

**BEFORE THE PUBLIC UTILITIES COMMISSION
OF THE STATE OF SOUTH DAKOTA**

**IN THE MATTER OF THE APPLICATION BY SCS CARBON TRANSPORT LLC FOR
A PERMIT TO CONSTRUCT A CARBON DIOXIDE TRANSMISSION PIPELINE**

DOCKET NO. HP22-001

**Direct Testimony of Gary Napp
On Behalf of the Staff of the South Dakota Public Utilities Commission
June 23, 2023**

1 **Q: Please state your name and business address.**
2
3 A: Gary Napp, 75 Valley Stream Parkway, Suite 200, Malvern, Pennsylvania 19355
4
5 **Q: Describe your educational background.**
6
7 A: I received a Bachelor of Science degree in Environmental Resource Management
8 from the Pennsylvania State University and a Master of Engineering Administration
9 degree from the George Washington University.
10
11 **Q: By whom are you now employed?**
12
13 A: I have been employed by Environmental Resources Management, Inc. since
14 September 2019.
15
16 **Q: What work experience have you had that is relevant to your involvement on
17 this project?**
18
19 A: I have 44 years of air quality experience in air quality permitting and air quality
20 modeling. Some of that experience is air quality permitting and modeling for
21 interstate natural gas pipeline facilities, including the development of numerous
22 Resource Report 9 submittals to the Federal Energy Regulatory Commission
23 (FERC). Throughout my career I have been responsible for a broad range of air
24 quality permitting projects in the mid -Atlantic and Northeast states. In addition to
25 complying with the varied state air quality permitting regulations, I have experience
26 in key Federal regulations including Title V operating permits, Prevention of
27 Significant Deterioration and Non-Attainment New Source Review (NSR), New
28 Source Performance Standards (NSPS), and National Emission Standards for
29 Hazardous Air Pollutants (NESHAPS), Many of my projects have included
30 development of Best Available Control Technology (BACT), Reasonable Available
31 Control Technology (RACT) and Lowest Achievable Emission Rate (LAER)
32 analyses. I have also conducted and managed numerous risk assessment projects
33 focused on emissions of toxic air pollutants. I have tracked and analyzed numerous
34 air-related regulatory initiatives and issues throughout my career.
35
36 **Q: What is the purpose of your testimony?**
37
38 A: To review the assessment of air quality permitting requirements provided in the
39 application associated with the construction of the SCS Carbon Transport LLC
40 Midwest Carbon Express Project.
41
42 **Q: Did you review Section 5.7 of SCS's Supplement of the Application (dated
43 October 13, 2022) that addresses the project's impacts to air quality?**
44

45 A: Yes. I reviewed Section 5.7 – Air Quality of the SCS Supplement of the Application
46 where the applicant summarized the potential air quality impacts of the project
47 including fugitive and mobile source emissions during construction.
48

49 **Q: In your opinion, did SCS properly address ARSD 20:10:22:21?**
50

51 A: Yes. SCS stated in Section 5.7 of the Supplement of the Application that it will
52 comply with all South Dakota and federal air quality regulations that are applicable
53 to the proposed project. Potential emissions from construction and mobile sources
54 are not subject to South Dakota air quality regulations found at ARSD Article 74:36.
55 In addition, because there are no National Ambient Air Quality Standard (NAAQS)
56 nonattainment areas in all of South Dakota, the Clean Air Act conformity
57 requirements do not apply. Based on this information, the proposed pipeline will
58 comply with all applicable air quality standards and regulations.
59

60 **Q: Did you find SCS’s analysis on potential impacts to Air Quality consistent**
61 **with industry standards and complete?**
62

63 A: SCS’s analysis of potential air quality impacts is consistent with industry standards
64 and is complete taking into account the equipment that will be used to construct
65 and operate the facilities. According to SCS there will be no combustion emissions
66 from the facilities. The Supplement of the Application states that the pumps at the
67 pump stations will be electric-driven. In its Response to Staff’s Fifth Data Request,
68 SCS confirmed that the launcher and receiver equipment and the mainline valves
69 proposed in South Dakota for this project are also electric powered. As described
70 in the Supplement of the Application, emissions of fugitive dust and tailpipe
71 emissions from construction of Project facilities will be short-term, localized to
72 construction sites and will steadily decrease with distance, therefore these
73 emissions should result in minor air quality impacts.
74

75 **Q: Do SCS’s proposed construction techniques and mitigation measures**
76 **adequately minimize fugitive particulate emissions?**
77

78 A: SCS states in Section 5.7 that fugitive particle emission impacts in residential and
79 commercial areas adjacent to pipeline construction will be minimized by utilizing
80 dust minimization techniques, such as minimizing exposed soil areas, reducing
81 vehicle driving speeds, and watering or using soil amendments along the exposed
82 soils of the right-of-way, as needed. The measures outlined by SCS should be
83 adequate.
84

85 **Q: Do you have any additional recommendations for SCS to further mitigate**
86 **the impacts the project may have on Air Quality? Please explain.**
87

88 A: Yes. In addition to the measures listed in Section 5.7 of the Supplement of the
89 Application, the following should be considered:
90

- Use low-emitting equipment that is properly maintained.

- 91 • Tarps or dust covers should be utilized on equipment such as dump trucks
92 when transporting materials with significant dust content for the project. In
93 addition, trucks should be cleaned regularly to remove any dust or dirt that may
94 have accumulated.
95 • Minimize idling of construction equipment and diesel-powered vehicles to
96 reduce diesel exhaust emissions.

97
98 **Q: Did you review sections 1.8 of SCS’s Supplement of the Application that**
99 **addresses other required permits and approvals?**

100
101 A: Yes. I reviewed Section 1.8 – Other Required Permits and Approvals of the SCS
102 Supplement of the Application, which presents applicable state and federal permits
103 for the construction of the pipeline.

104
105 **Q: Will SCS be required to obtain any state or federal air quality permits for**
106 **the Project?**

107
108 A: SCS will not be required to obtain any state or federal air quality permits based on
109 the information presented in the Supplement of the Application.

110
111 **Q: Do you agree with SCS’s findings and conclusions regarding potential**
112 **impacts on Air Quality?**

113
114 A: Based on the information provided in the Supplement of the Application, I agree
115 that there are no stationary source air quality permits required for construction and
116 operation of the SCS Midwest Carbon Express Project.

117
118 **Q: Does this conclude your testimony?**

119
120 A: Yes.