

APPENDIX D

COMMENT RESPONSE DOCUMENT

D.1 Introduction

On November 16, 2001, the U.S. Department of Energy (DOE) published the *Kentucky Pioneer Integrated Gasification Combined Cycle Demonstration Project Draft Environmental Impact Statement* (Kentucky Pioneer IGCC Demonstration Project Draft EIS). The Kentucky Pioneer IGCC Demonstration Project Draft EIS assessed the potential environmental impacts that would result from the Proposed Action to provide cost-shared financial support for construction and operation of an electrical power station demonstrating use of a Clean Coal Technology in Clark County, Kentucky. Under the Proposed Action, DOE would provide financial assistance, through a Cooperative Agreement with Kentucky Pioneer Energy, LLC (KPE), for design, construction, and operation of a 540 megawatt demonstration power station comprised of two syngas-fired combined cycle units in Clark County, Kentucky. The station would also be comprised of a British Gas Lurgi (BGL) gasifier to produce synthesis gas (syngas) from a cofeed of coal and refuse-derived fuel pellets. The facility would be powered by the syngas feed. Two No Action Alternatives are analyzed in the Kentucky Pioneer IGCC Demonstration Project Draft EIS. Under No Action Alternative 1, DOE would not provide cost-shared funding for construction and operation of the proposed facility and no new facility would be built. Under No Action Alternative 2, DOE would not provide any funding and, instead of the proposed demonstration project, KPE would construct and operate a 540 megawatt natural gas-fired power station. Following requirements set forth in the *National Environmental Policy Act* (NEPA) and its implementing regulations, DOE established a comment period to allow the public to review and comment on the Kentucky Pioneer IGCC Demonstration Project Draft EIS. The public comment period was from November 16, 2001, through January 4, 2002. To accommodate requests from the public, DOE extended the public comment period on the Kentucky Pioneer IGCC Demonstration Project Draft EIS from January 4, 2002, to January 25, 2002. However, late comments were fully considered.

Two public meetings at two different locations were held during the comment period so that members of the public could provide comments and receive feedback to questions on the Kentucky Pioneer IGCC Demonstration Project Draft EIS. One meeting was held on December 10, 2001, at the Lexington Public Library in Lexington, Kentucky, and the other on December 11, 2001, at Trapp Elementary School in Trapp, Kentucky. In addition, the public was encouraged to submit comments via U.S. mail, electronic mail, facsimile, telephone and through written and verbal comments submitted at the public meetings. The public meetings were recorded by a court reporter to provide a verbatim transcript of the proceedings and record any formal comments.

Attendance at each meeting and the number of comments recorded, as well as the documents received via other methods during the public comment period, are presented in Tables D-1 and D-2, respectively. Attendance numbers for the public meetings were based on the number of participants who signed the attendance sheets that were provided. Some commentors submitted the same comments via a number of methods (i.e., fax and mail). In this instance, the comments were analyzed to ensure that they are the same comments, if they were exactly the same, they were counted as one submittal. The more legible submittal was included in this section.

Table D-1. Meeting Attendance and Oral Comments

Public Meetings	Date	Attendees	Oral Comments
Lexington, KY	December 10, 2001	21	53
Trapp, KY	December 11, 2001	41	65
Total		62	118

Table D-2. Document and Comment Submission Overview

Method of Submission	Documents Received	Comments
Mail-in	31	226
Fax	2	14
Public Hearing Transcript	2	118
Electronic Mail	1	3
Telephone	2	12
Total	38	373

D.2 COMMENT ANALYSIS AND RESPONSE PROCESS

Tables are provided in this section to assist readers in locating comments regarding the Kentucky Pioneer IGCC Demonstration Project Draft EIS. Comments were identified and categorized by issue (e.g., water resources, air quality, proposed action) and assigned a two digit issue code. An issue code is the term assigned to a general topic to identify similar comments for proper response. Table D-3 lists general topics and corresponding issue codes. The issue codes were developed based on the topics discussed in the Kentucky Pioneer IGCC Demonstration Project Draft EIS. The majority of identified comments were responded to on a one-by-one basis. Comments that are similar in content were given the same response.

Table D-4 identifies public meeting attendees at each meeting. Table D-5 identifies the public meeting attendees that provided oral comments and the corresponding transcript page number identifying the beginning of the comments. Table D-6 lists all individuals, agencies, companies, organizations, and special interest groups' comment documents, including comments from the public meeting attendees. Commentors are listed alphabetically by last name or organization with the corresponding page number on which the actual comment appears. Also listed in this table is the issue code assigned to the comments found within each document. Table D-7 lists those documents considered to be multiple signatory documents, showing the page numbers where the actual comments and assigned issue codes appear. A multiple signatory document is a document that has been submitted or signed by more than two individuals or organizations.

Commentors wishing to view comments similar in content should refer to Table D-8, which lists the issue codes of the general topics and the page numbers where the similar comments are located. Multiple page numbers indicate several comments on the same issue.

Table D-3. Kentucky Pioneer IGCC Demonstration Project EIS Issue Codes

Code	Issue
01	Land Use
02	Socioeconomics
03	Cultural Resources
04	Aesthetic and Scenic Resources
05	Geology
06	Air Resources
07	Water Resources and Water Quality
08	Ecological Resources
09	Noise
10	Traffic and Transportation
11	Occupational and Public Health and Safety
12	Waste Management
13	Environmental Justice
14	Policy/Purpose and Need/Scope
15	Cost and Schedule
16	Proposed Action
17	No Action Alternative 1
18	No Action Alternative 2
19	Alternative Considered But Eliminated
20	Other NEPA Section
21	Regulatory Compliance <ul style="list-style-type: none">• NEPA Process• Public Involvement/Community Relations
22	Outside the Scope of the EIS
23	Editorial

Table D-4. Public Meeting Attendees

Attendees on December 10, 2001-Lexington, KY

Amick, Mark, Lexington, KY
Anderson, Joe, Lexington, KY
Bhatt, Ramesh, Lexington, KY
Caicedo, Ed, ECI Engineers, Lexington, KY
Carew, Mark, Irvine, KY
Caufield, Rita, Lexington, KY
Collins, Lisa, Lexington, KY
Crewe, Phil, Sierra Club, Lexington, KY
Draus, Patty, Lexington, KY
Herrick, Will, Campton, KY
Hopper, Hillary Lambert, Sierra Club, Lexington, KY
Huestis, Chris, Lexington, KY
Lockwood, Dwight, Global Energy, Cincinnati, OH
Mattingly, Jim, Lexington, KY
McCarthy, Bernard, Lexington, KY
McKenzie, Erin, Lexington, KY
Pratt, Don, Lexington, KY
Schulz, Naomi, Kentucky Environmental Foundation, Berea, KY
Shadowen, Joey, Lexington, KY
Talwalkar, Chetan, Lexington, KY
Tuttle, Bettie, Lexington, KY

Attendees on December 11, 2001-Trapp, KY

Bailey, Robert C., Winchester, KY
Ballard, William, East Clark County Water, Winchester, KY
Beck, Neeley, Beattyville, KY
Collins, Lisa, Lexington, KY
Curtis, Robert E., Winchester, KY
Elores, Curtis, Lexington, KY
Epperson, Gary, Clark County EMA, Winchester, KY
Fisher, Robert L., Winchester, KY
Graham, Drew, County Judge, Winchester, KY
Grimes, Donna, Winchester, KY

Table D-4. Public Meeting Attendees (continued)

Halk, Michael M., Winchester, KY
Hamilton, Roy, Winchester, KY
Herrick, Will, Campton, KY
Hisle, Dalous W., Winchester, KY
Hughes, Jeff, Winchester, KY
Isaacs, Mark, Laborers Local 189, Lexington, KY
Lester, P. Lynn, Campton, KY
Lockwood, Dwight, Global Energy, Cincinnati, OH
Maruskin, Julie, Clark County Public Library, Winchester, KY
Maruskin, John, Clark County Public Library, Winchester, KY
McIntoch, Jerry, Winchester, KY
Miller, Jeremy, International Laborers, Winchester, KY
Miller, Shelby, LIUNA Local 189, Winchester, KY
Parker, Charles Ray, Winchester, KY
Pasley, Don, State Representative, Frankfort, KY
Potter, Deby, Winchester, KY
Potter, Larry, Winchester, KY
Preston, Leslie, Winchester, KY
Rector, Tommy, Winchester, KY
Schureman, Jerry, East Kentucky Power, Winchester, KY
Stickney, Jack, Irvine, KY
Thalacker, Mark A., Winchester, KY
Vickery, Jon P., Winchester, KY
Walters, Pat, Winchester, KY
Walters, Charles T., Winchester, KY
Wells, James, Winchester, KY
Wells, Lloyd, Winchester, KY
Williams, Samuel, Winchester, KY
Willian, Lance, Lexington Harold Leader

Willoughby, Harold C., Winchester, KY

Table D-5. Index of Attendees at Public Meetings that Presented Comments

Commentors	Transcript Page Number
December 10, 2001-Lexington, KY	
Bhatt, Ramesh, Lexington, KY	D-273
Crewe, Phil, Sierra Club, Lexington, KY	D-269
Draus, Patty, Lexington, KY	D-278
Herrick, Will, Campton, Ky	D-296
Huestis, Chris, Lexington, KY	D-286
McCarthy, Bernard, Lexington, KY	D-284
McKenzie, Erin, Lexington, KY	D-290
Schulz, Naomi, Kentucky Environmental Foundation, Berea, KY	D-280
Talwalkar, Chetan, Lexington, KY	D-289
December 11, 2001-Trapp, KY	
Beck, Neeley, Beattyville, Ky	D-359
Bailey, Robert C., Winchester, KY	D-316
Collins, Lisa, Lexington, KY	D-353
Fisher, Robert, Winchester, KY	D-373
Herrick, Will, Campton, KY	D-340
Herrick, Will, Campton, KY (on behalf of Tom Fitzgerald, Kentucky Resources Council)	D-328
Maruskin, Julie, Clark County Public Library, Winchester, KY	D-347
Maruskin, John, Clark County Public Library, Winchester, KY	D-349
Rector, Tommy, Winchester, KY	D-319
Stickney, Jack, Irvine, KY	D-369
Walters, Charles T., Winchester, KY	D-320
Williams, Samuel, Winchester, KY	D-365

Table D-6. Index of Commentors

Commentor Information	Issue Codes	Page Number
Bailey, Robert C., Winchester, KY	07, 12, 16	D-316
Beck, Neeley, Beattyville, KY	21	D-359
Bhatt, Ramesh, Lexington, KY	04, 06, 07, 11, 12, 14, 16, 20, 21	D-273
Clark County Public Library, Winchester, KY, John Maruskin, et al.	04, 06, 07, 10, 11, 12, 16, 21,	D-1
Collins, Lisa, Lexington, KY	04, 06, 07, 09, 10, 11, 12, 16, 21	D-354
Collins, Lisa P., Lexington, KY	21	D-6
Collins, Lisa P, Lexington, KY	03,04, 05, 07, 10, 12, 14, 16, 21	D-8
Collins, Thomas N., Paris, KY	06, 10, 12, 16, 21, 22	D-15
Commonwealth of Kentucky, House of Representative, State Representative, Mr. Don Pasley	02, 06, 07, 10, 11, 12,14, 16, 20, 21, 22	D-20
Crewe, Phill, Lexington, KY	05, 06, 07, 12, 16, 21, 22	D-41
Crewe, Phil, Lexington, KY	06, 16, 21	D-293
Crewe, Phil, Sierra Club, Lexington, KY	04, 07, 12, 13, 14	D-269
Draus, Patty, Lexington, KY	07, 12, 14, 16	D-278
Fisher, Robert, Winchester, KY	No Comments Identified	D-373
Gen. Apps, Inc., Winchester, KY, Vincent Robert	06, 11, 16	D-46
Gulick, Brandon, Lexington, KY	06	D-47
Gulick, Michael, Lexington, KY	06, 16	D-48
Gulick, Pam, Lexington, KY	06, 10, 16	D-49
Herrick, Will, Campton, KY	10, 11, 12	D-375
Herrick, Will, Campton, KY	02, 06, 07, 12, 21	D-296
Herrick, Will, Campton, KY	06, 11, 12, 14, 18, 21, 22	D-340
Herrick, Will, Campton, KY (on behalf of Tom Fitzgerald, Kentucky Resources Council)	21	D-328
Herrick, William, Campton, KY	02, 06, 07, 11, 12, 13, 14, 16, 18, 21, 22	D-50

Table D-6. Index of Commentors (continued)

Commentor Information	Issue Codes	Page Number
Howe, J, Clark County, KY	04, 06, 07, 11, 16, 21, 22	D-158
Huestis, Chris, Lexington, KY	11, 14, 22	D-286
Johnson, Peggy, Lexington, KY	02, 04, 12, 16	D-161
Jones, Ramona, Lexington, KY	02,07,16	D-164
Jones, Michael B, Lexington, KY	02, 12, 16, 22	D-162
Kentucky Department of Fish and Wildlife Resources, Frankfort, KY, C. Tom Bennett	08	D-244
Kentucky Environmental Foundation, Berea KY, Elizabeth Crowe, et al.	06, 11, 14, 16, 17, 20, 21, 22	D-165
Kentucky Natural Resources and Environmental Protection Cabinet, Frankfort, KY, Alex Barber	21	D-246
Kentucky Natural Resources and Environmental Protection Cabinet, Division of Water, Frankfort, KY, Timothy Kuryla	07, 08, 21	D-249
Kentucky Natural Resources and Environmental Protection Cabinet, Division of Waste Management, Frankfort, KY	12	D-248
Kentucky Resources Council, Inc., Frankfort, KY, Tom Fitzgerald	06, 11, 12, 14, 16, 21, 22	D-170
Littrell, Maxine, Lexington, KY	16, 22	D-251
Maruskin, John, Clark County Public Library,	06, 10, 11, 14, 16, 22	D-349
Maruskin, Julie, Clark County Public Library,	16, 21	D-347
McCarthy, Bernard, Lexington, KY	02, 10, 11, 14, 16, 21, 22	D-284
McKenzie, Erin, Lexington, KY	11, 16, 14, 21, 22	D-290
Neighbors Opposing Pipeline Extravagance, Lexington, KY, David S. Cooper	07, 20, 22	D-252
Parker, Charles Ray, Winchester, KY	16, 21	D-254
Pratt, Don, Lexington, KY	04, 12, 22	D-255
Preston, John, Lexington, KY	21, 22	D-256

Table D-6. Index of Commentors (continued)

Commentor Information	Issue Codes	Page Number
Preston, Virginia, Lexington, KY	12, 16, 22	D-257
Public Comment Meeting, December 10, 2001, Lexington, KY	02, 04, 06, 07, 08, 10, 11, 12, 13, 14, 16, 20, 21, 22	D-258
Public Comment Meeting, December 11, 2001, Trapp, KY	02, 04, 06, 07, 09, 10, 11, 12, 14, 16, 18, 20, 21, 22	D-302
Rector, Tommy, Winchester, KY	06, 07, 10, 16, 21	D-319
Schulz, Naomi, Kentucky Environmental Foundation, Berea, KY	06, 11, 16, 22	D-280
Shoebrooks, Jeff and Robin, Winchester, KY	03, 06, 08, 10, 11, 16, 22	D-381
Sierra Club Cumberland Chapter, Lexington, KY, Ramesh Bhatt	03, 04, 06, 07, 11, 12, 16, 21, 20, 22	D-391
Smith, Bobbye W., Winchester, KY	16, 22	D-403
Stickney, Jack, Irvine, KY	02, 06, 12, 16, 20, 22	D-369
Talwalkar, Chetan, Lexington, KY	04, 08, 22	D-289
Taulbee, Dan and Lisa, Lexington, KY	11, 16	D-404
United States Department of the Interior, Atlanta, GA, Gregory L. Hogue	06, 07, 08, 16, 21	D-406
United States Environmental Protection Agency, Region 4, Atlanta, GA, Heinz Mueller	06, 07, 08, 21	D-407
Vickery, Jon P., Winchester, KY	02, 07, 10, 11, 12, 16, 21, 23	D-410
Walters, Charles T., Winchester, KY	02, 06, 10, 11, 14, 16,	D-320
Williams, Samuel, Winchester, KY	10, 12, 16, 22	D-365
Wurtenberger, Patty Rae, Winchester, KY	06, 16, 21	D-416

Table D-7. Index of Commentors, Multiple Signatory Documents

Organization/Commentor Name	Issue Code Number	Page Number
Kentucky Environmental Foundation, Berea, KY, Elizabeth Crowe	06, 11, 14, 16, 17, 20, 21, 22	D-165
Sierra Club Cumberland Chapter, Lexington, KY, Ramesh Bhatt		
Herrick, William S., Campton, KY		
Kentuckians for the Commonwealth, Berea, KY, Naomi Schulz		
Collins, Lisa, Lexington, KY		
Clark County Library, Winchester, KY, John Maruskin		
Kentucky Resource Council, Frankfort, KY, Tom FitzGerald		
Crewe, Phil, Lexington, KY		
Clark County Public Library, Winchester, KY, John Marukin	04, 06, 07, 10, 11, 12, 16, 21	D-1
Collins, Lisa, Lexington, KY		
Herrick, William S., Campton, KY		
Sierra Club Cumberland Chapter, Lexington, KY, Ramesh Bhatt		
Kentucky Resources Council, Frankfort, KY, Tom Fitzgerald		
Kentucky Environmental Foundation, Berea, KY, Elizabeth Crowe		
Kentuckians for the Commonwealth, Berea, KY, Naomi Schulz		
Crewe, Phil, Lexington, KY		
Commonwealth of Kentucky, House of Representatives, State Representative, Mr. Don Pasely, Frankfort, KY	02, 06, 07, 10, 11, 12, 14, 16, 20, 21, 22	D-20
Adult Services Librarian, Clark County Public Library, Winchester, KY, John Maruskin		
Leslie Preston, Winchester, KY		

Table D-8. Index of Issue Codes

Issue Code Number	Page Numbers
01	None
02	D-23, D-65, D-69, D-161, D-162, D-164, D-285, D-298, D-324, D-370, D-411
03	D-9, D-10, D-384, D-393
04	D-2, D-9, D-10, D-158, D-161, D-255, D-272, D-276, D-289, D-356, D-393
05	D-2, D-10, D-41
06	D-1, D-10, D-15, D-38, D-42, D-46, D-47, D-48, D-49, D-65, D-66, D-158, D-166, D-181, D-276, D-282, D-294, D-296, D-319, D-320, D-345, D-346, D-347, D-351, D-358, D-370, D-384, D-393, D-408, D-409, D-412, D-416
07	D-1, D-9, D-10, D-21, D-23, D-38, D-42, D-66, D-158, D-164, D-249, D-250, D-252, D-271, D-277, D-278, D-296, D-317, D-320, D-358, D-393, D-394, D-408, D-411
08	D-244, D-250, D-289, D-382, D-385, D-408
09	D-358
10	D-2, D-9, D-17, D-38, D-49, D-284, D-319, D-325, D-352, D-355, D-357, D-366, D-375, D-383, D-410, D-411, D-412, D-413
11	D-1, D-39, D-46, D-66, D-69, D-158, D-166, D-182, D-274, D-281, D-287, D-291, D-323, D-346, D-352, D-358, D-375, D-385, D-394, D-404, D-412
12	D-2, D-9, D-18, D-38, D-41, D-65, D-68, D-69, D-161, D-162, D-180, D-181, D-248, D-255, D-257, D-270, D-273, D-279, D-298, D-317, D-344, D-358, D-367, D-372, D-375, D-392, D-410, D-414
13	D-53, D-69, D-270
14	D-9, D-21, D-53, D-65, D-165, D-166, D-171, D-177, D-179, D-180, D-269, D-273, D-275, D-279, D-288, D-292, D-327, D-340, D-353
15	None
16	D-1, D-10, D-15, D-18, D-21, D-23, D-38, D-39, D-41, D-42, D-46, D-48, D-49, D-53, D-158, D-161, D-162, D-164, D-166, D-167, D-180, D-251, D-254, D-257, D-275, D-279, D-283, D-284, D-285, D-292, D-293, D-294, D-316, D-319, D-321, D-348, D-349, D-352, D-355, D-358, D-365, D-366, D-371, D-381, D-386, D-387, D-391, D-392, D-403, D-404, D-406, D-410, D-411, D-412, D-416
17	D-165
18	D-53, D-340
19	None
20	D-21, D-167, D-253, D-276, D-370, D-393, D-394
21	D-1, D-6, D-10, D-11, D-18, D-23, D-41, D-53, D-65, D-69, D-158, D-166, D-171, D-246, D-249, D-254, D-256, D-274, D-288, D-291, D-295, D-297, D-319, D-329, D-341, D-348, D-354, D-361, D-262, D-364, D-393, D-394, D-395, D-405, D-409, D-413, D-416
22	D-16, D-21, D-23, D-41, D-53, D-65, D-66, D-70, D-158, D-162, D-165, D-166, D-170, D-252, D-253, D-255, D-256, D-257, D-280, D-282, D-283, D-286, D-290, D-292, D-327, D-343, D-351, D-353, D-368, D-370, D-372, D-385, D-393, D-404
23	D-410, D-411, D-412, D-414

D.3 CHANGES MADE TO THE DRAFT ENVIRONMENTAL IMPACT STATEMENT AS A RESULT OF PUBLIC COMMENTS

During the 71-day public comment period, DOE received a total of 373 comments (Tables D-1 and D-2) on the Kentucky Pioneer IGCC Demonstration Project Draft EIS. DOE considered and responded to all comments received during the comment period. Several issues emerged from the public comments. Some of these issues necessitated changes in the Kentucky Pioneer IGCC Demonstration Project Draft EIS. These changes were incorporated into the Kentucky Pioneer IGCC Demonstration Project Final EIS. Among the topics or issues raised in the comments were concerns about the following:

- applicability of and compliance with state and local solid waste statutes
- detail of the facility and BGL process description
- potential of the vitreous frit to be hazardous and related waste management issues
- need for power in central Kentucky
- impacts of the related transmission line
- impacts to the Kentucky River
- impacts of facility discharges on local drinking water
- impacts of air emissions from the facility
- handling of materials and waste to reduce impacts from potential spills
- impacts to the aesthetic and scenic resources of the area
- impacts to Kentucky Highway 89 and local traffic levels
- cumulative impacts of the proposed project and other potential local developments

In addition to providing a response to each comment received, DOE revised the appropriate sections to provide any requested information that was newly available or to further explore areas of potential impact. Additional technical details not available at the time of issuance of the Draft EIS enabled further revisions and additions to the Final EIS.

D.4 COMMENT DOCUMENT AND RESPONSES

The remainder of this section presents the scanned images of original documents submitted to DOE on the Kentucky Pioneer IGCC Demonstration Project Draft EIS, comments recorded as part of the transcripts of the public meetings, and DOE responses to each comment. The scanned images are marked with sidebars denoting the identified comments and DOE responses corresponding to these comments. The responses to comments identical or similar in nature were repeated throughout the document. Comments that were assigned the same issue codes indicate that they pertained to the same general topic but may not necessarily have an identical response.

In most instances, the response is found on the same page as the corresponding comment. However, in cases where many comments were identified on a single page, the responses to those comments may appear on the following pages.