

IV. ERRATA TO THE DRAFT GEIS

A. VOLUME I OF DRAFT GEIS

- p. i Heading III - change "REIVEW" to "REVIEW"
- p. ii Heading V.B. - change "Oil, Gas and Salt" to "Oil and Gas"
- p. x Line 5 - change "11-3a" to "11-4a"
- p. xi Heading f - change "11-21" to "11-22"
- p. xii Line 1 - change "11-24" to "11-25"
- p. xiii Heading D - change "Immissible" to "Immiscible"
- p. xvii Headings for Tables 15.3 and 15.4 - move down to D.1
- p. 2 Line 1 - change "Codes" to "Code"
- p. 3 2nd full ¶, line 4 - change "sensivite" to "sensitive" and remove comma after "areas"
- p. 2-2 3rd full ¶, line 3 - change "Administration's Procoedures"-to "Administrative Procedures"
- p. 3-3 Line 1 - insert "supplemental" between "specific" and "environmental"
- p. 3-3 Line 8, no. 5 - delete "major" and add to end of line "and major expansions of existing projects."
- p. 3-3 Line 11, no. 8 - no. 8 should be changed to no. 9 and a new entry added that reads "8. Brine disposal well drilling or conversion permit (the permitting guidelines require a technical review equivalent to a supplemental EIS addressing the safety, environmental and technical issues)."
- p. 3-3 New no. 9 - insert "regulated by the Oil, Gas and Solution Mining Law" between "project" and "not"
- p. 3-3 1st full ¶, line 3 - insert "(1)" before "the disturbance"; line 4 - delete "(1)"
- p. 3-5 Last line - change "requiredesd" to "required"
- p. 3-8 3rd full ¶ - replace the 1st two sentences with "Because of the required setbacks of 660 feet from boundary lines and 1,320 feet from other wells, the statewide spacing of natural gas wells is generally a maximum of one well to 40 acres. However, the actual disturbance is usually less than two acres, as previously mentioned."

p. 3-8a

The categories listed under PIPELINE TYPE in Figure 3.1 should read:

- Gathering
 <125 psi
- >125 psi
 <1,000 ft.
- *Minor Transmission
 >125 psi >1,000 ft.
 <5 mi. <6" dia.
- *Minor Transmission
 >125 psi >5 mi.
 <10 mi.
- *Transmission
 >125 psi >10 mi.
- Leasehold

p. 3-10

Last line - add "... on the road. Major changes in land use patterns, traffic and the need for ..."

p. 3-9c

The first line under Floodplains in the first column of table should read "loss of floodway adsorption capacity."

p. 3-9c

The key at the bottom of the table should read:

"KEY: 0 = None 0 = Minor 0 = Serious or Major"

p. 3-9d

The key should be corrected as above.

p. 4-2

1st line - change "900" to "600"

p. 4-2

2nd line - change "Dodd, Mead" to "Herrick."

p. 4-5

3rd full ¶, line 3 - change "Allegheny" to "Allegany"

p. 4-5a

Figure 4.3 - switch #2 and #3 on the map and add a #6 in the upper right corner of Wyoming County. Add to the list "#6 Texas Brine Company, Wyoming."

p. 4-9

Line 1 - change "DEC to "Conservation Department"

p. 4-10

Last full ¶, line 5 - change "up to 40,000" to "over 50,000"
line 6 - change "State" to "Department of Environmental Conservation."

- p. 4-10 1st full ¶, line 6 - change "Aproximately" to "Approximately"
- p. 4-12 Last ¶, line 2 - add "extensively" before "updated"
- p. 5-2 1st full ¶, last line - change "Section 5.E" to "Section 5.D"
- p. 5-3 Line 4 - change "living organisms" to "organic matter"
- p. 5-3 Heading B - change "OIL, GAS AND SALT" to "OIL AND GAS"
- p. 5-4 1st full ¶, line 5 - delete "permeable"
- p. 5-5 2nd full ¶, line 5 - change "perfect spheres" to "perfect spheres of equal size"
- p. 5-11 Line 8 - change "(Mcf/d)" to "(cf/d)"
- p. 5-15 Line 1 - delete line
- p. 5-21 Line 7 - "the Helderberg" should be changed to "equivalents of the Helderberg"
- p. 5-27 1st full ¶, line 7 - delete phrase "Although no...since 1974" and start last sentence with "Future"
- p. 5-28 1st full ¶, line 3 - change "Genesee" to "Geneseo"
- p. 5-35 1st full ¶, line 7 - change "Cayuga Lake" to "the north end of Canandaigua Lake"
- p. 6-14 Line 8 - change "relagates" to "relegates"
- p. 6-14 2nd full ¶ - add sentence at end - "Included also are rare animals, plants and natural communities as listed in the New York Natural Heritage database, as well as Significant Coastal Fish and Wildlife Habitats as described on p. 8-56."
- p. 7-2 Line 2 - change "projects's" to "projects"
- p. 7-2 Last ¶, line 3 - change "probably" to "probable"
- p. 7-7 Last partial ¶, line 1 - change "15" to "20"
- p. 7-8 Line 5 - change "15" to "20"
- p. 7-8 Line 7 - change "result" to "results"
- p. 7-8 1st full ¶, line 8 - change "permitted" to "permitted"
- p. 8-1 Last line - change "solution mining wells" to "solution mining or underground gas storage wells"

- p. 8-2 2nd full ¶, 1st line - precede this sentence with the phrase "Because of required setbacks from property lines and other wells," and change "must be" to "are"
- p. 8-2 2nd full ¶, line 8 - change "the 40 acre rule" to "current regulations"
- p. 8-2 2nd full ¶, last line- add "except along the Pennsylvania-New York State line where a 330' setback is in effect."
- p. 8-2 3rd full ¶ - change "The 40 acre spacing rule" to "The general 40 acre spacing requirement"; add to the end of the paragraph, "The 40 acre figure is a 'rule of thumb' based on the area defined by the required setbacks."
- p. 8-5 3rd full ¶, line 6 - change "accidental" to "accidental"
- p. 8-9 No. 3, line 2 - change "58" to "69"
- p. 8-11 Last ¶, line 4 - delete the apostrophe after "its"
- p. 8-13 1st full ¶, line 10 - change "communcation" to "communication"
line 11 - change "8-49" to "8-54"
- p. 8-17 1st full ¶, line 6 - change "distrubance" to "disturbance"
- p. 8-18 Line 4 - delete "is"
- p. 8-21 2nd full ¶, line 4 - change "additon" to "addition"
- p. 8-22 1st full ¶, lines 16-18 - One sentence starting with "It is" should be in **bold type**.
- p. 8-28 1st full ¶, line 7 - change "reclamtion" to "reclamation"
- p. 8-31 Line 3 - change "nmay" to "may"
- p. 8-31 2nd full ¶, line 4 - insert "must" between "base" and "be"
- p. 8-35 Line 5 - change "justificiation" to "justification"
- p. 8-39 Heading 3 - change "Engangered" to "Endangered"
- p. 8-46a Change heading on Table 8.1 to "Summary of Freshwater Wetland Classes and Permit Standards"
- p. 8-50 Last line - change "extentions" to "extensions"
- p. 8-54 3rd full ¶, line 2 - change "tenatively" to "tentatively"
- p. 8-55 Line 10 - change "encouragment" to "encouragement"

- p. 8-56 2nd full ¶, line 9 - change "increases" to "increases"
- p. 9-8 Line 1 - change "New regulations require" to "Article 12 of the Navigation Law requires"
- p. 9-18 1st full ¶, line 3 - insert "a" before "few"
- p. 9-18 1st full ¶, line 7 - change "ususally" to "usually"
- p. 9-21 Last ¶ - delete sentence in bold type because this information has been required since 1984
- p. 9-30 Last ¶, line 4 - change "fradaulent" to "fraudulent"
- p. 9-32 1st full ¶, line 11 - change "Availabililty" to "Availability"
- p. 9-35 2nd full ¶, line 10 - change "earthern" to "earthen"
- p. 9-38 1st full ¶, line 7 - change "cadium" to "cadmium"
- p. 9-38 2nd full ¶, line 5 - insert "of" between "concentrations" and "heavy"
- p. 9-42 Line 5 - change "softner" to "softener"
- p. 9-45 2nd full ¶, line 5 - change "supression" to "suppression"
- p. 10-2 1st full ¶, line 3 - change "guages" to "gauges"
- p. 10-4 Line 6 - change "guages" to "gauges"
- p. 10-7 Line 2 - change "up to five barrels a day" to "or decrease"
- p. 10-9 2nd full ¶, line 2 - change "permability" to "permeability"
- p. 10-10 3rd full ¶, line 6 - change "suprisingly" to "surprisingly"
- p. 10-11 1st full ¶, line 6 - remove period after "timeframe"
- p. 10-12 Last full ¶, line 2 - change "556.8" to "554.8"
- p. 11-5 Last ¶, line 5 - change "abandon" to "abandonment"
- p. 11-20 Heading C - change "Significant" to "Significant" and delete "Brackish"
- p. 11-21 Line 3 - change "pluging" to "plugging"

p. 11-21 2nd full ¶, line 3 - change "significant" to "significant"

p. 11-23 Last full ¶ - change "severence" to "severance"

B. VOLUME II OF DRAFT GEIS

p. 12-5 1st full ¶, line 8 - the production potential quoted is higher than New York's and more representative of the most prolific oil producing regions

p. 12-6 Last ¶, line 4 - change "sulphate-based" to "sulphate-reducing"

p. 12-7 Line 5 - change "phosphanates" to "phosphonates"

p. 12-9 1st full ¶, line 9 - change "To date" to "In 1980" and change "has been" to "was"

p. 12-9 Last ¶, line 3 - add the reference "(Interstate Oil Compact Commission, 1955)"

p. 12-11 1st full ¶, line 4 - change "activitated" to "activated"

p. 12-13 3rd full ¶, line 7 - change line to read, "development, 75' below the deepest freshwater or 75' into bedrock, whichever is"

p. 12-16 1st full ¶, line 5 - change "additivities" to "additives"

p. 12-23 Last ¶, line 2 - move "(xanthan biopolymers)" to line 1 after "polysaccharides"

p. 12-28 1st full ¶, line 5 - change "van Poolen" to "Van Poolen"

p. 12-28 No. 3 - add the reference "(Van Tyne and Foster, 1980)" after each paragraph in this section

p. 12-30 Lines 6 & 7 - change "van" to "Van" and "associates" to "Associates"

p. 12-31 No. 4, 1st 2 ¶ - add the reference "(Van Tyne and Foster, 1980)" after each paragraph

p. 12-36 3rd full ¶, line 3 - change "\$1,000" to "\$500 to \$5,000"

p. 12-41 No. 7, line 1 - add "in the confining zone" after "fractures"

p. 12-41 No. 7, line 4 - change "lease" to "least"

p. 12-44 1st full ¶, line 1 - change "accidental" to "accidental"

p. 13-3 Line 4 - change "10" to "18" and "another 40" to "many more"

- p. 13-13 Line 6 - delete "of" before "within"
- p. 13-22 Line 1 - change "agressively" to "aggressively"
- p. 14-6 2nd full ¶, line 3 - change "submited" to "submitted"
- p. 14-7 Lines 2 & 3 - change "reservior" to "reservoir"
- p. 14-8 Line 1 - delete first full sentence starting with word "Since"
- p. 14-8 Line 4 - change "reservior" to "reservoir"
- p. 14-9 Line 4 - change "reservior" to "reservoir"
- p. 14-10 3rd full ¶, line 4 - change "compatability" to "compatibility"
- p. 14-21 Last line - change "compatability" to "compatibility"
- p. 14-23 Line 3 - change "facillity" to "facility"
- p. 14-23 Heading I - change "FACILILTY" to "FACILITY"
- p. 14-25 2nd full ¶ - delete ¶
- p. 14-26 2nd full ¶, line 9 - change "availabe" to "available"
- p. 14-28 Line 5 - change "reservior" to "reservoir"
- p. 14-28 Last ¶, line 6 - change "reservior" to "reservoir"
- p. 14-29 1st full ¶ - delete last two sentences starting with word "This"
- p. 14-31 2nd full ¶, line 3 - change "campatability" to "compatibility"
- p. 15-6 2nd full ¶, line 7 - change "Coopertive" to "Cooperative"
- p. 15-6 Last ¶, line 3 - change "will" to "may"
- p. 15-17 1st full , line 10 - change "inordinantly" to "inordinately"
- p. 16-8 Line 5 - add "and clearing and filling for well pads and access roads" to the end of the sentence
- p. 16-24 Heading E - change "UNDERGROUND" to "UNDERGROUND"
- p. 17-5 Letter g, line 4 - change "one" to "two and a half"
- p. 17-9 Letter h, line 11 - change "measureable" to "measurable"

- p. 17-15 Letter l, line 3 - change "convas" to "canvas"
- p. 17-22 Lines 18 and 19 - change "Every effort" to "Reasonable efforts"
- p. 17-25 Letter c, line 1 - change "enchanced" to "enhanced"
- p. 17-26 1st line - change "earthern" to "earthen"
- p. 17-26 Line 3 - change "enviornmental" to "environmental"
- p. 17-31 Letter h, line 3 - change "Thie" to "This"
- p. 18-5 Last line - change "compatable" to "compatible"
- p. 18-10 Last line - change "intagible" to "intangible"
- p. 18-12 Last ¶, line 2 - change "interruptable" to "interruptible"
- p. 18-17 1st full ¶, line 2 - change "Appalachain" to "Appalachian"
- p. 18-21 Last line - change "compatable" to "compatible"
- p. 19-2 Heading B, line 3 - change "asthetics" to "aesthetics"
- p. 20-1 Heading C, line 1 - change "irretreivable" to "irretrievable"
- p. 21-4 2nd full ¶, line 4 - change "huundred" to "hundred"
- p. 21-5 Heading C, line 2 - insert "extensively" before "updated"

Glossary

- p. 1 Annular Space - add the phrase "between the tubing and casing or wellbore" to the definition
- p. 2 Cable Tool - change "1 to 2 inch" to "5/8 to 1 inch"
- p. 3 Cement Bond Log - change "local" to "locate"
- p. 5 Add "Exploratory Well: A well drilled outside a proven productive area or horizon."
- p. 7 Add "Infill Drilling: Drilling between known producing wells to better exploit the reservoir."
- p. 7 Log - delete "a" before "certain"

- p. 9 Pool - add "and/or gas" at the end of definition 1
- p. 12 Strippers - add to definition "or 60 thousand cubic feet of gas per day."

References

- p. 4 Add "Interstate Oil Compact Commission, 1955(?) Secondary Recovery Operations in New York State to 1955."
- p. 11 Line 1 - change "1984" to "1983"
- p. 11 Add "Van Tyne, Arthur M., 'New York' in H.G. Richards et al, 'Oil and Gas Developments in Northeastern States in 1966,' in AAPG Bulletin, Vol. 51, No. 6, 1967."
- p. 12 No. 16, line 3 - change "2/22/83, 2/24/83" to "2/22/84, 2/24/84"

C. VOLUME III of DRAFT GEIS

Appendix #4

- p. 1 Last ¶, line 2 - delete "warranty"
- p. 3 Line 9 - change "has an implied covenant to develop" to "contains provisions to maintain it in force"
- p. 7 No. 1, line 1 - change "consequences of condemnation" to "termination"
- p. 8 No. 4, line 1 - change "Converants" to Covenants"
- p. 11 Line 3 - change "should" to "may wish to" and after "legal counsel" insert "with expertise in oil and gas lease matters"