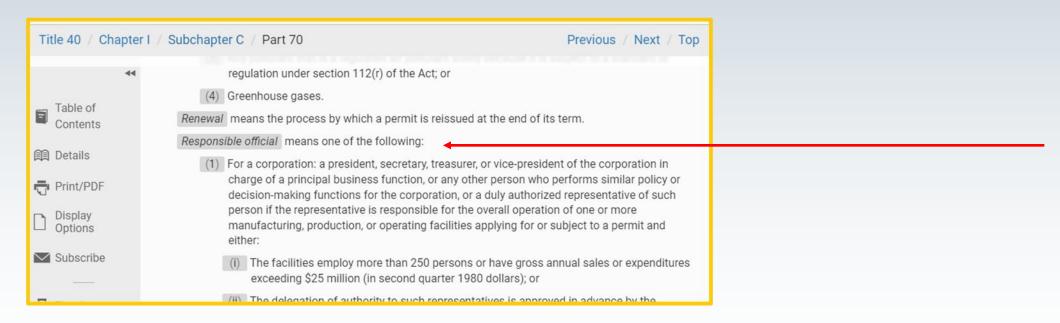
- Step 4: Select "View Full Text" or specific subsection (§)
 - In this case, 40 CFR 70.2







- Step 4: Select "View Full Text" or specific subsection (§)
 - Scroll down to the specific subsection







Questions?

- Visit the NDEE Assistance Webpage:
 - http://dee.ne.gov/NDEQProg.nsf/OnWeb/Assistance
- Email the Air Program:
 - NDEE.AirQuality@nebraska.gov
- Call Us: (402) 471-2186

