

**APPENDIX S**  
**Keyword Index**



## APPENDIX S – KEYWORD INDEX

- access road, 4-36, 4-50, 4-51, 4-142
- additional temporary workspace (ATWS), ES-8, 2-15, 2-16, 2-17, 2-21, 2-25, 2-26, 2-28, 2-30, 2-31, 3-11, 4-55, 4-56, 4-57, 4-68, 4-90, 4-118, 4-119, 4-123
- Advisory Council on Historic Preservation (ACHP), 4-156, 4-162, 5-20
- agency, 1-11, 1-15, 1-16, 1-18, 4-3, 4-6, 4-7, 4-40, 4-70, 4-78, 4-82, 4-89, 4-139, 4-187, 4-233
- Air quality control region (AQCR), 4-163
- alternative, ES-13, ES-16, 1-9, 1-10, 1-11, 3-2, 3-5, 3-6, 3-8, 3-9, 3-10, 3-11, 3-12, 4-31, 4-55, 4-237, 5-13
- application, 1-15, 1-16, 1-17, 1-18, 2-35
- aquifer, 4-24, 4-236
- area of potential effect (APE), 4-157, 4-158, 4-159, 4-160, 5-10
- A-weighted decibels (dBA), ES-11, ES-12, 4-156, 4-178, 4-179, 4-180, 4-181, 4-182, 4-183, 4-184, 4-185, 4-186, 4-187, 5-11, 5-20, 5-21
- Bald and Golden Eagle Protection Act (BGEPA), 1-5, 1-15, 1-18, 4-82
- bald eagle, 4-116
- bat, ES-7, 4-70, 4-94, 4-95, 4-97, 4-98, 4-99, 4-100, 4-101, 4-109, 5-6, 5-7, 5-19
- bedrock, ES-4, 2-31, 4-1, 4-5, 4-6, 4-7, 4-9, 4-11, 4-12, 4-13, 4-14, 4-15, 4-19, 4-20, 4-31, 4-80, 4-92, 5-1, 5-2
- Benton Regulator Station, 2-6, 2-9, 2-14, 2-18, 4-2, 4-34, 4-45, 4-50, 4-55, 4-72, 4-126, 4-127, 4-145, 4-181, 4-186, 4-216, 5-15
- Benton Regulatory Station, 1-13, 2-6, 2-18, 4-126, 4-127, 4-145, 4-181, 4-216, 5-15
- Biological Assessment (BA), ES-7, 5-7
- birds of conservation concern (BCC), 4-80, 4-82, 4-85
- blasting, ES-3, 11, 1-11, 2-31, 2-32, 4-12, 4-13, 4-20, 4-30, 4-31, 4-32, 4-52, 4-80, 4-90, 4-92, 4-178, 4-218, 4-225, 5-2, 5-11
- Blasting Plan, ES-4, ES-11, ES-14, 2-31, 2-32, 4-12, 4-13, 4-14, 4-31, 4-52, 4-92, 4-178, 5-2, 5-11
- BM-111 Loop, ES-2, 2-1, 2-4, 2-7, 2-10, 2-13, 2-14, 2-19, 2-28, 3-6, 4-2, 4-17, 4-23, 4-24, 4-33, 4-34, 4-40, 4-42, 4-44, 4-45, 4-53, 4-68, 4-72, 4-90, 4-91, 4-124, 4-126, 4-127, 4-130, 4-134, 4-135, 4-145, 4-164, 4-174, 4-191, 4-192, 4-210, 5-14
- carbon dioxide (CO<sub>2</sub>), 4-163, 4-174, 4-175, 4-234
- carbon dioxide equivalents (CO<sub>2</sub>e), ES-11, 4-163, 4-166, 4-167, 4-168, 4-174, 4-175, 4-231
- carbon monoxide (CO), ES-11, 4-163, 4-166, 4-167, 4-168, 4-172, 4-174, 4-177, 4-230, 4-231
- cathodic protection, 2-15, 2-16, 2-18, 2-21, 2-25, 2-28, 4-60, 4-66, 4-81, 4-121, 4-193
- Ceredo Compressor Station, ES-2, ES-5, ES-11, 1-13, 1-15, 2-1, 2-6, 2-7, 2-10, 2-12, 2-14, 2-19, 3-3, 3-12, 4-2, 4-3, 4-17, 4-21, 4-32, 4-34, 4-45, 4-46, 4-70, 4-72, 4-106, 4-126, 4-127, 4-135, 4-140, 4-145, 4-159, 4-164, 4-165, 4-181, 4-183, 4-184, 4-200, 4-206, 4-207, 4-210, 4-212, 4-215, 4-230, 4-231, 4-232, 5-3, 5-11, 5-15, 5-21
- Certificate of Public Convenience and Necessity (Certificate), ES-1, 1-1, 1-2, 1-3, 1-15, 1-18, 2-33, 2-35, 3-2, 4-188, 5-16, 5-18

## APPENDIX S – KEYWORD INDEX

- Clean Air Act (CAA), 1-4, 1-15, 1-16, 4-163, 4-165, 4-169
- Clean Water Act (CWA), ES-7, 1-3, 1-4, 1-5, 1-15, 1-16, 1-18, 3-1, 4-37, 4-49
- climate change, 4-163, 4-233, 4-234
- Code of Federal Regulations (CFR), ES-1, ES-11, ES-12, ES-15, 1-3, 1-4, 2-7, 2-12, 2-20, 2-22, 2-25, 4-5, 4-37, 4-156, 4-168, 4-169, 4-170, 4-188, 4-189, 4-192, 4-218, 4-221, 4-231, 4-235, 5-1, 5-12, 5-15, 5-20
- compaction, ES-5, 2-23, 2-26, 2-34, 4-14, 4-15, 4-18, 4-19, 4-20, 4-30, 4-31, 4-46, 4-54, 4-66, 4-67, 4-71, 4-74, 4-81, 4-219
- compressor station, ES-2, ES-6, ES-9, ES-10, ES-12, 1-1, 1-11, 1-12, 2-6, 2-7, 2-9, 2-10, 2-11, 2-18, 2-19, 2-21, 2-24, 2-25, 3-3, 3-5, 3-6, 3-9, 3-12, 3-14, 4-1, 4-6, 4-11, 4-17, 4-28, 4-51, 4-70, 4-78, 4-81, 4-117, 4-125, 4-126, 4-141, 4-143, 4-146, 4-157, 4-162, 4-168, 4-169, 4-175, 4-176, 4-181, 4-182, 4-183, 4-184, 4-192, 4-199, 4-200, 4-201, 4-202, 4-206, 4-211, 4-212, 4-213, 4-214, 4-215, 4-227, 4-229, 4-232, 5-11, 5-12, 5-14, 5-15, 5-20, 5-21
- contractor yard, ES-7, ES-10, 2-15, 2-16, 4-14, 4-22, 4-28, 4-30, 4-36, 4-50, 4-51, 4-55, 4-60, 4-61, 4-65, 4-66, 4-74, 4-76, 4-81, 4-86, 4-99, 4-107, 4-108, 4-129, 4-131, 4-142, 4-222, 4-224, 5-1, 5-2, 5-5, 5-16
- cooperating agency, ES-1, ES-3, 1-1, 1-4, 1-5, 1-6, 2-36, 4-50, 4-85, 5-1
- Council on Environmental Quality (CEQ), 1-3, 1-8, 4-153, 4-197
- Crawford Compressor Station, ES-2, 1-13, 2-1, 2-6, 2-7, 2-9, 2-10, 2-11, 2-14, 2-19, 3-3, 3-6, 3-9, 3-12, 4-2, 4-17, 4-21, 4-27, 4-34, 4-41, 4-42, 4-45, 4-70, 4-73, 4-77, 4-86, 4-126, 4-127, 4-138, 4-139, 4-140, 4-145, 4-164, 4-165, 4-181, 4-182, 4-183, 4-201, 4-211, 4-213, 5-15
- critical habitat, 1-5, 4-76, 4-82, 4-90, 4-93
- cultural resources, ES-4, ES-14, 1-3, 1-10, 2-21, 2-27, 2-35, 3-12, 4-91, 4-158, 4-159, 4-160, 4-161, 4-162, 4-218, 4-229, 5-9, 5-10, 5-16, 5-18, 5-20
- Draft Environmental Impact Statement (draft EIS), ES-3, ES-7, 1-1, 1-7, 1-8, 2-5, 3-9, 3-11, 4-43, 4-78, 4-85, 4-153, 4-222, 5-2, 5-5, 5-7, 5-14
- dust, ES-10, 4-125, 4-129, 4-137, 4-155, 4-156, 4-172, 4-173, 4-174, 4-229, 4-230, 5-10, 5-11
- easement, ES-8, ES-9, ES-14, 1-10, 2-1, 2-5, 2-15, 2-16, 2-18, 2-36, 2-37, 4-46, 4-49, 4-61, 4-69, 4-70, 4-71, 4-73, 4-76, 4-79, 4-94, 4-124, 4-128, 4-131, 4-132, 4-139, 4-140, 4-150, 4-152, 4-207, 4-213, 4-235, 5-4, 5-9, 5-14, 5-18, 5-21
- easement agreement, 2-36, 4-131, 4-132, 4-150, 4-152, 5-9
- emergency response, ES-12, 4-188, 4-190, 4-192
- eminent domain, ES-9, 1-3, 4-131, 5-16
- emissions, ES-10, ES-11, ES-13, 1-12, 4-155, 4-156, 4-162, 4-163, 4-165, 4-168, 4-169, 4-170, 4-171, 4-172, 4-173, 4-174, 4-175, 4-229, 4-230, 4-231, 4-233, 4-234, 5-10, 5-11, 5-13, 5-20
- Endangered Species Act of 1973 (ESA), ES-8, 1-3, 1-5, 1-15, 4-82, 4-93, 4-94, 4-95, 4-99, 4-101, 4-117, 4-226, 5-7, 5-19
- Energy Information Administration (EIA), 4-4, 4-216
- Environmental Impact Statement (EIS), ES-1, ES-3, ES-4, ES-7, ES-10, ES-13, ES-15, 1-1, 1-2, 1-3, 1-4, 1-5, 1-6, 1-7, 1-8, 1-7, 1-11, 1-12, 2-5, 2-35, 3-2, 3-12, 3-14, 4-43, 4-57, 4-78, 4-85, 4-86, 4-93, 4-136, 4-153, 4-156, 4-162, 4-197, 4-198, 4-217, 4-222, 4-223, 4-225, 4-226, 5-1, 5-8, 5-13, 5-15, 5-16, 5-19
- Environmental Inspector (EI), 2-33, 2-36, 4-9, 4-31, 4-51, 5-17

## APPENDIX S – KEYWORD INDEX

- environmental justice, 4-153, 4-227
- erosion, ES-5, ES-12, 1-10, 2-16, 2-22, 2-26, 2-27, 2-31, 2-32, 2-34, 2-36, 4-7, 4-9, 4-11, 4-14, 4-15, 4-16, 4-18, 4-19, 4-20, 4-21, 4-22, 4-30, 4-32, 4-45, 4-46, 4-47, 4-48, 4-52, 4-53, 4-66, 4-67, 4-71, 4-74, 4-80, 4-81, 4-88, 4-90, 4-91, 4-92, 4-93, 4-173, 4-217, 4-218, 4-225, 4-235, 5-2, 5-3, 5-6, 5-7, 5-12, 5-21
- erosion control, ES-5, ES-12, 1-10, 2-16, 2-22, 2-26, 2-31, 2-34, 2-36, 4-9, 4-21, 4-32, 4-46, 4-48, 4-52, 4-53, 4-66, 4-91, 4-218, 4-235, 5-3, 5-12, 5-21
- faults, 4-5
- Federal Emergency Management Agency (FEMA), 4-7, 4-41, 4-42
- Federal Energy Regulatory Commission (FERC), ES-1, ES-2, ES-3, ES-4, ES-5, ES-8, ES-10, ES-13, ES-14, ES-15, 1-1, 1-2, 1-3, 1-5, 1-6, 1-7, 1-8, 1-12, 1-14, 1-15, 1-16, 1-18, 2-1, 2-16, 2-19, 2-20, 2-21, 2-24, 2-26, 2-28, 2-31, 2-32, 2-33, 2-34, 2-35, 2-36, 3-1, 3-2, 3-5, 3-6, 3-9, 4-13, 4-14, 4-15, 4-17, 4-18, 4-19, 4-30, 4-32, 4-36, 4-40, 4-41, 4-43, 4-45, 4-46, 4-47, 4-48, 4-49, 4-50, 4-51, 4-53, 4-54, 4-55, 4-57, 4-69, 4-70, 4-74, 4-78, 4-80, 4-82, 4-85, 4-86, 4-88, 4-89, 4-90, 4-91, 4-92, 4-93, 4-94, 4-95, 4-99, 4-101, 4-106, 4-128, 4-129, 4-131, 4-136, 4-138, 4-140, 4-142, 4-149, 4-150, 4-153, 4-155, 4-156, 4-157, 4-161, 4-162, 4-170, 4-183, 4-188, 4-195, 4-198, 4-199, 4-200, 4-201, 4-202, 4-202, 4-203, 4-206, 4-211, 4-212, 4-213, 4-214, 4-215, 4-217, 4-218, 4-219, 4-221, 4-223, 4-225, 4-226, 4-230, 4-232, 4-239, 5-1, 5-2, 5-3, 5-4, 5-6, 5-7, 5-9, 5-10, 5-12, 5-13, 5-14, 5-15, 5-17, 5-19, 5-20
- fire, 4-135, 4-147, 4-148, 4-171, 4-187, 4-192, 4-194, 4-196, 4-209, 4-210, 4-228, 4-234
- floodplain, 4-1, 4-41, 4-42
- forested wetland, ES-6, 2-37, 3-8, 3-10, 4-50, 4-52, 4-53, 4-55, 4-62, 4-66, 4-76, 4-78, 4-81, 4-85, 4-123, 4-142, 4-221, 5-4
- fragmentation, 1-11, 4-61, 4-78, 4-79, 4-81, 4-84, 4-85, 4-223, 4-224
- geology, ES-4, ES-9, 1-3, 4-140, 4-218, 4-219, 5-8
- geotechnical, ES-4, 4-3, 4-12, 4-106, 4-219
- global warming, 4-163
- greenhouse gas (GHG), ES-11, 4-163, 4-166, 4-167, 4-168, 4-174, 4-175, 4-231, 4-233, 4-234
- groundwater, ES-4, ES-5, ES-6, 1-3, 1-11, 4-19, 4-23, 4-24, 4-25, 4-28, 4-29, 4-30, 4-31, 4-32, 4-36, 4-47, 4-49, 4-52, 4-140, 4-219, 5-3
- high-consequence areas (HCA), 4-189, 4-190
- historic properties, 1-4, 4-156, 4-157, 4-159, 4-160, 4-162, 4-229, 5-20
- horizontal directional drill (HDD), ES-6, ES-7, ES-11, ES-14, 1-9, 1-11, 2-16, 2-26, 2-27, 2-28, 2-30, 4-12, 4-39, 4-40, 4-41, 4-43, 4-46, 4-48, 4-56, 4-69, 4-70, 4-77, 4-87, 4-89, 4-91, 4-92, 4-102, 4-103, 4-104, 4-105, 4-106, 4-113, 4-114, 4-128, 4-142, 4-150, 4-157, 4-158, 4-179, 4-180, 4-181, 5-6, 5-8, 5-9, 5-11, 5-20
- hydrostatic testing, ES-7, 1-4, 2-24, 4-43, 4-45, 4-48, 4-49, 4-92, 4-102, 4-103, 4-104, 4-105, 4-221, 5-4
- interior forest, 4-61, 4-62, 4-65, 4-66, 4-79, 4-81, 4-84, 4-86, 4-98, 5-5
- invasive species, ES-6, 1-11, 2-24, 2-35, 4-48, 4-57, 4-65, 4-67, 4-70, 4-71, 4-74, 4-81, 4-92
- irrigation, 2-34, 4-20, 4-38, 4-87, 4-125
- K-260 Regulator Station, 1-10, 1-13, 2-6, 2-7, 2-9, 2-14, 2-18, 4-2, 4-34, 4-45, 4-46,

## APPENDIX S – KEYWORD INDEX

- 4-72, 4-126, 4-127, 4-131, 4-145, 4-181, 4-186, 4-215, 5-15
- karst, 4-9, 4-11
- landslide, 4-4, 4-6, 4-7, 4-9, 4-11, 4-194, 4-195, 4-219
- Leach XPress Project (LX Project), ES-1, ES-2, ES-3, ES-4, ES-5, ES-6, ES-7, ES-8, ES-10, ES-11, ES-13, 14, 1-1, 1-2, 1-3, 1-4, 1-6, 1-7, 1-8, 1-9, 1-10, 1-12, 1-13, 1-14, 1-15, 1-16, 2-1, 2-3, 2-4, 2-6, 2-7, 2-9, 2-10, 2-11, 2-12, 2-13, 2-14, 2-15, 2-16, 2-17, 2-18, 2-19, 2-28, 2-29, 2-32, 3-1, 3-2, 3-3, 3-5, 3-6, 3-8, 3-10, 3-12, 4-1, 4-3, 4-4, 4-5, 4-6, 4-7, 4-9, 4-10, 4-11, 4-12, 4-13, 4-14, 4-15, 4-17, 4-18, 4-19, 4-21, 4-22, 4-23, 4-24, 4-25, 4-26, 4-27, 4-28, 4-29, 4-31, 4-32, 4-34, 4-36, 4-37, 4-39, 4-40, 4-41, 4-42, 4-43, 4-46, 4-48, 4-49, 4-50, 4-51, 4-52, 4-53, 4-54, 4-55, 4-56, 4-57, 4-58, 4-59, 4-60, 4-61, 4-62, 4-65, 4-66, 4-70, 4-71, 4-74, 4-75, 4-76, 4-77, 4-79, 4-80, 4-82, 4-83, 4-85, 4-86, 4-87, 4-88, 4-89, 4-90, 4-92, 4-93, 4-94, 4-95, 4-97, 4-98, 4-99, 4-100, 4-101, 4-102, 4-103, 4-104, 4-105, 4-106, 4-107, 4-108, 4-109, 4-112, 4-113, 4-114, 4-115, 4-116, 4-117, 4-118, 4-119, 4-123, 4-124, 4-125, 4-127, 4-129, 4-130, 4-131, 4-132, 4-133, 4-134, 4-135, 4-136, 4-137, 4-138, 4-139, 4-140, 4-141, 4-142, 4-143, 4-146, 4-148, 4-149, 4-150, 4-151, 4-152, 4-153, 4-155, 4-157, 4-158, 4-159, 4-160, 4-161, 4-163, 4-164, 4-170, 4-173, 4-180, 4-181, 4-189, 4-190, 4-191, 4-192, 4-197, 4-211, 4-212, 4-213, 4-214, 4-215, 4-216, 4-217, 4-219, 4-220, 4-221, 4-222, 4-223, 4-225, 4-226, 4-227, 4-228, 4-229, 4-230, 4-231, 4-238, 5-1, 5-2, 5-3, 5-4, 5-5, 5-6, 5-7, 5-8, 5-9, 5-10, 5-11, 5-13, 5-14, 5-15, 5-18, 5-19, 5-20
- LEX Pipeline, ES-1, ES-4, ES-8, ES-14, 1-9, 2-1, 2-5, 2-7, 2-9, 2-12, 2-15, 2-16, 2-18, 2-19, 3-5, 3-6, 3-9, 3-11, 4-3, 4-4, 4-15, 4-23, 4-24, 4-36, 4-50, 4-60, 4-61, 4-76, 4-77, 4-79, 4-91, 4-124, 4-126, 4-139, 4-140, 4-141, 4-142, 4-164, 4-199, 4-200, 4-201, 4-202, 4-203, 4-204, 4-205, 4-206, 4-207, 4-208, 4-209, 4-210, 4-211, 4-212, 4-213, 4-214, 4-215, 5-2, 5-13, 5-14, 5-18
- LEX1 Pipeline, ES-1, 1-13, 2-1, 4-23, 4-148, 4-164, 4-201, 4-208, 4-211, 4-213
- livestock, 2-21, 2-31, 4-22, 4-38, 4-87, 5-3
- Lone Oak Compressor Station, ES-2, ES-4, ES-5, 1-9, 1-10, 1-13, 1-15, 2-6, 2-9, 2-14, 2-18, 3-9, 4-1, 4-3, 4-11, 4-27, 4-32, 4-33, 4-45, 4-46, 4-50, 4-52, 4-55, 4-72, 4-126, 4-127, 4-135, 4-141, 4-145, 4-158, 4-164, 4-165, 4-166, 4-168, 4-171, 4-174, 4-175, 4-176, 4-177, 4-181, 4-182, 4-184, 4-199, 4-200, 4-201, 4-204, 4-212, 4-215, 4-229, 4-230, 4-231, 4-232, 5-2, 5-3, 5-9, 5-11, 5-14
- mainline valve (MLV), ES-2, ES-10, 1-9, 2-5, 2-6, 2-7, 2-9, 2-14, 2-19, 2-24, 4-117, 4-120, 4-121, 4-125, 4-126, 4-141, 4-189, 4-200, 4-212, 5-9
- Marcellus Shale, 4-216, 4-217
- maximum allowable operating pressure (MAOP), 2-11, 4-189, 4-200, 4-212, 4-218, 4-219, 4-222, 4-224, 4-225, 4-226, 4-229, 5-13
- McArthur Regulator Station, 1-14, 2-1, 2-6, 2-7, 2-9, 2-14, 2-18, 4-2, 4-34, 4-45, 4-72, 4-126, 4-127, 4-145, 4-181, 4-186, 4-207, 5-15
- meter station, ES-9, ES-12
- methane (CH<sub>4</sub>), 4-163, 4-174, 4-188
- migratory bird, ES-7, ES-15, 1-5, 4-61, 4-65, 4-66, 4-76, 4-79, 4-82, 4-84, 4-85, 4-86, 4-115, 5-6
- Migratory Bird Conservation Plan, ES-7, ES-15, 4-86, 4-223, 4-224, 5-6, 5-19
- Migratory Bird Treaty Act (MBTA), 1-5, 1-15, 1-18, 4-82, 4-115
- minor route variation, ES-13, 3-10, 3-11, 5-14, 5-18

## APPENDIX S – KEYWORD INDEX

- mitigation, ES-4, ES-5, ES-6, ES-7, ES-8, ES-9, ES-11, ES-12, ES-14, ES-15, 1-2, 1-3, 1-5, 1-10, 1-11, 1-12, 2-21, 2-29, 2-32, 2-33, 2-34, 4-9, 4-11, 4-14, 4-18, 4-20, 4-21, 4-22, 4-46, 4-48, 4-54, 4-57, 4-62, 4-66, 4-75, 4-76, 4-77, 4-79, 4-80, 4-85, 4-86, 4-93, 4-94, 4-98, 4-99, 4-100, 4-101, 4-104, 4-105, 4-106, 4-114, 4-115, 4-125, 4-136, 4-137, 4-139, 4-140, 4-141, 4-142, 4-150, 4-162, 4-170, 4-172, 4-179, 4-181, 4-182, 4-218, 4-220, 4-221, 4-223, 4-224, 4-225, 4-226, 4-229, 4-230, 4-232, 5-1, 5-2, 5-4, 5-5, 5-6, 5-8, 5-11, 5-12, 5-13, 5-15, 5-16, 5-17, 5-19, 5-20
- monitoring, ES-6, ES-10, ES-12, ES-15, 2-16, 2-25, 2-33, 2-35, 2-36, 4-11, 4-13, 4-39, 4-47, 4-51, 4-54, 4-57, 4-65, 4-157, 4-162, 4-168, 4-169, 5-12, 5-17, 5-20
- mussel, 1-15, 1-16, 4-94, 4-95, 4-97, 4-102, 4-103, 4-104, 4-105, 4-106, 4-113, 4-114, 4-117, 5-19
- National Ambient Air Quality Standards (NAAQS), 4-156, 4-163, 4-169, 4-176, 4-177, 4-229, 4-230, 4-231, 4-232, 5-11
- National Environmental Policy Act of 1969 (NEPA), ES-1, 1-1, 1-3, 1-4, 1-8, 3-1, 4-153, 4-156, 4-196
- National Historic Preservation Act (NHPA), ES-10, ES-15, 1-3, 1-15, 1-16, 1-17, 1-18, 4-156, 4-162, 5-10
- National Pollutant Discharge Elimination System (NPDES), 1-4, 1-5, 1-15, 1-16, 1-17, 5-4
- National Register of Historic Places (NRHP), ES-10, 4-157, 4-158, 4-159, 4-160, 4-162, 5-10, 5-20
- natural gas, ES-1, ES-2, ES-5, ES-10, ES-11, ES-13, 1-1, 1-2, 1-3, 1-12, 2-1, 2-6, 2-7, 2-10, 2-11, 2-12, 2-19, 3-1, 3-2, 3-3, 3-5, 3-6, 4-4, 4-12, 4-94, 4-117, 4-126, 4-156, 4-168, 4-171, 4-175, 4-187, 4-188, 4-192, 4-193, 4-195, 4-196, 4-198, 4-199, 4-200, 4-201, 4-202, 4-204, 4-205, 4-206, 4-207, 4-208, 4-211, 4-212, 4-213, 4-214, 4-215, 4-216, 4-217, 4-218, 4-220, 4-232, 4-233, 4-234, 4-235, 5-11, 5-12, 5-13, 5-16
- Natural Gas Act (NGA), ES-1, 1-1, 1-2, 1-3, 1-12, 3-2, 4-20, 4-70, 4-217, 5-16
- natural gas pipeline, ES-1, ES-2, ES-13, 1-1, 1-3, 2-1, 3-3, 3-6, 4-94, 4-117, 4-188, 4-192, 4-195, 4-199, 4-200, 4-202, 4-206, 4-211, 4-212, 4-213, 4-214, 4-232, 5-12, 5-13, 5-16
- Natural Resources Conservation Service (NRCS), 4-14, 4-15, 4-16, 4-109, 4-138
- New Source Performance Standards (NSPS), ES-11, 4-168, 4-169, 4-171, 4-175
- nitrogen dioxide (NO<sub>2</sub>), 4-163, 4-177
- noise, ES-4, ES-9, ES-11, ES-12, ES-13, 1-3, 3-12, 4-78, 4-81, 4-85, 4-125, 4-129, 4-137, 4-141, 4-155, 4-156, 4-178, 4-179, 4-180, 4-181, 4-182, 4-183, 4-184, 4-185, 4-186, 4-187, 4-198, 4-218, 4-224, 4-229, 4-232, 5-11, 5-12, 5-13, 5-15, 5-20, 5-21
- noise sensitive areas (NSA), ES-11, ES-12, 3-12, 4-156, 4-178, 4-179, 4-180, 4-181, 4-182, 4-183, 4-184, 4-185, 4-186, 4-187, 5-11, 5-12, 5-20, 5-21
- non-jurisdictional facilities, 1-14, 4-198, 4-215, 4-216, 4-217
- noxious weeds, 2-34, 4-65
- Oak Hill Compressor Station, ES-2, ES-11, ES-14, 1-13, 1-16, 2-6, 2-7, 2-10, 2-14, 2-18, 3-9, 3-12, 4-2, 4-3, 4-34, 4-41, 4-42, 4-45, 4-46, 4-73, 4-126, 4-127, 4-138, 4-141, 4-145, 4-165, 4-167, 4-168, 4-174, 4-175, 4-176, 4-177, 4-181, 4-182, 4-183, 4-184, 4-204, 4-208, 4-215, 4-229, 5-11, 5-12, 5-15, 5-19
- Office of Energy Projects (OEP), ES-3, 1-2, 3-12, 4-70, 4-89, 4-101, 4-131, 4-136, 4-141, 4-162, 4-170, 4-179, 4-235, 5-11, 5-15, 5-16, 5-17, 5-18, 5-19, 5-20, 5-21

## APPENDIX S – KEYWORD INDEX

- Ohio Department of Natural Resources (ODNR), ES-6, ES-7, ES-8, 1-16, 1-17, 3-6, 3-9, 4-1, 4-3, 4-4, 4-5, 4-7, 4-18, 4-20, 4-22, 4-23, 4-49, 4-61, 4-66, 4-70, 4-76, 4-77, 4-87, 4-88, 4-89, 4-92, 4-101, 4-107, 4-109, 4-112, 4-113, 4-114, 4-138, 4-139, 4-217, 5-2, 5-6, 5-19
- Ohio Environmental Protection Agency (OEPA), ES-1, 1-1, 1-3, 1-5, 1-16, 2-21, 4-24, 4-25, 4-36, 4-38, 4-39, 4-40, 4-48, 4-88, 4-89, 4-163, 4-165, 4-175, 4-220, 4-230, 5-1, 5-11
- Ohio State Historic Preservation Office (Ohio SHPO), 1-17, 4-158, 4-238
- organic, 2-25, 4-32, 4-114, 4-139, 4-163, 4-174, 4-216
- Pennsylvania Department of Conservation and Natural Resources (PADCNR), ES-1, ES-8, 1-1, 1-16, 4-3, 4-5, 4-20, 4-22, 4-70, 4-109, 4-115, 5-1, 5-2, 5-7, 5-19
- Pennsylvania Department of Environmental Protection (PADEP), ES-1, ES-6, 1-1, 1-3, 1-16, 2-21, 4-3, 4-18, 4-22, 4-25, 4-29, 4-38, 4-48, 4-49, 4-66, 4-87, 4-163, 4-165, 4-217, 5-1, 5-2
- Pennsylvania Fish and Boat Commission (PAFBC), ES-7, 4-40, 4-41
- Pennsylvania Game Commission (PGC), 1-16, 4-109
- pig launcher/receiver, 10, 4-200, 4-212
- Pipeline and Hazardous Materials Safety Administration (PHMSA), 4-156, 4-188, 4-194, 4-195, 4-196, 4-221, 4-233
- Prevention of Significant Deterioration (PSD), 4-165, 4-230, 4-231
- prime farmland, 3-12, 4-16, 4-17, 4-19, 4-22, 4-125, 5-2
- property value, ES-9, 1-8, 1-11, 4-151, 4-152, 4-227
- R-130 Odorization Station, 1-14, 2-10, 2-14, 4-2, 4-34, 4-126, 4-127, 4-145, 4-181, 4-187
- R-486 Odorization Station, 1-14, 2-10, 2-14, 4-2, 4-34, 4-126, 4-127, 4-145, 4-181, 4-187, 4-207
- R-501 Abandonment, ES-2, 2-1, 2-7, 2-11, 2-13, 2-15, 2-18, 2-32, 4-27, 4-28, 4-33, 4-42, 4-50, 4-53, 4-55, 4-60, 4-69, 4-76, 4-81, 4-130, 4-134, 4-137, 4-138, 4-145
- R543 Odorization Station, 1-14
- R-801 Loop, ES-1, ES-2, 1-10, 2-1, 2-4, 2-7, 2-9, 2-12, 2-13, 2-14, 2-15, 2-16, 2-17, 2-18, 2-32, 3-6, 3-11, 4-2, 4-10, 4-23, 4-24, 4-25, 4-26, 4-27, 4-29, 4-33, 4-34, 4-40, 4-42, 4-44, 4-45, 4-50, 4-53, 4-55, 4-60, 4-61, 4-68, 4-72, 4-76, 4-77, 4-79, 4-81, 4-124, 4-127, 4-130, 4-134, 4-137, 4-138, 4-139, 4-140, 4-145, 4-157, 4-174, 4-191, 4-192, 4-210, 5-14
- recreation, ES-8, 1-3, 3-1, 4-38, 4-39, 4-87, 4-89, 4-125, 4-137, 4-139, 4-144, 4-218, 4-226, 4-227, 5-8
- Regulator Station 1286, 1-13, 2-6, 2-9, 2-12, 2-14, 4-2, 4-34, 4-45, 4-71, 4-72, 4-126, 4-127, 4-145, 4-181, 4-186, 4-216, 5-15
- reseeding, 4-20, 4-22, 4-67, 4-70, 5-2
- residence, 2-5, 2-29, 4-132, 4-133, 4-135, 4-136, 4-141, 4-163, 5-8, 5-12, 5-19
- restoration, ES-2, ES-4, ES-5, ES-6, ES-8, ES-12, 1-11, 2-22, 2-25, 2-27, 2-29, 2-30, 2-31, 2-33, 2-34, 2-35, 2-36, 4-9, 4-10, 4-16, 4-18, 4-20, 4-21, 4-22, 4-43, 4-48, 4-51, 4-54, 4-57, 4-61, 4-66, 4-70, 4-76, 4-80, 4-81, 4-90, 4-93, 4-125, 4-136, 4-152, 4-192, 4-217, 4-218, 4-221, 4-223, 4-225, 4-226, 4-235, 5-2, 5-5, 5-6, 5-15, 5-17, 5-18, 5-21
- revegetation, ES-5, ES-6, 2-25, 2-35, 2-36, 4-9, 4-14, 4-15, 4-16, 4-18, 4-20, 4-21, 4-54, 4-65, 4-66, 4-67, 4-70, 4-71, 4-77, 4-78, 4-80, 4-90, 4-91, 4-132, 4-140, 4-221



## APPENDIX S – KEYWORD INDEX

- riparian, 4-47, 4-80, 4-90, 4-97, 4-98, 4-100, 4-101
- rock, ES-5, 2-6, 2-15, 2-18, 2-19, 2-20, 2-22, 2-23, 2-31, 2-32, 4-12, 4-13, 4-15, 4-18, 4-19, 4-21, 4-22, 4-23, 4-51, 4-52, 4-66, 4-92, 4-97, 4-108, 4-112, 4-189, 5-2
- Rover Pipeline, LLC, ES-14, 2-1, 2-5, 3-9, 3-10, 4-199, 4-213, 4-218, 4-219, 4-220, 4-222, 4-223, 4-225, 4-226, 4-227, 4-229, 4-230, 4-231, 4-235, 5-13, 5-14, 5-21
- RS-1286, 2-6, 2-9, 2-12, 2-14, 4-2, 4-34, 4-45, 4-71, 4-72, 4-126, 4-127, 4-145, 4-181, 4-186, 4-216, 5-15
- R-System Regulator Station, 1-10, 1-13, 2-1, 2-6, 2-7, 2-9, 2-14, 2-18, 4-2, 4-34, 4-45, 4-52, 4-72, 4-126, 4-127, 4-141, 4-145, 4-181, 4-186, 4-215
- rutting, 2-25, 4-15, 4-18, 4-19, 4-51
- scoping meetings, ES-3, ES-4, 1-6, 1-8
- scour, 2-26, 2-27, 4-91, 4-92
- Secretary of the Commission (Secretary), 3-12, 4-4, 4-41, 4-57, 4-70, 4-76, 4-77, 4-86, 4-114, 4-115, 4-131, 4-136, 4-141, 4-162, 4-170, 4-179, 4-184, 4-235, 5-11, 5-12, 5-15, 5-16, 5-17, 5-18, 5-19, 5-20, 5-21
- Section 7 of the Endangered Species Act, 1-5, 4-93, 4-94, 4-117, 5-7
- sedimentation, 2-22, 2-36, 4-7, 4-20, 4-22, 4-31, 4-46, 4-47, 4-48, 4-53, 4-67, 4-88, 4-89, 4-90, 4-92, 4-93, 4-225, 5-2, 5-3, 5-6, 5-7
- shale, 1-3, 4-1, 4-2, 4-15, 4-198, 4-207, 4-213, 4-216, 4-217, 4-218, 4-219, 4-220, 4-221, 4-222, 4-224, 4-225, 4-226, 4-227, 4-228, 4-229, 4-232
- slope, 2-1, 2-15, 2-16, 2-22, 2-31, 2-34, 4-6, 4-7, 4-9, 4-11, 4-15, 4-21, 4-43, 4-79, 4-115
- slope breaker, 2-16, 2-34, 4-7, 4-21
- soils, ES-4, ES-5, 1-3, 1-11, 2-22, 2-24, 2-25, 2-29, 2-32, 2-34, 4-3, 4-5, 4-6, 4-7, 4-9, 4-12, 4-14, 4-15, 4-16, 4-17, 4-18, 4-19, 4-21, 4-22, 4-30, 4-31, 4-43, 4-49, 4-50, 4-52, 4-53, 4-54, 4-56, 4-57, 4-65, 4-67, 4-108, 4-112, 4-125, 4-137, 4-172, 4-218, 4-219, 4-235, 5-2
- solar, 4-163
- special-status species, 4-76
- spoil, 1-11, 2-15, 2-21, 2-22, 2-25, 2-30, 2-31, 4-3, 4-14, 4-22, 4-47, 4-52, 4-93, 5-2, 5-6
- spring, 1-10, 2-32, 3-11, 4-18, 4-28, 4-30, 4-32, 4-66, 4-75, 4-94, 4-98, 4-234, 5-5
- State Historic Preservation Office (SHPO), 1-15, 1-18, 4-157, 4-158, 4-159, 4-160, 4-161, 4-238, 4-239, 5-9, 5-10
- subdivision, ES-13, 4-201
- subsidence, 4-3, 4-4, 4-9, 4-10, 4-11, 4-12, 4-195
- Summerfield Compressor Station, ES-2, 1-9, 1-13, 1-16, 2-6, 2-9, 2-14, 2-18, 3-9, 3-12, 4-1, 4-3, 4-12, 4-33, 4-45, 4-46, 4-72, 4-99, 4-126, 4-127, 4-145, 4-165, 4-166, 4-168, 4-174, 4-175, 4-176, 4-177, 4-181, 4-182, 4-184, 4-199, 4-202, 4-204, 4-205, 4-207, 4-208, 4-215, 4-216, 4-229, 4-230, 4-231, 5-11
- system alternatives, ES-4, 13, 3-1, 3-2, 3-3, 3-5, 5-13
- taxes, ES-9, 1-11, 4-151, 4-152
- tie-in, 2-6, 2-7, 2-9, 2-18, 2-23, 4-46, 4-52, 4-121
- traffic, 5, 6, 2-15, 2-16, 2-21, 2-22, 2-23, 2-30, 2-34, 4-18, 4-19, 4-20, 4-21, 4-22, 4-31, 4-51, 4-52, 4-53, 4-54, 4-56, 4-65, 4-66, 4-125, 5-2
- trails, ES-8, ES-9, 4-137, 4-143, 5-8
- tribe, 4-160, 4-161, 5-10

## APPENDIX S – KEYWORD INDEX

- U.S. Army Corps of Engineers (COE), ES-1, ES-6, ES-7, ES-15, 1-1, 1-4, 1-7, 1-15, 1-18, 4-15, 4-41, 4-49, 4-50, 4-57, 4-220, 4-221, 5-1, 5-5
- U.S. Department of Energy (DOE), 4-175, 4-233
- U.S. Department of Transportation (DOT), 2-5, 2-7, 2-12, 2-20, 2-33, 4-5, 4-43, 4-92, 4-138, 4-142, 4-188, 4-189, 4-190, 4-192, 4-193, 4-194, 4-195, 4-196, 4-201, 4-235, 5-12, 5-15
- U.S. Environmental Protection Agency (EPA), ES-1, ES-3, 1-1, 1-3, 1-4, 1-5, 1-7, 1-8, 4-14, 4-17, 4-24, 4-29, 4-37, 4-67, 4-153, 4-156, 4-163, 4-164, 4-165, 4-168, 4-172, 4-174, 4-175, 4-178, 4-197, 4-233, 4-234, 5-1
- U.S. Fish and Wildlife Service (FWS), ES-1, ES-7, ES-8, ES-14, ES-15, 1-1, 1-5, 1-15, 1-16, 1-18, 4-65, 4-70, 4-76, 4-78, 4-80, 4-82, 4-84, 4-85, 4-86, 4-88, 4-89, 4-93, 4-94, 4-95, 4-96, 4-97, 4-98, 4-99, 4-100, 4-101, 4-102, 4-103, 4-104, 4-105, 4-106, 4-107, 4-108, 4-111, 4-113, 4-115, 4-116, 4-117, 4-137, 4-223, 4-224, 4-226, 5-1, 5-6, 5-7, 5-19
- U.S. Geological Survey (USGS), 3-1, 4-1, 4-2, 4-3, 4-4, 4-5, 4-6, 4-7, 4-9, 4-23, 4-24, 4-28, 4-216
- Upland Erosion Control, Revegetation, and Maintenance Plan (Plan), ES-5, 2-20, 2-21, 2-31, 2-33, 4-19, 4-30, 4-32, 4-43, 4-47, 4-70, 4-80, 4-85, 4-140, 4-142, 4-219, 4-226, 5-2, 5-3, 5-9
- volatile organic compounds (VOC), ES-11, 4-32, 4-163, 4-166, 4-167, 4-168, 4-170, 4-172, 4-174, 4-231
- water resources, ES-13, 1-5, 4-28, 4-32, 4-44, 4-46, 4-48, 4-49, 4-123, 4-197, 4-218, 4-221, 4-233, 4-235, 5-4, 5-12
- waterbody, ES-3, ES-4, ES-5, ES-6, ES-7, ES-15, 1-4, 1-9, 1-10, 2-5, 2-16, 2-22, 2-25, 2-26, 2-27, 2-28, 2-32, 2-34, 2-36, 3-8, 3-10, 3-11, 4-7, 4-12, 4-13, 4-20, 4-32, 4-35, 4-36, 4-37, 4-38, 4-39, 4-41, 4-43, 4-44, 4-46, 4-47, 4-48, 4-49, 4-56, 4-67, 4-80, 4-86, 4-87, 4-88, 4-89, 4-90, 4-91, 4-92, 4-93, 4-95, 4-102, 4-103, 4-104, 4-106, 4-113, 4-114, 4-123, 4-217, 4-219, 4-220, 4-221, 4-225, 5-3, 5-4, 5-6, 5-7, 5-14
- West Virginia Department of Environmental Protection (WVDEP), ES-1, ES-7, 1-1, 1-5, 1-15, 2-21, 2-24, 4-3, 4-4, 4-18, 4-20, 4-22, 4-29, 4-36, 4-38, 4-39, 4-40, 4-43, 4-48, 4-49, 4-66, 4-70, 4-87, 4-88, 4-163, 4-165, 4-175, 4-217, 4-220, 4-230, 5-1, 5-2, 5-11
- West Virginia Department of Natural Resources (WVDNR), ES-1, ES-6, 1-1, 1-3, 1-5, 1-15, 4-39, 4-41, 4-49, 4-76, 4-77, 4-88, 4-89, 4-102, 4-103, 4-104, 4-109, 4-113, 4-138, 5-1, 5-3, 5-19
- West Virginia Division of Health and Human Resources (WVDHHR), 4-23, 4-25, 4-36
- West Virginia Geological and Economic Survey (WVGES), 4-1
- wetland, ES-3, ES-4, ES-6, ES-15, 1-3, 1-8, 1-9, 1-11, 2-1, 2-15, 2-16, 2-21, 2-22, 2-25, 2-26, 2-34, 2-35, 2-36, 2-37, 3-5, 3-8, 3-10, 3-11, 3-12, 3-14, 4-7, 4-19, 4-20, 4-30, 4-31, 4-38, 4-49, 4-50, 4-51, 4-52, 4-53, 4-54, 4-55, 4-56, 4-57, 4-58, 4-60, 4-61, 4-62, 4-65, 4-66, 4-67, 4-69, 4-70, 4-71, 4-73, 4-74, 4-75, 4-76, 4-78, 4-80, 4-81, 4-85, 4-86, 4-87, 4-95, 4-112, 4-116, 4-123, 4-124, 4-126, 4-128, 4-141, 4-142, 4-217, 4-219, 4-220, 4-221, 4-235, 5-1, 5-4, 5-5, 5-6, 5-16, 5-18, 5-19
- Wetland and Waterbody Construction and Mitigation Procedures (Procedures), 2-20, 2-24, 4-43, 4-45, 4-46, 4-47, 4-48, 4-54, 4-55, 4-57, 4-74, 4-80, 4-89, 4-90, 4-91, 4-92, 4-128
- wind, 4-15, 4-18, 4-22, 4-172, 5-2