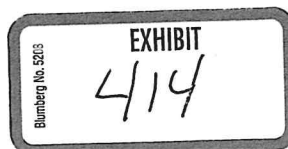


From: James R. Kunkel [jimrkunkel@gmail.com]
Sent: Monday, March 21, 2016 2:55 PM
To: Faith E. Bugel; Jenny Cassel; Lindsay Dubin; Robert Gelles
Subject: Selected Corrected References to Expert Report on G-W Contamination
Attachment(s): "Selected Corrected References-1.pdf"

Attached

James R. Kunkel, Ph.D., P.E.
+1 720-443-9136 (cell)



Comp 053522



- The ground-water contamination at the Will County site at and near the ash ponds is the result of current and former coal ash/slag storage in both unlined and lined ash ponds, using coal ash as a construction material, and leaks in the ash pond liners; and
- Ground-water and Des Plaines River surface-water elevations are always above the bottom of the liners which likely has caused, and likely will cause in the future, hydrostatic uplift and liner failure.

Yours truly,

JAMES R. KUNKEL, Ph.D., P.E.

REFERENCES

Electric Power Research Institute (EPRI). 2010. Comparison of Risks for Leachate from Coal Combustion Product Landfills and Impoundments with Risks for Leachate from Municipal Solid Waste Landfill Facilities. Palo Alto, CA. November. 1020555. 6 Sections, 15 appendices. (Comp. 017321-017472)

Electric Power Research Institute (EPRI). 2012. Groundwater Quality Signatures for Assessing Potential Impacts from Coal Combustion Product Leachate. EPRI Report No. 1017923. Nov. 15. Abstract. (Comp. 017473-017473)

ENSR Consulting. 1998a. Phase I Environmental Site Assessment of the Commonwealth Edison Joliet #29 Generating Station, 1800 Channahon Road, Joliet, Illinois. Report prepared for Commonwealth Edison Company. October. 7 Sections. 2 figs. (MWG13-15_25139-25167) ✓

* ENSR Consulting. 1998b. Phase II Environmental Site Assessment of the Commonwealth Edison Joliet #29 Generating Station, 1800 Channahon Road, Joliet, Illinois. Report prepared for Commonwealth Edison Company. December. 4 Sections. 5 tables. 6 figs. 3 appendices. (MWG13-15_2459-2495)
23301-23597

ENSR Consulting. 1998c. Phase I Environmental Site Assessment of the ComEd Powerton Generating Station, Manito Road, Pekin, Illinois. Report prepared for Commonwealth Edison Company. October. 7 Sections. 2 figs. (MWG13-15_143-176)

ENSR Consulting. 1998^pd. Phase II Environmental Site Assessment of the ComEd Waukegan Generating Station, 10 Greenwood Avenue, Waukegan, Illinois. Report prepared for Commonwealth Edison Company. November 16. 4 Sections. 5 tabs. 6 figs. 3 appendices. (MWG13-15_5058-5092) (MWG13-15_11966-12002) ✓
45777-46054

ENSR Consulting. 1998^fe. Commonwealth Edison Company, Phase II Environmental Site Assessment, Will County Generating Station, 529 East Romeo Road, Romeoville, Illinois. Report prepared for Commonwealth Edison Company. December 7. 4 Sections. 5 tabs. 6 figs. 3 appendices. (MWG13-15_5699-6039) ✓

Illinois Environmental Protection Agency (IEPA). 2010. Illinois EPA Ash Impoundment Strategy Progress Report, October 2010. 5 p. (Comp. 019062-019066)

Illinois Environmental Protection Agency (IEPA). 2012a. Compliance Commitment Agreement, Violation Notice: W-2012-00059, Midwest Generation, LLC, Joliet #29 Generating Station; ID Number: 6284, October 24. (Comp. 009580-009585)



ENSR 1998d powerton phase II 3253-3348

From: James R. Kunkel [jimrkunkel@gmail.com]
Sent: Monday, March 21, 2016 2:58 PM
To: Faith E. Bugel; Jenny Cassel; Lindsay Dubin; Robert Gelles
Subject: Selected Corrected References to Expert Report on G-W Contamination
Attachment(s): "Selected Corrected References-1.pdf"

Attached

James R. Kunkel, Ph.D., P.E.
+1 720-443-9136 (cell)



- The ground-water contamination at the Will County site at and near the ash ponds is the result of current and former coal ash/slag storage in both unlined and lined ash ponds, using coal ash as a construction material, and leaks in the ash pond liners; and
- Ground-water and Des Plaines River surface-water elevations are always above the bottom of the liners which likely has caused, and likely will cause in the future, hydrostatic uplift and liner failure.

Yours truly,

JAMES R. KUNKEL, Ph.D., P.E.

REFERENCES

- Electric Power Research Institute (EPRI). 2010. Comparison of Risks for Leachate from Coal Combustion Product Landfills and Impoundments with Risks for Leachate from Municipal Solid Waste Landfill Facilities. Palo Alto, CA. November. 1020555. 6 Sections, 15 appendices. (Comp. 017321-017472)
- Electric Power Research Institute (EPRI). 2012. Groundwater Quality Signatures for Assessing Potential Impacts from Coal Combustion Product Leachate. EPRI Report No. 1017923. Nov. 15. Abstract. (Comp. 017473-017473)
- ENSR Consulting. 1998a. Phase I Environmental Site Assessment of the Commonwealth Edison Joliet #29 Generating Station, 1800 Channahon Road, Joliet, Illinois. Report prepared for Commonwealth Edison Company. October. 7 Sections. 2 figs. (MWG13-15_25139-25167) ✓
- * ENSR Consulting. 1998b. Phase II Environmental Site Assessment of the Commonwealth Edison Joliet #29 Generating Station, 1800 Channahon Road, Joliet, Illinois. Report prepared for Commonwealth Edison Company. December. 4 Sections. 5 tables. 6 figs. 3 appendices. (MWG13-15_2459-2495)
23301-23597
- ENSR Consulting. 1998c. Phase I Environmental Site Assessment of the ComEd Powerton Generating Station, Manito Road, Pekin, Illinois. Report prepared for Commonwealth Edison Company. October. 7 Sections. 2 figs. (MWG13-15_143-176)
- * ENSR Consulting. 1998^d. Phase II Environmental Site Assessment of the ComEd Waukegan Generating Station, 10 Greenwood Avenue, Waukegan, Illinois. Report prepared for Commonwealth Edison Company. November 16. 4 Sections. 5 tabs. 6 figs. 3 appendices. (MWG13-15_5858-6092) (MWG13-15_11986-12002)
45777-46054
- ENSR Consulting. 1998^e. Commonwealth Edison Company, Phase II Environmental Site Assessment, Will County Generating Station, 529 East Romeo Road, Romeoville, Illinois. Report prepared for Commonwealth Edison Company. December 7. 4 Sections. 5 tabs. 6 figs. 3 appendices. (MWG13-15_5699-6039) ✓
- Illinois Environmental Protection Agency (IEPA). 2010. Illinois EPA Ash Impoundment Strategy Progress Report, October 2010. 5 p. (Comp. 019062-019066)
- Illinois Environmental Protection Agency (IEPA). 2012a. Compliance Commitment Agreement, Violation Notice: W-2012-00059, Midwest Generation, LLC, Joliet #29 Generating Station; ID Number: 6284, October 24. (Comp. 009580-009585)

ENSR 1998d powerton phase II 3253-3348