



MINUTES
Regular Council Meeting
Tuesday, December 1, 2015
Council Chambers 7:00 PM

COUNCIL PRESENT: All members of Council were present this evening

STAFF PRESENT: Lindsey Parkes, CAO/Clerk
Angela Young, Deputy Clerk

MEDIA PRESENT: Peter DeWolf, MyFm Radio

1. **Call to Order and Roll Call**
2. **Disclosure of Pecuniary Interest and the General Nature Thereof**

No disclosures of pecuniary interest were declared at this time.

3. **Adoption of the Agenda**

- 3.1 Agenda dated December 1, 2015

Mayor Peckett advised that Murray Hawley, the first delegation of the evening was unable to attend the meeting due to the weather.

RESOLUTION 1-2015

Moved by Deputy Mayor Armsden, seconded by Councillor Brum

THAT the agenda dated December 1, 2015, be adopted as amended.

CARRIED.

4. **Delegations and Presentations**

- 4.1 Murray Hawley, Supervisor Distribution Technician - Hydro One Networks Inc.
- White Lake Rink Board Upgrade

Mr. Hawley was unable to attend the meeting this evening but has been rescheduled to the December 15, 2015 meeting.

- 4.2 Arnprior Waste Disposal Site - Landfill Report
- Deanna Streifel, Environmental Engineering Officer, Town of Arnprior
- Megan Farnel, Environmental Engineer, Golder Associates Ltd.
[Arnprior Waste Disposal Site Presentation \(23 Slides\)](#)

Ms. Streifel & Ms. Farnel provided an overview of the Arnprior Landfill Site report as prepared by Golder Associates and presented Council with a slide show presentation, which is attached hereto.

5. Matters Arising out of Delegations Heard

Nil.

6. Adoption of Previous Council Minutes

- 6.1 November 10, 2015 - Public Meeting Under the Planning Act - KDSA Development Corporation

RESOLUTION 2-2015

Moved by Deputy Mayor Armsden, seconded by Councillor Lang

***THAT** the minutes of the November 10, 2015, Public Meeting Under the Planning Act be adopted as amended.*

CARRIED.

Council directed that Page 5 of the November 10, 2015 minutes for the Public Meeting Under the Planning Act for the KDSA Development Corporation proposed Zoning Amendment and Plan of Subdivision be amended to read (**changes are underlined and bold**):

"Councillor Lang also indicated that **Council** had received some concerns about trespassing on private property from the developers trail system and indications that the road should be moved further away from the abutting property."

- 6.2 November 17, 2015 - Regular Council Meeting

RESOLUTION 3-2015

Moved by Councillor Brum, seconded by Deputy Mayor Armsden

***THAT** the minutes of the November 17, 2015, Regular Meeting be adopted as submitted and circulated.*

CARRIED.

7. Reports of Committee of Council and Other Boards, Committees and Commissions

7.1 Mayor's Verbal Report

Mayor Peckett provided a copy of the list of meetings he has attended from August - November 2015, to the CAO/Clerk for the file.

RESOLUTION 4-2015

Moved by Councillor Lang, seconded by Deputy Mayor Armsden

THAT the Mayor's verbal report be accepted as information.

CARRIED.

7.2 By-Law Enforcement Report - July-October, 2015

RESOLUTION 5-2015

Moved by Councillor Brum, seconded by Deputy Mayor Armsden

THAT the By-Law Enforcement Report be accepted as information as submitted and circulated.

CARRIED.

8. Information Items

8.1 Correspondence as circulated #1 - #7 (November 13 - November 26, 2015, inclusive) Distributed Separately.

RESOLUTION 6-2015

Moved by Councillor Lang, seconded by Deputy Mayor Armsden

THAT the correspondence items #1-#7 (November 13 - 26, 2015 inclusive) which were distributed separately be accepted as information as circulated.

CARRIED.

Staff was directed to contact the Renfrew County District Health Unit to attend a future meeting as a delegation to explain how to interpret the beach sampling results as per correspondence item #1.

8.2 TransCanada - Energy East Project
- Safety and Emergency Response Day Invitation**RESOLUTION 7-2015**

Moved by Councillor Brum, seconded by Deputy Mayor Armsden

THAT Council accept this correspondence as information as submitted and circulated.

CARRIED.

9. Motions

Nil.

10. Unfinished Business

- 10.1 Save the Nation
- Original Correspondence Requesting Support
- Correspondence dated November 17, 2015
- Meeting Excerpt from December 17, 2013

RESOLUTION 8-2015

Moved by Councillor MacKenzie, seconded by Deputy Mayor Armsden

THAT Council accept this correspondence as information as submitted and circulated.

CARRIED.

- 10.2 TransCanada - Energy East Project
- Update re:Current Sources of Crude Oil and Equipment on Private Property

RESOLUTION 9-2015

Moved by Councillor Brum, seconded by Councillor Lang

THAT Council accept this correspondence as information as submitted and circulated.

CARRIED.

Staff was directed to send a letter to TransCanada to advise that they would like to be apprised immediately when new information arises; and further that they are looking for more timely updates with regards to the valve placements.

- 10.3 Social Media Policy

RESOLUTION 10-2015

Moved by Councillor MacKenzie, seconded by Councillor Brum

THAT Council adopt the "Social Media" policy as submitted and circulated.

CARRIED.

- 10.4 Arnprior & McNab/Braeside Archives - Questions to Council

RESOLUTION 11-2015

Moved by Councillor Lang, seconded by Deputy Mayor Armsden

THAT Council accept this correspondence as information as submitted and circulated.

CARRIED.

The CAO/Clerk and Mayor will compose a letter to the Arnprior & McNab/Braeside Archives to inquire as to their intentions. This letter will be presented to Council in draft format for approval prior to being sent out.

11. New Business

- 11.1 Ontario Good Roads Association
- Report of the OGRA Nominating Committee

RESOLUTION 12-2015

Moved by Councillor MacKenzie, seconded by Councillor Brum

THAT Council accept this correspondence as information as submitted and circulated.

CARRIED.

12. Notice of Motions

Nil.

13. By-Laws

- 13.1 By-Law #2015-105 - False Fire Alarm

RESOLUTION 13-2015

Moved by Councillor Brum, seconded by Councillor Lang

THAT By-Law #2015-105, being a By-Law to establish procedures with respect to false fire alarms, I now deemed read a second and third time short and is hereby enacted and passed.

CARRIED.

- 13.2 By-Law #2015-106 - Backyard Chickens

RESOLUTION 14-2015

Moved by Councillor MacKenzie, seconded by Councillor Brum

THAT By-Law #2015-106, being a By-Law to regulate backyard chickens, I now deemed read a second and third time short and is hereby enacted and passed.

CARRIED.

- 13.3 By-Law #2015-107 - Speed Limits

RESOLUTION 15-2015

Moved by Councillor Brum, seconded by Councillor MacKenzie

THAT By-Law #2015-107, being a By-Law to authorize speed limits within the Township of McNab/Braeside, I now deemed read a second and third time short and is hereby enacted and passed.

CARRIED.

14. Public Questions/Comments

14.1 Peter DeWolf inquired what the prescribed fines are pertaining to False Fire Alarms, to which he was advised that the CAO/Clerk would provide him with a copy of the fines.

15. Closed Meeting Session

Nil.

16. Notice of Council Meeting Dates

As recorded on the Agenda

17. Confirmatory By-Law

17.1 By-Law #2015-108 - Confirm the proceedings of Council - December 1, 2015

RESOLUTION 16-2015

Moved by Councillor Brum, seconded by Deputy Mayor Armsden

THAT By-Law #2015-108, being a By-Law to confirm the proceedings of the December 1, 2015, Regular Meeting of Council of the Corporation of the Township of McNab/Braeside, I now deemed read a second and third time short and is hereby enacted and passed.

18. Adjournment

This meeting adjourned at 8:15 p.m.

MAYOR

CAO/CLERK



Arnprior Waste Disposal Site Annual Monitoring Results

Deanna Streifel
Environmental Engineering Officer

Background

- The Arnprior Waste Disposal Site (AWDS) operates under an Environmental Compliance Approval issued by the Ministry of Environment and Climate Change (MOE).
- All activities undertaken on the Site, including landfilling and recycling are approved by the MOE, and continued approval is dependent on the AWDS meeting the standards outlined in the ECA.



Annual Monitoring

- Golder Associates Ltd. monitors the groundwater and surface water at the AWDS throughout the year.
- Annual monitoring report ECA requirement
- Ground and surface water
- Grinding, filling rates, and any complaints
- Provided to the MOE and McNab/Braeside for information purposes.
- Comments received from MOE several months later
 - Agreement or Recommendations



Natural Attenuation

- Approved to operate as a Naturally Attenuated Site
- Relies on naturally occurring physical, chemical, and biological processes in the soil throughout the Contaminant Attenuation Zone (CAZ) to reduce concentrations
- Leachate will have the highest concentration in groundwater at the point that it exits the landfilling area.
- Concentrations lowered to 'Reasonable Use' by end of CAZ



Reasonable Use

- RUPO - Reasonable Use Performance Objectives
- Change in groundwater quality only acceptable if not degraded in excess of :
 - 50% of the difference between background concentrations and established water quality criteria for aesthetic related parameters,
 - 25% of the difference between background conditions and established water quality criteria for health related parameters.
- Trigger levels established at either 75 percent of the RUPO or the median background concentration, whichever is greater



Contingency Measures

- Exceedances over multiple monitoring events → Problems?
- Contingency measures implemented
 - Additional CAZ purchase w/ increased monitoring,
 - installation of additional monitoring wells,
 - redirection of surface water,
 - additional surface cover to influence leachate generation.



Long Term Monitoring

- Groundwater quality at a down-gradient property (Tembec), is not degraded any more than a minimal amount over the long term.
- Fluctuations throughout the year:
 - changing temperatures,
 - increased or decreased rainfall
 - seasonal activities such as road salting.
- Compliance is evaluated by analyzing individual events as well as long term trends.
- Many years of monitoring show steady or decreasing concentrations



Leachate Indicator Parameters

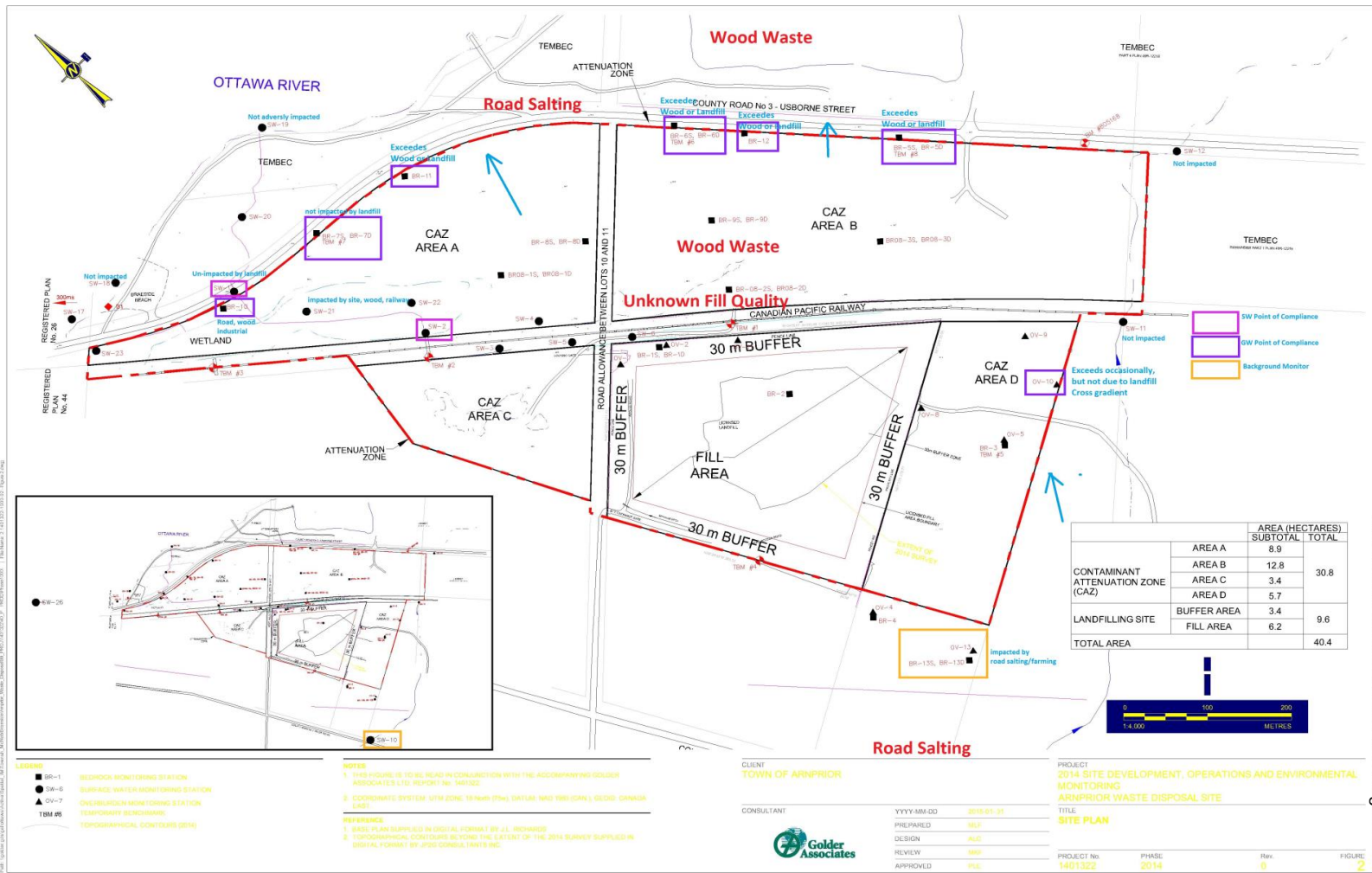
- A leachate indicator parameter is analyte used to determine whether landfill leachate is impacting surrounding water resources.
 - Concentration compared at several points across and down-gradient of the landfill
- | | | |
|--------------|--------------------------|----------------------------|
| • alkalinity | • hardness | • Dissolved Organic Carbon |
| • ammonia | • potassium | • Phosphorus |
| • boron | • manganese | |
| • barium | • sodium | |
| • chloride | • Total Dissolved Solids | |
| • iron | | |



Background Water Quality

- A key piece of information used to calculate reasonable use values at the AWDS is the quality of surface and groundwater at “background” locations, before water crosses onto the landfill property.
- Background monitoring sites are located southeast and up gradient of the property line.





Problematic Indicator Parameters - Road Salting

- Background locations are somewhat problematic, in that they have already been impacted by other activities, specifically road salting and farming.
- Leachate indicator parameters, chloride, sodium and TDS are commonly present at elevated concentrations in background wells.
- Iron and manganese also detected historically
- Seasonal swings
 - Chloride during spring melt



Report Understanding & Interpretation

- In summary tables all exceedances are stated regardless of the source
- May appear as though the AWDS is out of compliance with its ECA;
 - Chloride detected at a concentrations greater than the Trigger Values, Reasonable Use Guidelines or the ODWQG or PWQO's.
- Full understanding of all sources is critical



Other Sources

1. Wood waste and industrial activities on the down-gradient Tembec property.
2. Unknown fill quality and historical industrial activities on the former CN rail bed,
3. Road salting along Usborne Street
 - Water quality already impacted on down-gradient property.
 - Other activities need to be considered when evaluating what impacts are the result of landfill operations.



Tembec / Gillies Brothers

- Lumber mill for over 100 years
- The properties located down-gradient of the AWDS foot print are observed to be covered in significant volumes of wood waste
- Lumber milling is an activity that is commonly known to cause soil and groundwater contamination
- Wood waste can contain high concentrations of TDS, alkalinity, DOC, iron, manganese, hardness, sodium, potassium, boron and barium.



Tembec Property Purchase

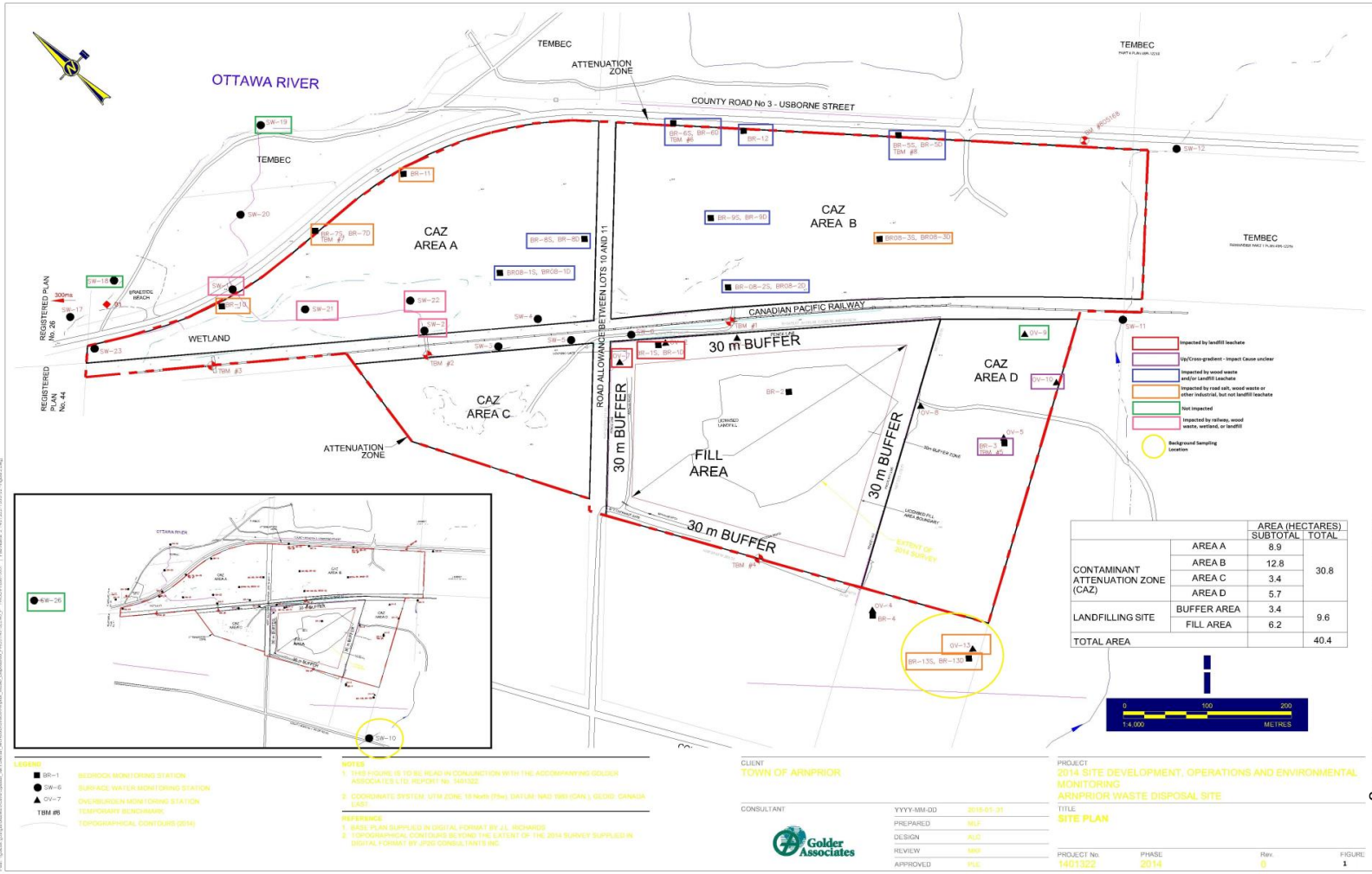
- The Town previously considered the purchase of the Tembec property to further extend the CAZ
- Due Diligence would have required a drilling investigation
- Tembec would not allow the results to be shared publically
- As the results of the investigation would be public record, the sale of the Tembec lands to the Town ultimately fell through.



Road Salting and Former CP Rail Line

- Road Salting along Usborne St.
- Former CP rail line runs along the north eastern edge of the CAZ
- Historically industrial activity on rail line
- Rail bed berm is constructed of an unknown quality of fill
- Contribute leachate indicator parameters to groundwater and surface water at landfill compliance sampling locations





PROJECT: 2014 SITE DEVELOPMENT, OPERATIONS AND ENVIRONMENTAL MONITORING ARNPRIOR WASTE DISPOSAL SITE
 CLIENT: TOWN OF ARNPRIOR
 PREPARED: 2014-01-21
 DESIGN: ALC
 REVIEW: 1990
 APPROVED: 016
 PROJECT No: 14011322 PHS# 2014 Rev: 0 FIGURE 1

Other Considerations

- Water quality in wetlands
 - Stagnant for long periods of time.
 - Low flow and evaporation in summer can increase concentrations
- No down-gradient groundwater users.
- McNab/Braeside zoning does not allow for groundwater to be used on the Tembec property.
- The area is protected by Township of McNab/Braeside Official Plan Policies 6.4 and 12.3 (2).



Other Considerations

- No health based parameters have been exceeded
- Locations where parameters have occasionally exceeded a standard or guideline were all aesthetic based objectives, meaning those set to limit taste and odour concerns.
- **Many years of sampling have shown that all parameters, both aesthetic and health based, are stable or decreasing at points of compliance.**



Ministry of Environment

- The Ministry of Environment reviews all monitoring work undertaken at the AWDS on an annual basis
- MOE letter states:

“The reviewer is in overall agreement with the landfill site Owner’s surface water impact assessment presented in the 2014 Site Development, Operations and Environmental Monitoring Report which assessed, based on the majority of water quality parameter concentrations for the collected surface water samples analyzed, that the water quality of the surface water regime including the tributaries and of the terminal receiving Ottawa River down-gradient of the Arnprior WDS did not show evidence of being adversely impacted by the Arnprior waste disposal site operations.”

“The reviewer is in agreement with the landfill site Owner’s application and assessment of the surface water trigger for the 2014 monitoring year which determined that contingency measures associated with surface water conditions are not required at this time.”



Summary

- Golder did not recommend the implementation of any contingency measures.
 - Supported by the MOE surface water reviewer.
- After all other sources of contamination are considered the concentration of leachate indicator parameters attributable to the AWDS at points of compliance are not of concern at this time.
 - Position supported by the MOE surface water reviewer.
- MOE has not requested any action from the Town at this time.



Questions?



• WHERE THE RIVERS MEET •