Appendix M
Record of Public Consultation

Yard Sale

Garage sale Saturday, October 6, 10 am - 4pm. [illegible] Doerksen. 5 miles south, 7 miles west from Glenella.

Personal

C•O•E Circulation • Oxygen Energy. Be pro-active regarding your health. The Chi Machine. 14 day money back guarantee! 7 year warranty. Registered as a Class 2 medical device. Call Chris Wadden 476-2845 for more information.

Help Wanted

Evergreen Environmental Technologies requires a general labourer at the land fill site. Some equipment experience necessary, valid driver's license, starting wage $10.50. Call 867-7161.

Help Wanted

Bay Hill Inns and Suites requires housekeeping & front desk personnel. Experience preferred. Call Mr. Sung 476-8888.

Full time meat cutters required. Must be willing to work abattoir duties, experience preferred but will train right person. Also clean up person for afternoon and Saturday shifts. Apply with resume and references to Garth at Jarvis Meats, Gladstone, MB. Ph. 204-385-2508.

Workers wanted. Wanted full time welder or metal fabricator. Must be self motivated. Experience preferred, but willing to train right individual. Benefit package and competitive wages. Position to commence immediately. Call Capsule Industries 743-2[illegible] for more information or fax resume to 743-2188.

The McCreary Centennial Arena is now accepting applications for the seasonal term position of full-time Arena Caretaker. Duties include but are not limited to: ice maintenance, janitorial duties, and ice plant operations as well as general building and ground maintenance. Submit resumes and all qualifications to: c/o Todd Buchanan, Box 15, McCreary, MB R0J 1B0. For more info call 835-2780 evenings. Application deadline is October 5, 2007.

[illegible]

is now accepting applications for permanent part time day positions for residential janitorial services. Will train right individual. To apply call 476-0117.

Business Opportunities

Improve your health and your wealth, get involved with an exciting company selling the Chi Machine C•O•E • Circulation • Oxygen • Energy. Call Chris Wadden 476-2845 for more information.

Do you love to DECOR[illegible] the latest trends? Would you like to get paid for something you love doing? September only - $[illegible] for over $500.00 of decorating items to start your own business. Louise Taylor, Home Interiors 1-306-[illegible]-4210.

Wanted

Wanted: seasoned firewood, [illegible]. Ph 476-2561.

WANTED: FARM LAND TO BUY OR RENT in Neepawa, Brookdale, Franklin or Eden area. Ph. 476-2865

For Sale

Pasture land: NW 1/4 30-13-15, 8 miles southwest of Neepawa. Cross fenced with dug outs. For more information phone/fax 204-476-2607.

Notice

Neepawa
Land of Plenty

PUBLIC NOTICE

All artificial flowers, solar lights and other decorations on grave lots at Riverside Cemetery must be removed, for the winter, by October 15, 2007. Thank you for your cooperation.

Garry Irving
Operations & Maintenance Director
Town of Neepawa

Public Notice
BOARD OF REVISION

Public Notice is hereby given that the 2008 assessment roll for the Rural Municipality of Lansdowne has been delivered to the Municipal Office in Arden, Manitoba and is open for public inspection during regular business hours. Applications for revision may be made in accordance with sections 42 & 43 of the Assessment Act.

APPLICATION FOR REVISION:

42 (1) A person in whose name property has been assessed, a mortgagee in possession of property under section 114(1) of The Real Property Act, an occupier of premises who is required under the terms of a lease to pay the taxes on the property, or the assessor may make application for the revision of an assessment roll with respect to:

a) Liability to taxation;
b) Amount of assessed value;
c) Classification of property; or
d) A refusal by an assessor to amend the assessment roll under subsection 13(2).

APPLICATION REQUIREMENTS

43 (1) An application for revision must:

a) be made in writing;
b) set out the roll number and legal description of the assessable property for which the revision is sought;
c) state the grounds on which the application is based; and
d) be filed by:
  i. delivering it or causing it to be delivered to the office indicated in the public notice given under subsection 41(2), or
  ii. serving it upon the secretary, **at least 15 days** before the scheduled sitting date of the Board as indicated in the public notice.

The Board of Revision will sit on **November 13th, 2007 at 9:30 a.m.** in the council chambers of the Rural Municipality of Lansdowne to hear applications.

The final date on which applications must be received by **the Secretary of the Board is October 29, 2007.**

Prior to filing a complaint against the liability to taxation, the amount of the assessed value, or classification of property, you are encouraged to discuss the matter with the Provincial Municipal Assessment Branch, Minnedosa, phone (204) 867-4700.

Dated this 26th day of September, 2007.

Carol Henderson
CAO
Board of Revision
Rural Municipality of Lansdowne
Box 141, Arden, Manitoba R0J 0B0

Notice

Neepawa
Land of Plenty

Open House for the Town of Neepawa Industrial Wastewater Treatment Facility

The Town of Neepawa is hosting an Open House for the proposed Industrial Wastewater Treatment Facility:

Location - Neepawa Public Library MPR
Thursday October 18, 2007
from 3 p.m. to 7 p.m.

The Open House is part of the public consultation process for the proposed Town of Neepawa Industrial Wastewater Treatment Facility upgrades.

Representatives from Earth Tech and the Town of Neepawa will be on hand to receive comments and answer questions as part of the project.

Personal

If you have problems with:

- Lack of exercise and bad circulation
- Tired and sore muscles
- Period Pains, anaemia
- Poor digestion, constipation
- Arthritis, back pain, bone spurs
- Nervousness, general pain and insomnia
- Asthma and tracheal inflammation
- Many chronic conditions

The Sun Ancon (Harmony) Oxygenating Massage and Far Infrared treatment are for you.

Lie down, relax and let it happen!

The Chi Machine and Hothouse.

"We would be most delighted to introduce you to the HTE Canada products and business opportunities."

The following Independent Distributors of HTE Canada [illegible]

Kathie Lobel	725-2477	klobel@mts.net
Val Radford	Neepawa	476-3292
Jeannette Stewart	638-8863	jeanbev@mts.net

For Sale

Oven ready farm raised chicken $1.[illegible]/lb, [illegible] turkeys $2.25/lbs, cutting and wrapping extra. Ph 476-2531 or 966-3221.

LUMBER FOR SALE. Discounted 2x6 10ft 2x6 $7.75, 10ft 2x6, $5.25, 2x8, 2x4, windboard. FIREWOOD (approx 1 cord) bundle $40. Tin-z Industries, "Your Local Sawmill" 476-0768 or 476-6349.

Miniature horses for sale. Ph 834-3330.

---

4 quarters in RM of McCreary. NE, SE, SW 1/4 5 of 22-21-14W, [illegible] rotational grazing, dugouts, hydro, [illegible] water systems, W 1/2 of 21-21-14W & SW 1/4 of 28-21-14W, fenced, dugout, creek, 200+ acres tame hay. Accepting offers. Gord 835-2005.

For sale gas hot water tank 3 years old 22.3 USG 114[illegible] like new $300. Ph 867-2973 or 867-3406.

For all your tickets, posters and printing needs - call The Banner. 9 a.m. to 5 p.m. open over noon. Neepawa 476-3401. Toll Free 1-888-436-4242.

Treadmill Proform LX 660, used 3 mths, paid $1300 asking $850. Little Swan Orchestra 12" tip a/c [illegible] used once paid $200 asking $100. Delta band saw on stand, Mannequins $125 each. Kitchen Classic vegetable & fruit juicer paid $400 asking $250. Phone Lynn 867-2594.

Help Wanted

Yellowhead Physiotherapy
is seeking an individual to fill the position of
Physiotherapy Aide/Receptionist

The position is an indefinite term position, approx .75.

The successful candidate should possess:
- Excellent communication skills with the ability to provide patient care/customer service.
- Strong knowledge of computer applications
- Previous experience in a medical environment, medical terminology, and transcription

Deadline for applications October 5, 2007

Please forward your resume to:

Physio First
1129 - 19th Street
Brandon, MB R7B 3W2
Fax: (204) 728-3489
phys1st@mts.net

MORRIS
[illegible]

EMPLOYMENT OPPORTUNITY!!

MORRIS INDUSTRIES LTD.
delivers practical, simple, easy to use farming solutions world-wide.
We are accepting applications for

ALL SHOP POSITIONS

These positions are based in the **Minnedosa, MB** manufacturing facilities. Experience in production manufacturing is an asset!

MORRIS INDUSTRIES LTD. offers a competitive salary, benefits and an exceptional pension plan.

Inquire about these positions today!

Interested applicants are asked to apply via:

MAIL: **# 284 – 6th Avenue North West**
Minnedosa, MB
R0J 1E0
FAX: **(204) 867-2678**
EMAIL: **asandstrom@morris-industries.com**

Please state your position preference when applying.

We appreciate the interest by all applicants, however only those considered for an interview will be contacted.

Help Wanted

NFC

Neepawa Furniture Centre

is looking for a Part Time
Clerical / Reception Person
with various duties related to a retail operation
Apply at Neepawa Furniture Centre
396 Mountain Avenue

Rural Municipality of Lawrence #143
Chief Administrative Officer

Due to the retirement of our current Administrator, The Rural Municipality of Lawrence is seeking applicants for the position of Chief Administrative Officer.

The Chief Administrative Officer would report to Council and would be responsible for the administration, supervision and co-ordination of all staff, policies, plans and programs approved by Council.

The successful applicant must possess:
- strong management, analytical and communication skills
- the ability to interpret and administer agreements, statutes and by-laws
- a sound understanding of municipal accounting, financing and budget preparation
- a sound understanding of the subdivision process, development agreements and zoning by-laws
- proven knowledge of the Municipal Act and Planning Act
- computer experience with Munisoft software

Graduation from or enrollment in the University of Manitoba Certificate Program for Municipal Administrators and at least 2 years experience as a Chief Administrative Officer (preferred); however, an equivalent combination of training, education, skills and experience will be considered.

We offer an excellent benefits package and salary is negotiable depending on experience and education. Interested candidates are invited to submit a written application and a detailed, typed resume with a minimum of three references by October 26, 2007 to:

Rural Municipality of Lawrence
Attn: CAO Application
Box 220, 714 Main Street
Rorketon, MB R0L 1R0
Email: rmlaw@inetlink.ca

We thank all applicants who apply but wish to advise that only those applicants selected for an interview will be contacted.

PRODUCTION EMPLOYEES

Springhill Farms is now accepting applications for Full and Part Time positions.

Starting wage $11.10 per hour. Potential of $18.35 per hour.
Bonus opportunities and an excellent benefit package.

Duties may include: industrial meat cutting, sanitation, loading carcasses, and other tasks related to meat processing.

Qualifications:
- Good general health
- Hardworking
- Reliable transportation
- Team player
- Ability to work under time restraints
- Willingness to learn new tasks

Possible Shift Start Times

2:00 a.m.	7:00 a.m.
6:30 a.m.	4:30 p.m.

SPRINGHILL FARMS

Applications available at Springhill Farms Office
Phone: (204) 476-3393 ext. 124 Fax: (204) 476-3791
Email: denise@springhillfarms.ca
Mail: Box 10,000, Neepawa, MB R0J 1H0

Neepawa

Land of Plenty

EarthTech

A tyco International Ltd. Company

Neepawa Industrial Wastewater Treatment Facility Upgrade

Open House

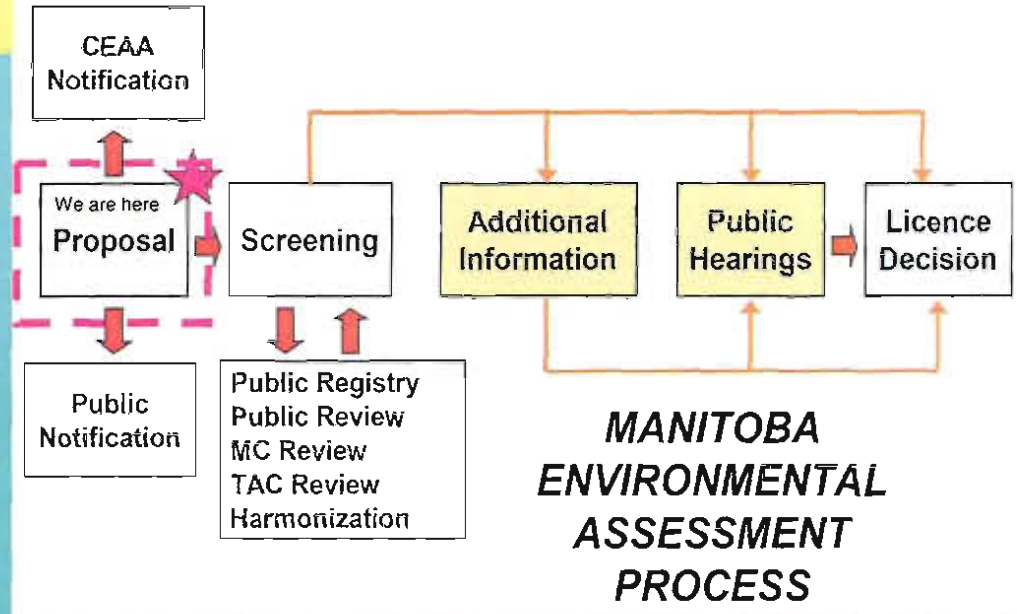
October 18, 2007

Purpose of the Open House

- Public Consultation is an important step in the Environmental Assessment process
- Present information on the Neepawa Industrial Wastewater Treatment Facility
- Gather information on related concerns

Environmental Assessment Process

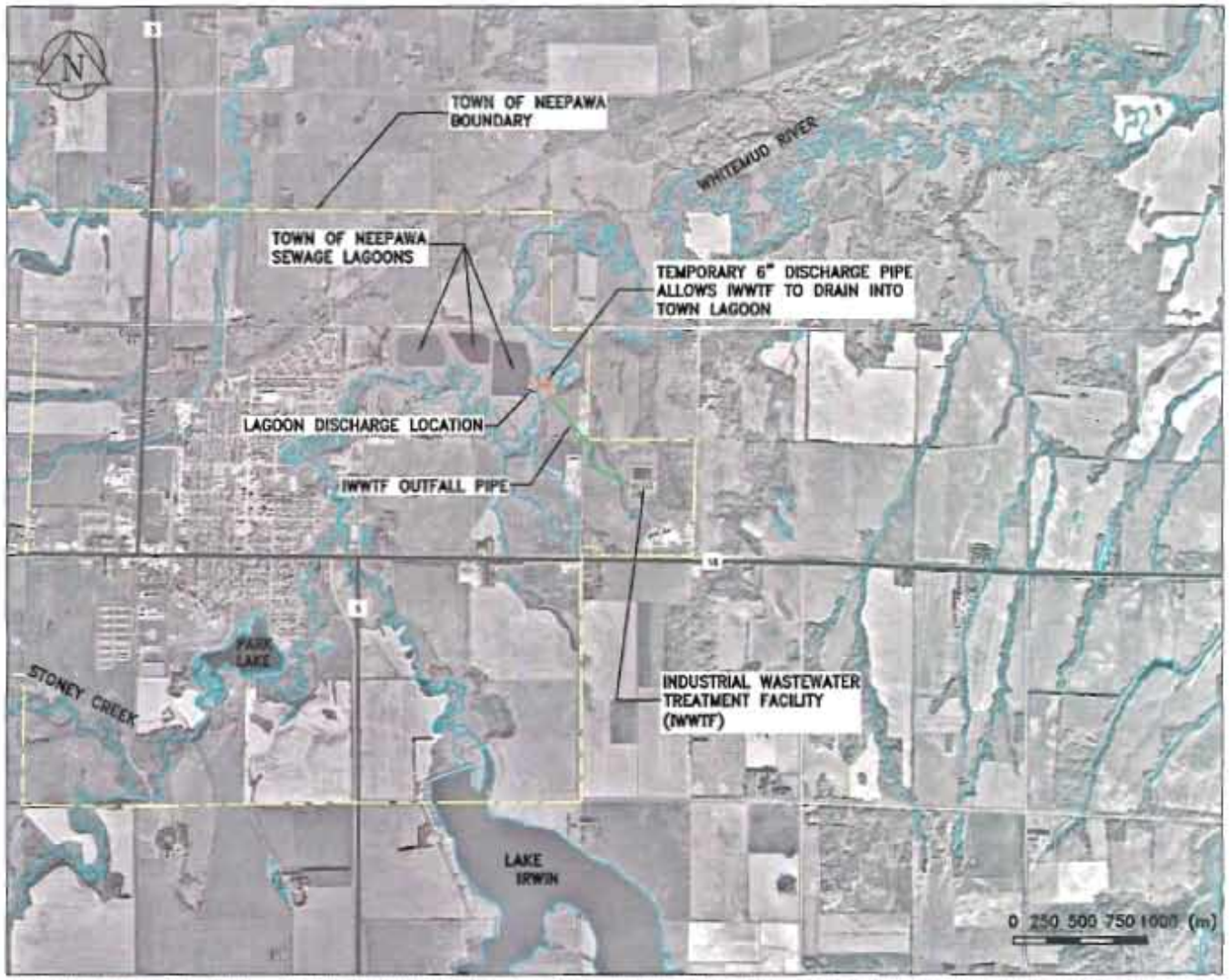
- Earth Tech is currently conducting their Environmental Assessment
- Project considered a major alteration, which results in the placement of the Environmental Assessment on the Public Registry for comments



MANITOBA ENVIRONMENTAL ASSESSMENT PROCESS

- Depending on the government and public review, either more information will be requested, Clean Environment Commission (CEC) hearings will take place, or the Minister of Conservation will issue or refuse a license
- Following the Minister's decision, there is a 30 day appeal period

Site Location



Neepawa
land of Plenty

Purpose for the Upgrade

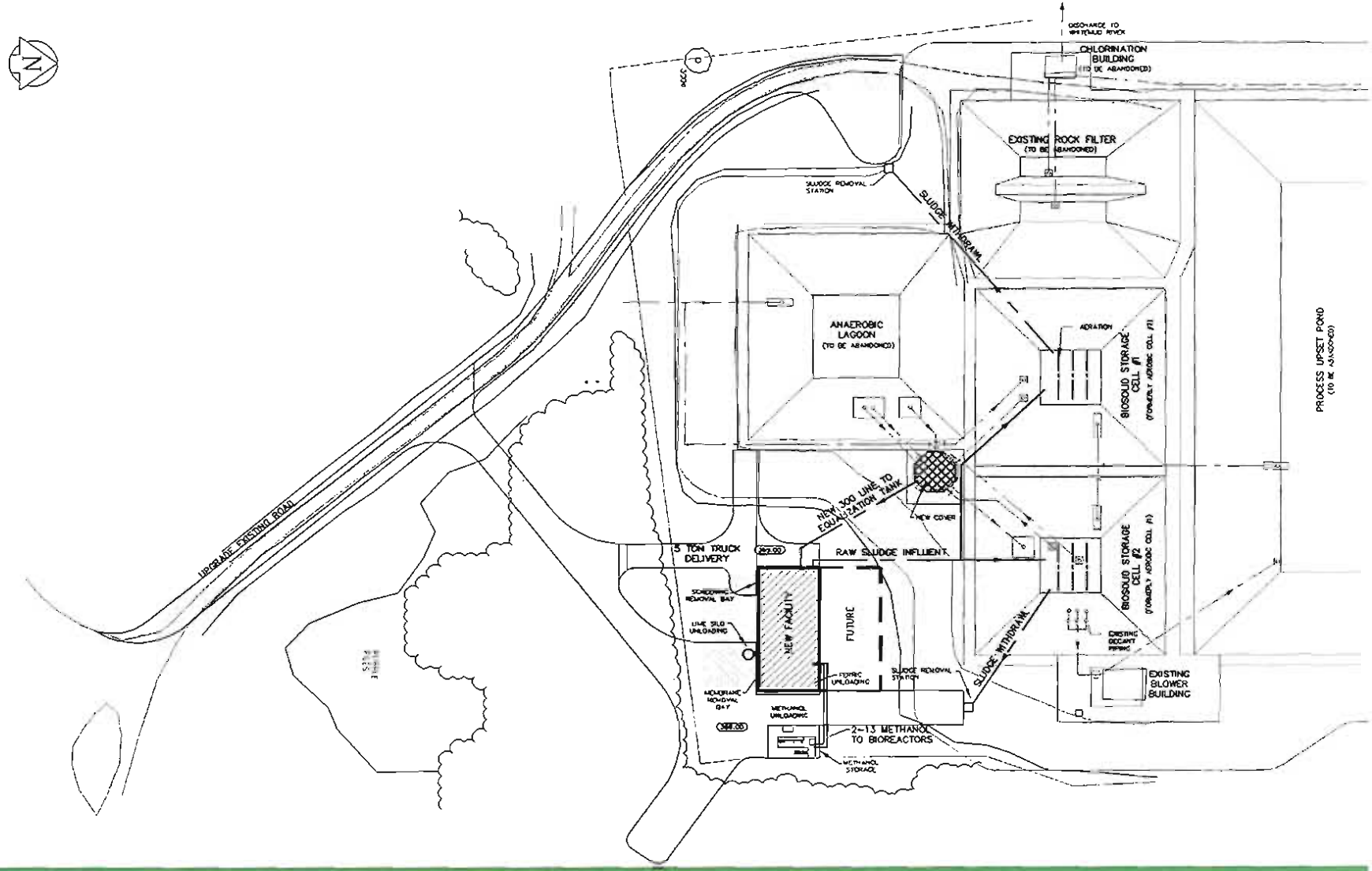
EarthTech
A tyco International Ltd. Company

- Existing IWWTF infrastructure is aging
  - Unable to meet current licence requirements
- Currently operating with the use of the municipal lagoons
- Improve quality of effluent discharged to the Whitemud River
- Reduces input to municipal lagoons and allows for future municipal growth
- Potential for future expansion of the IWWTF for additional industry

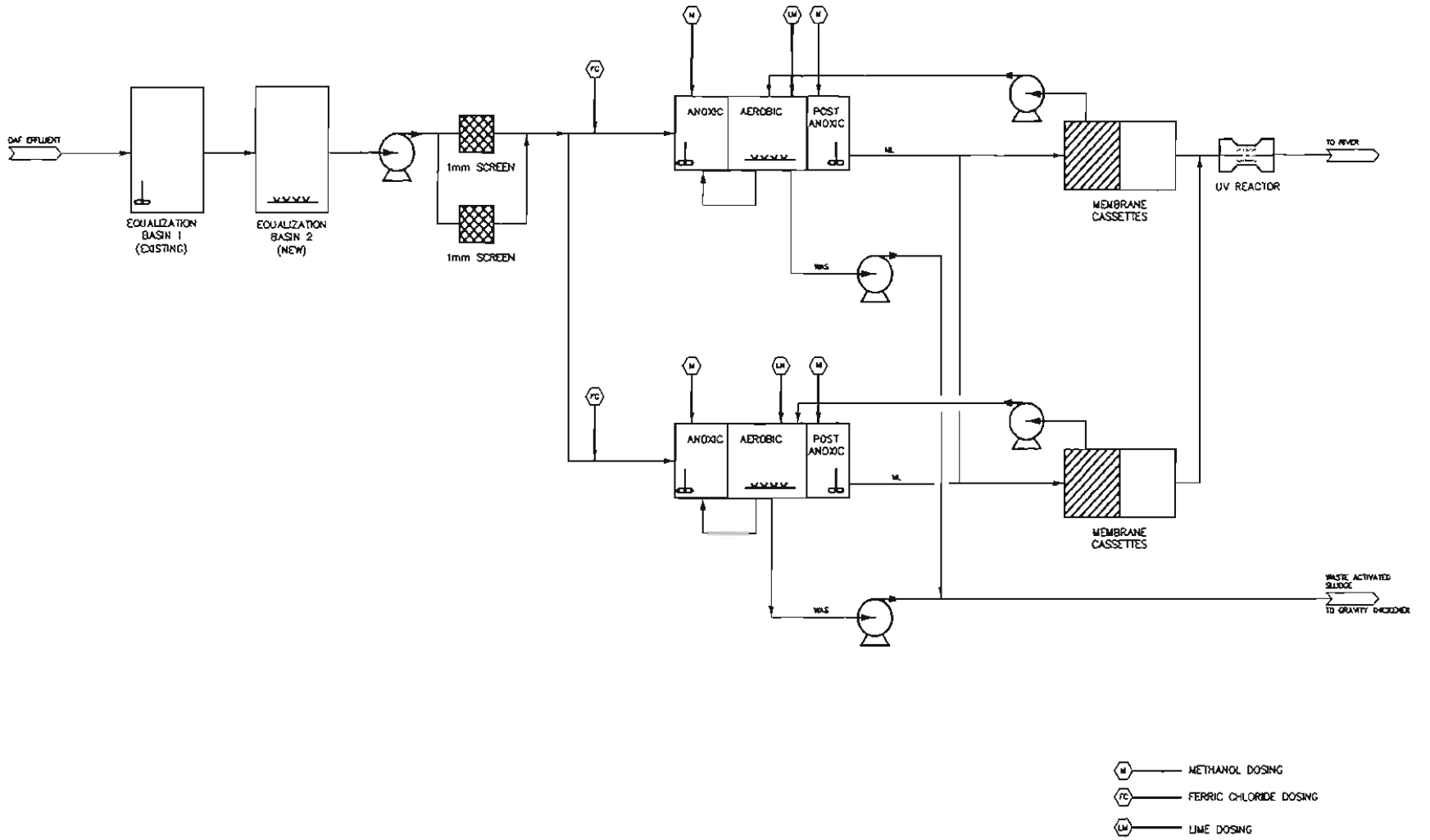
Existing Licence

- Current licence CEC order 1103VC dated July 25, 1987
- Current contributor Springhill Farms
  - 4,000 hogs/day
  - current agreement allows up to approximately 1,500 m^3/day

IWWTF Plan View



IWWTF Process Flow Diagram



Neepawa

IWWTF Process Upgrades

EarthTech
A tyco International Ltd. Company

- Nutrients in effluent will be reduced to
  - 15 mg/L total nitrogen
  - 1 mg/L total phosphorus
- Added UV disinfection
  - Increased microbial removal
  - Disinfection without the use of chlorine
- Enclosed building for improved treatment
  - Keep system warmer
  - Provides more consistent removal rates
- Land application of sludge
- Construction
  - Proposed start – Spring/Summer 2008
  - Proposed end – Summer 2009
- IWWTF in operation
  - Proposed for Fall 2009

Environmental Assessment Components

- An Environmental Assessment assesses the impacts on environmental components, including:
  - Flora / Fauna
  - Archaeology
  - Water Quality
    - Groundwater
    - Surface Water
  - Aquatic Resources

Aquatic Resources Assessment

- What has been done
  - Whitemud River orientation from Lake Irwin outlet to Arden
  - Habitat characterization and assessment
  - Water chemistry
  - Fish presence study
  - Benthic survey
  - Assessment of passage blockages downstream of IWWTF
- What is to come
  - Further work to identify critical seasonal habitats
  - Cross sectional survey of Whitemud River

Offstream wetland used by various species for spawning

Fish spawning tributary 20 km downstream from IWWTF

Next Steps

- Incorporation of Public Input
- Start of the IWWTF Detailed Design in early 2008
- Second Open House
  - Proposed for December 2007
- Submit completed application to Manitoba Conservation
  - Proposed for March 2008

Neepawa
Land of Plenty

Questions and Comments

EarthTech
A tyco International Ltd. Company

- The project team wants to hear from you
- Please take the time to complete a questionnaire and submit any comments on the forms provided
- Presentation and questionnaire are also available at:

www.neepawa.ca

PROPOSED TOWN OF NEEPAWA IWWTF UPGRADE
ENVIRONMENTAL ASSESSMENT OPEN HOUSE

October 18, 2007

QUESTIONNAIRE FOR ATTENDEES
(Personal and Other Questions are Optional)
Feel Free to Give Us Your Comments Without Your Name or Address

Name: _____ Phone Number: _____

Address: _____

e-mail _____

Location: (Relative to IWWTF) _____
_____

1) Do you have any concerns about the proposed Town of Neepawa IWWTF Upgrade?
☐ Yes ☐ No
If so, what are your concerns?

_____
_____
_____
_____
_____
_____
_____

2) Would you like someone from Earth Tech (Canada) Inc. to contact you?
☐ Yes ☐ No
If so, please leave contact information

_____
_____
_____

3) Did you find this Open House useful?
☐ Yes ☐ No

4) Please indicate how the Open House could be more helpful to you, and let us know if there is a better method of informing you.

OTHER COMMENTS? Use the space below for other concerns or if you have questions that were not addressed at the Open House.

Neepawa

Land of Plenty

Open House for the Town of Neepawa Industrial Wastewater Treatment Facility

The Town of Neepawa is hosting an Open House for the proposed Industrial Wastewater Treatment Facility:

Location - Neepawa Public Library - MAIN

Tuesday, December 18, 2007

From 4:00 p.m. to 7:00 p.m.

The open house is part of the public consultation process for the proposed Town of Neepawa Industrial Wastewater Treatment Facility upgrades. Representatives from Earth Tech and the Town of Neepawa will be on hand to receive comments and answer questions as part of the project.

Neepawa

Land of Plenty

EarthTech

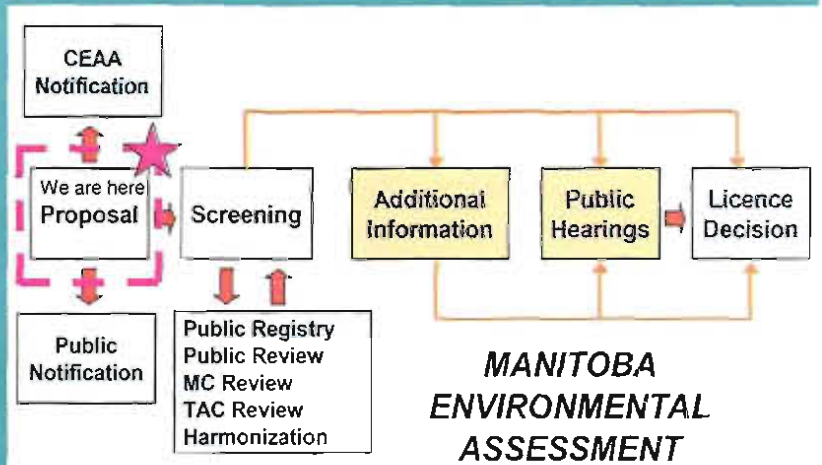
A tyco International Ltd. Company

Neepawa Industrial Wastewater Treatment Facility Upgrade

Open House #2 December 18, 2007

Purpose of the Open House

- Public Consultation is an important step in the Environmental Assessment process
- Minimal questions from the public at Open House #1
- Present information on the Neepawa Industrial Wastewater Treatment Facility and Environmental Assessment
- Gather information on related concerns



MANITOBA ENVIRONMENTAL ASSESSMENT PROCESS

Purpose for the Upgrade

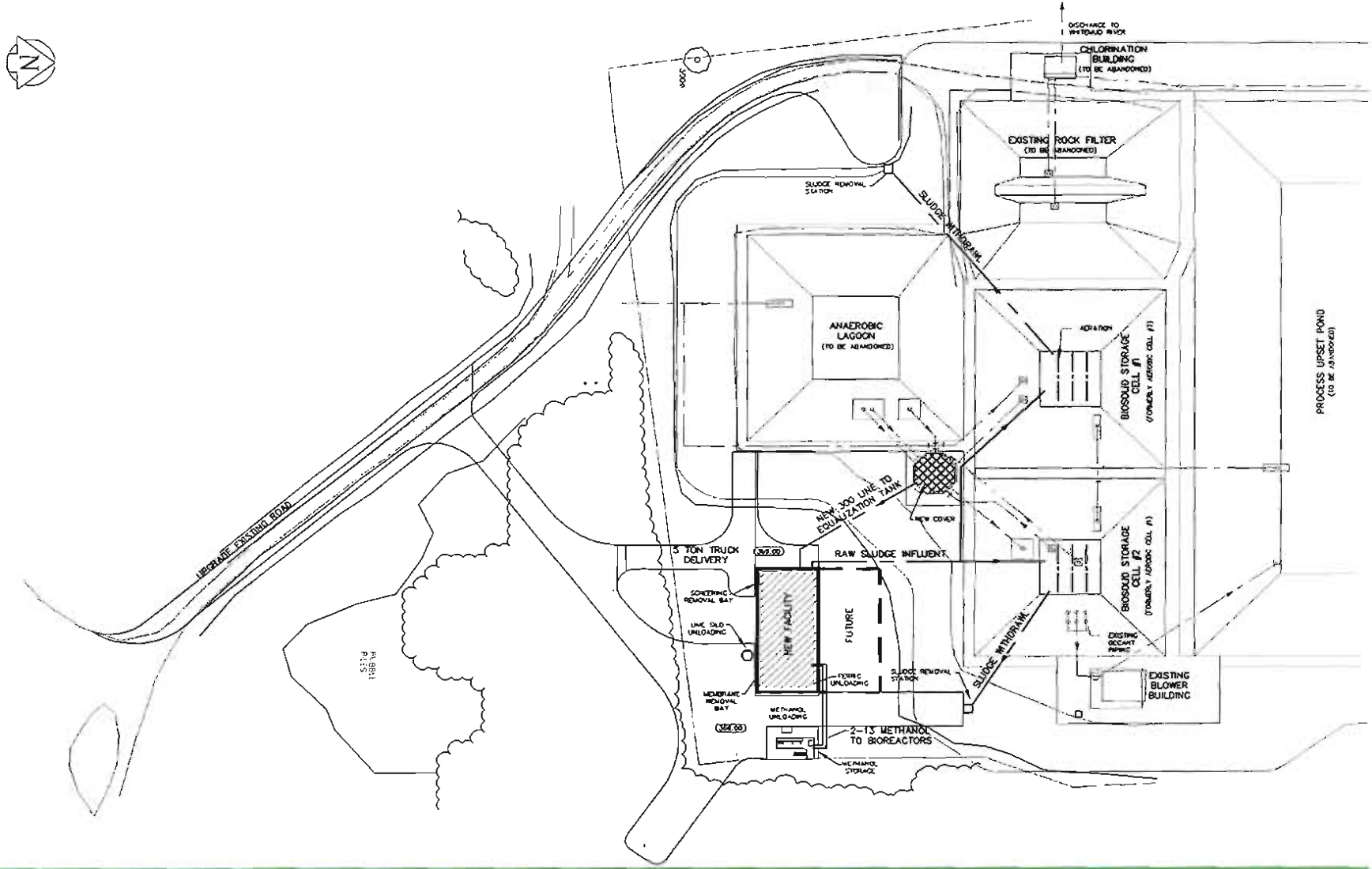
- Existing IWWTF infrastructure is aging
  - Unable to meet current licence requirements
- Currently operating with the use of the municipal lagoons
- Improve quality of effluent discharged to the Whitemud River
- Reduces input to municipal lagoons and allows for future municipal growth
- Potential for future expansion of the IWWTF for additional industry

Site Location

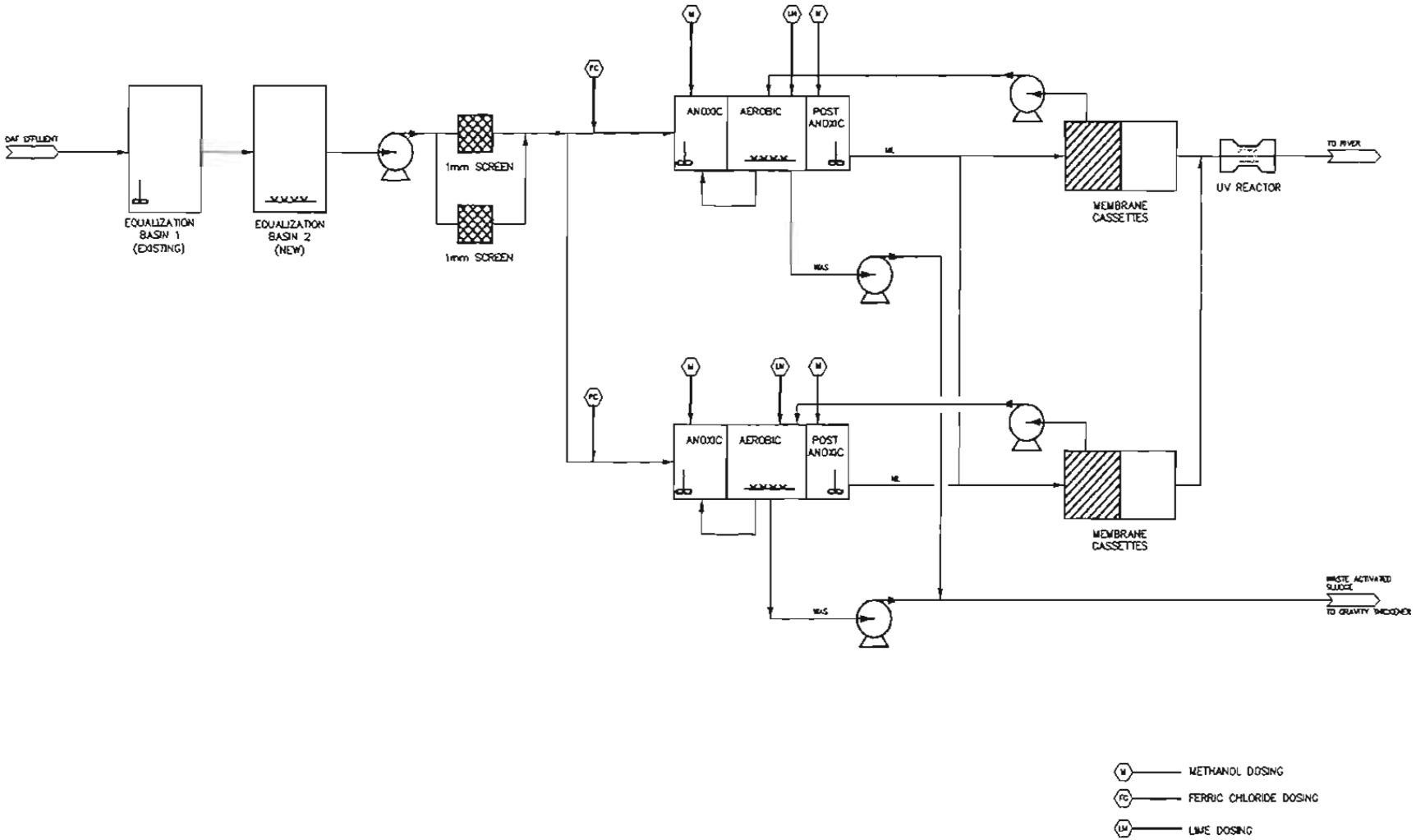




IWWTF Plan View



IWWTF Process Flow Diagram



Neepawa
Land of Plenty

Biosolids Application Program

EarthTech
A tyco International Ltd. Company

- The land application of biosolids will be detailed in the IWWTF's Environmental Licence
- Agronomic nitrogen and phosphorus consumption rates will factor into the biosolids application rate
- Stabilized sludge (biosolids) for land application:
  - 180 tonnes dry solids generated per year
  - approximately 18 hectares of suitable land would be required yearly
- Based on Canadian Land Inventory agriculture capability classification, there is >80,000 ha of land within 30 km of the IWWTF site, suitable for land application

Image source: University of Nebraska Institute of Agriculture and Natural Resources Cooperative Extension

Image source: Michigan Department of Environmental Quality

Neepawa

IWWTF Process Upgrades

EarthTech
A tyco International Ltd. Company

- Nutrients in effluent will be reduced to
  - 15 mg/L total nitrogen
  - 1 mg/L total phosphorus
- Added UV disinfection
  - Increased microbial removal
  - Disinfection without the use of chlorine
- Enclosed building for improved treatment
  - Keep system warmer
  - Provides more consistent removal rates
- Land application of sludge
- Construction
  - Proposed start – Spring/Summer 2008
  - Proposed end – Summer 2009
- IWWTF in operation
  - Proposed for Fall 2009

Terrestrial Environment and Historical Resources Assessment

- Flora/Fauna – based on regional scale distribution mapping and typical species habitat, five species at risk could be found in the project area
- Terrestrial survey will occur prior to construction to determine mitigation measures if these species are present
- Proposed changes to occur in and around a previously disturbed area
- Existing infrastructure will be re-used – minimizing the disturbed area footprint

No significant impacts to flora/fauna are anticipated

Small White Lady's-slipper
Image source: Environment Canada Species at Risk Fact Sheet

Loggerhead Shrike
Image source: Nature Canada

- Archaeology – Historic Resources Branch of Government of Manitoba has reviewed location of proposed upgrades
  - Their records indicate that the potential for impact to heritage resources in this area is low

No significant impacts to heritage resources are anticipated

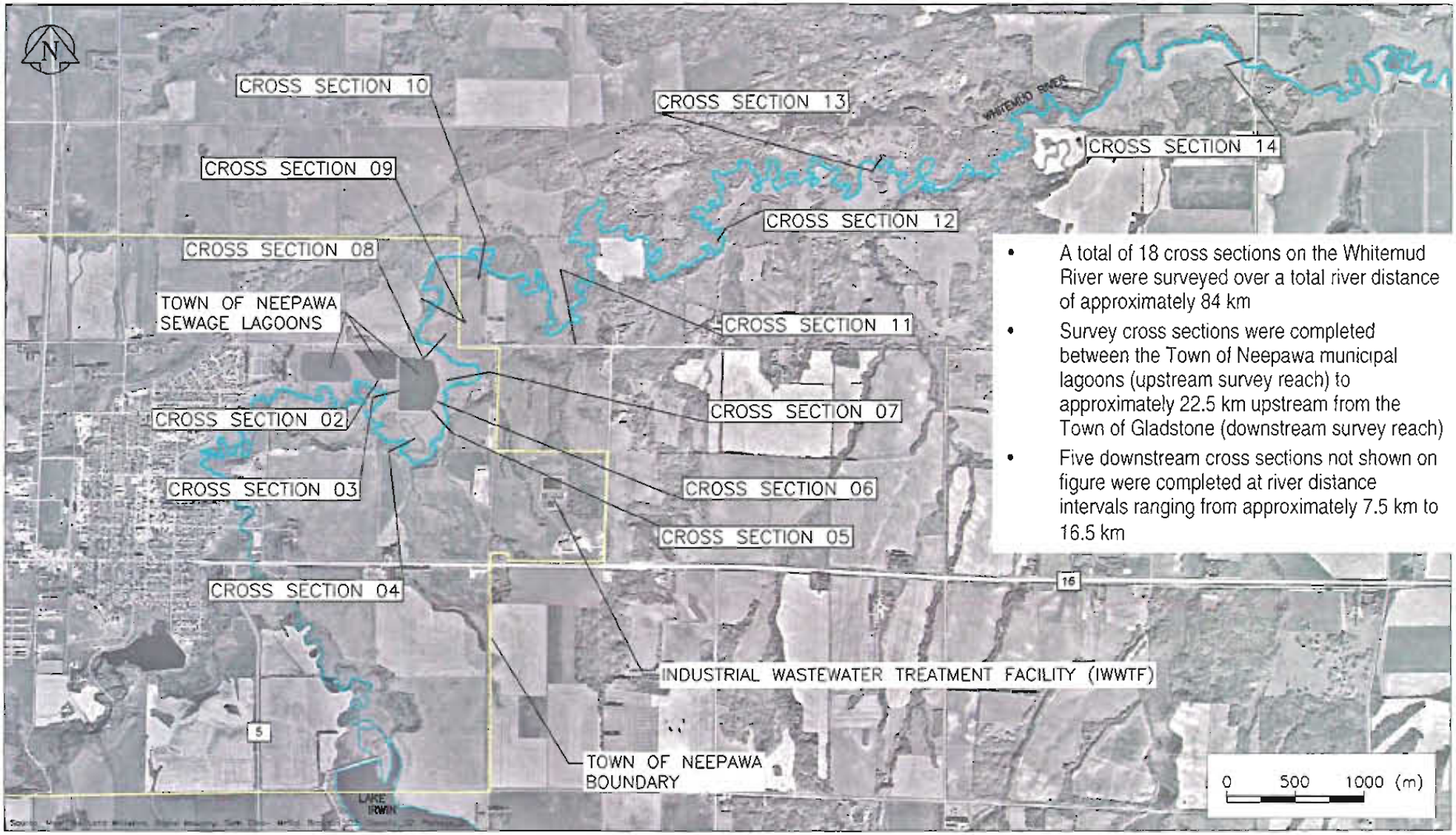
Aquatic Communities and Habitat

- Whitemud River classified as a highly meandering river
- In some areas small riffles, cut-offs and oxbows have developed which provide good aquatic habitat
- Water depth in main channel is variable ranging from a few centimeters to > 2 m
- In stream vegetation ranges from none to extensive and depends on bottom substrate and flow conditions
- Fish surveys indicate presence of (among others):
  - northern pike
  - fathead minnows
  - white suckers
  - emerald shiners

Offstream wetland used by various species for spawning

Fish spawning tributary 20 km downstream from IWWTF

Whitemud River Cross Section Survey

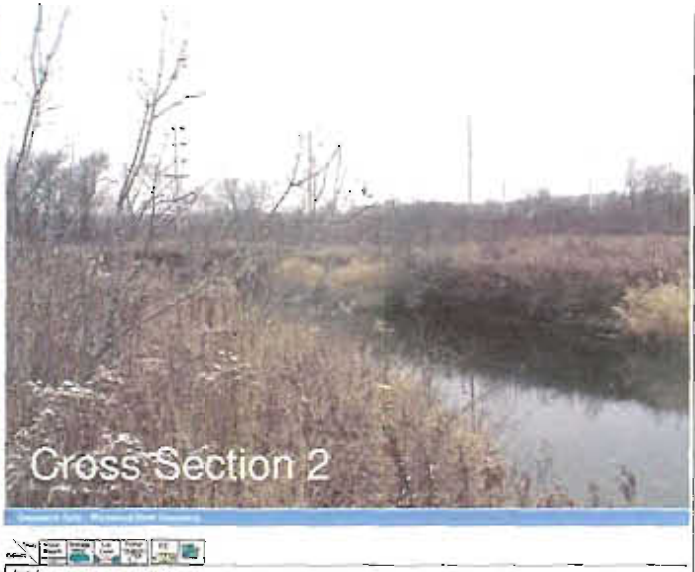


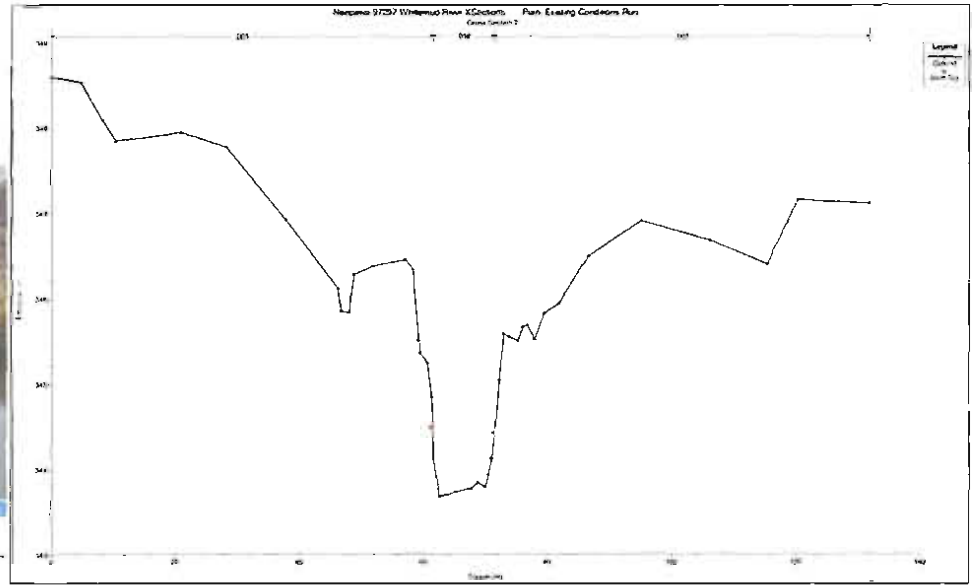
- A total of 18 cross sections on the Whitemud River were surveyed over a total river distance of approximately 84 km
- Survey cross sections were completed between the Town of Neepawa municipal lagoons (upstream survey reach) to approximately 22.5 km upstream from the Town of Gladstone (downstream survey reach)
- Five downstream cross sections not shown on figure were completed at river distance intervals ranging from approximately 7.5 km to 16.5 km

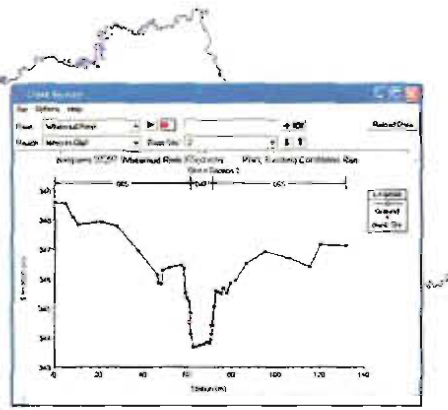
Whitemud River Hydraulic Model

Neepawa
Land of Plenty

EarthTech
A tyco International Ltd. Company







Aquatics Assessment

- Estimated **mean** annual flow at effluent discharge location **1.32 m^3/s**
- Estimated **high** annual flow at effluent discharge location **5.24 m^3/s**
- Estimated **low** annual flow at effluent discharge location **0.198 m^3/s**

- IWWTF designed to discharge on a 24/7 basis 0.0064 m^3/s
  - IWWTF flow = **0.49%** of Whitemud flow in **mean** flow conditions
  - IWWTF flow = **0.12%** of Whitemud flow in **high** flow conditions
  - IWWTF flow = **3.23%** of Whitemud flow in **low** flow conditions

- Whitemud River has elevated background nutrient levels due to anthropogenic sources
- IWWTF effluent discharged to Whitemud River is not expected to make a significant change to the overall loads in the river although will be an improvement to the current condition
- Plume dispersion modeling currently underway
- Dispersion modeling will examine potential cumulative effects of municipal and IWWTF discharges

Next Steps

- Start of the IWWTF Detailed Design in early 2008
- Finalize environmental assessment of IWWTF
- Submit completed application to Manitoba Conservation
  - Proposed for March 2008

Questions and Comments

- The project team wants to hear from you
- Please take the time to complete a questionnaire and submit any comments on the forms provided
- Presentation and questionnaire are also available at:

www.neepawa.ca

PROPOSED TOWN OF NEEPAWA IWWTF UPGRADE
ENVIRONMENTAL ASSESSMENT OPEN HOUSE #2

December 18, 2007

QUESTIONNAIRE FOR ATTENDEES
(Personal and Other Questions are Optional)
Feel Free to Give Us Your Comments Without Your Name or Address

Name: _____ Phone Number: _____

Address: _____

e-mail _____

Location: (Relative to IWWTF)_____

_____

1) Did you attend the October 18, 2007 Open House?
☐ Yes ☐ No

2) Do you have any concerns about the proposed Town of Neepawa IWWTF Upgrade?
☐ Yes ☐ No
If so, what are your concerns?

_____
_____
_____
_____
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_____

3) Would you like someone from Earth Tech (Canada) Inc. to contact you?
☐ Yes ☐ No
If so, please leave contact information

_____
_____
_____

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☐ Yes ☐ No

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PUBLIC NOTICE

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The Town of Neepawa is hosting an Open House for the proposed Industrial Wastewater Treatment Facility:

Location - Neepawa Public Library MPR
Tuesday, April 15, 2008
From 4:00 p.m. to 7:00 p.m.

The open house is part of the public consultation process for the proposed Town of Neepawa Industrial Wastewater Treatment Facility upgrades. Representatives from Earth Tech, Pharmer Engineering, Springhill and the Town of Neepawa will be on hand to receive comments and answer questions as part of the project.

Town of Neepawa
Box 339, Neepawa, MB
(204) 476-7600

Neepawa
Land of Plenty

Fundraising committee sets new target

By Brian Bailey
Chair, PCH fundraising committee

The -30 degree weather has come and gone but it certainly has not hampered the progress on our new Personal Care

hope to reach the one million dollar mark before the end of our campaign. Along with the regular open line for

published music of three special songs composed by Remi especially for the residents of East View Lodge. On March 13th a mixed community choir, including several EVL resi-

bar may be designated to the special number (9022) that has been obtained by Country Meadows. This is yet another effective way to donate to the cause and, hopefully, it will

The Assiniboine Health Authority has identified specific it will require special What better way to impact on Country M that to put your dona wards the cost of electr shower lifts, blanket

Silver Spurs member. Also the Silver Spurs is set for Sunday June 15th. The riding meetings will start on May 1st at the fairgrounds – continuing every Thursday. The last book meeting is on Wednesday, April 16th 2008.

PUBLIC NOTICE

Open House for the Town of Neepawa Industrial Wastewater Treatment Facility

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Tuesday, April 15, 2008
From 4:00 p.m. to 7:00 p.m.

The open house is part of the public consultation process for the proposed Town of Neepawa Industrial Wastewater Treatment Facility upgrades. Representatives from Earth Tech, Pharmer Engineering, Springhill and the Town of Neepawa will be on hand to receive comments and answer questions as part of the project.

Town of Neepawa
Box 339, Neepawa, MB

Neepawa

Neepawa

Land of Plenty

EarthTech

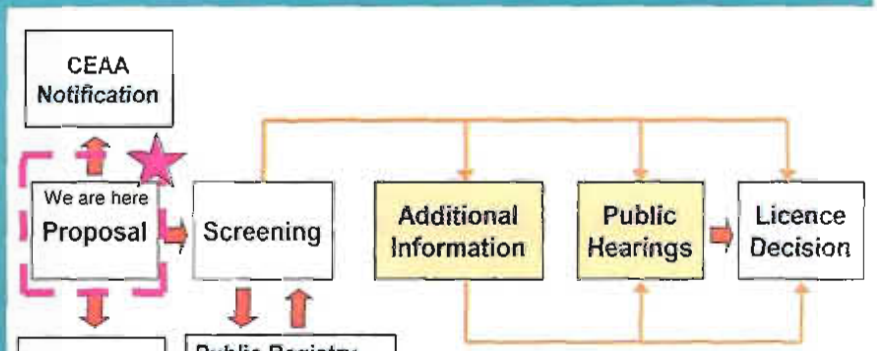
A tyco International Ltd. Company

Neepawa Industrial Wastewater Treatment Facility Upgrade

Open House #3 April 15, 2008

Purpose of the Open House

- Public Consultation is an important step in the Environmental Assessment process
- Minimal questions from the public at Open House #1 and #2
- Introduce new owners of Springhill Farms
- Present information on the Neepawa Industrial Wastewater Treatment Facility
- Inform public on environmental assessment findings



MANITOBA ENVIRONMENTAL ASSESSMENT PROCESS

Neepawa
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Purpose for the Upgrade

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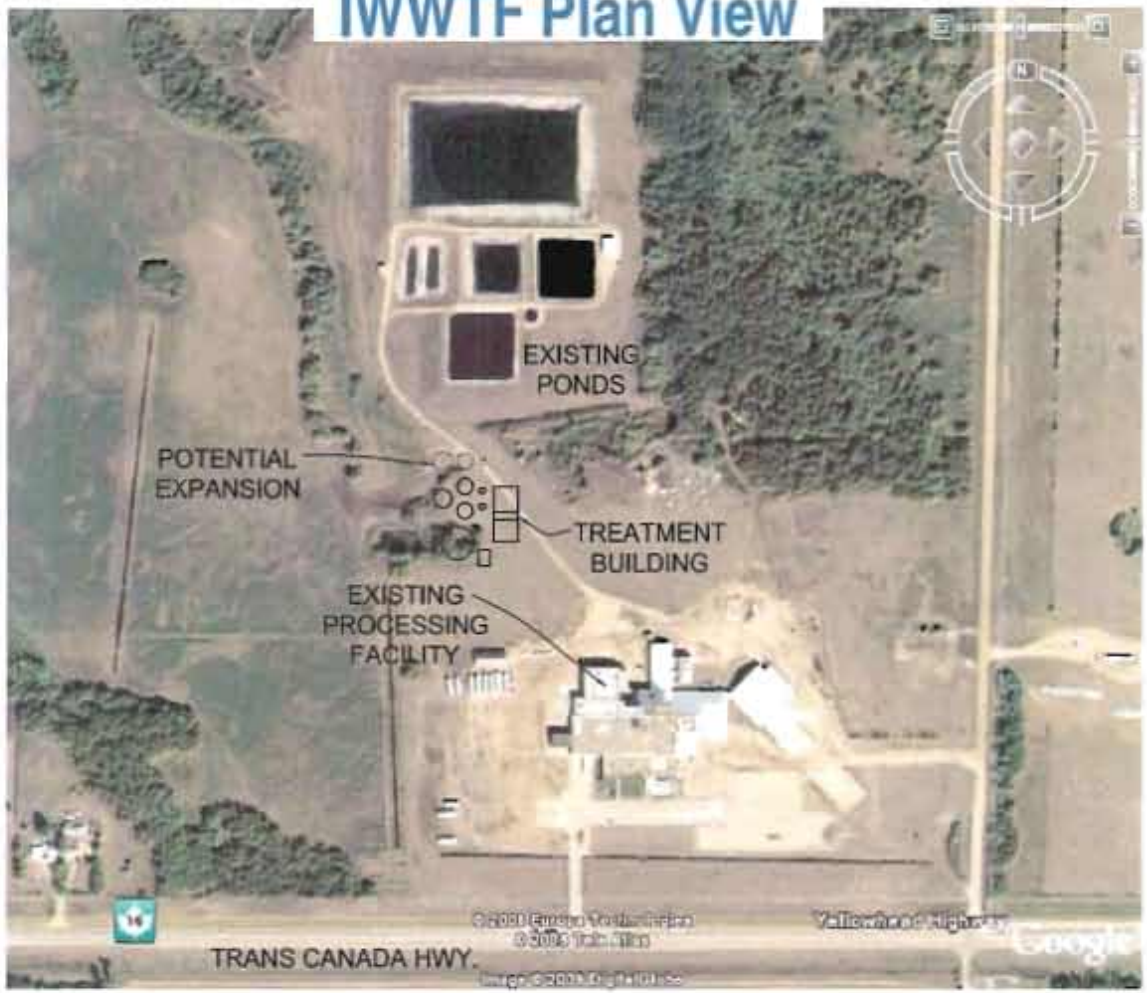
- Existing IWWTF infrastructure is aging
  - Unable to meet current licence requirements
- Currently operating with the use of the municipal lagoons
- Improve quality of effluent discharged to the Whitemud River
- Reduces input to municipal lagoons and allows for future municipal growth
- Expandable facility for future growth options

Summary of Changes from Open House #2

Item	Previous Design	New Design
Flow	Equalized flow of 550 m^3/day	Equalized flow of 1,520 m^3/day
Location	Plant adjacent to existing lagoons	Plant located to south of lagoons
Pre-treatment	Only process wastewater sent to DAF DAF effluent combined with sanitary, holding facility and truck wash wastewater then pumped to flow attenuation	All wastewater streams are screened then sent to flow attenuation then DAF
Pre-treatment	No changes to pre-treatment at Springhill Farms Facility	Chemical dosing (polymer) to DAF at Springhill Farms Facility
Treatment Tanks	Concrete tanks in lower level of treatment plant building	Aboveground steel tanks located outside
Carbon Source	Methanol used as carbon source stored in outdoor tanks	Sugar or similar carbon source used as carbon source - stored indoors

Site Location

IWWTF Plan View



PLAN

PRELIMINARY
DO NOT USE FOR CONSTRUCTION

PHARMER ENGINEERING

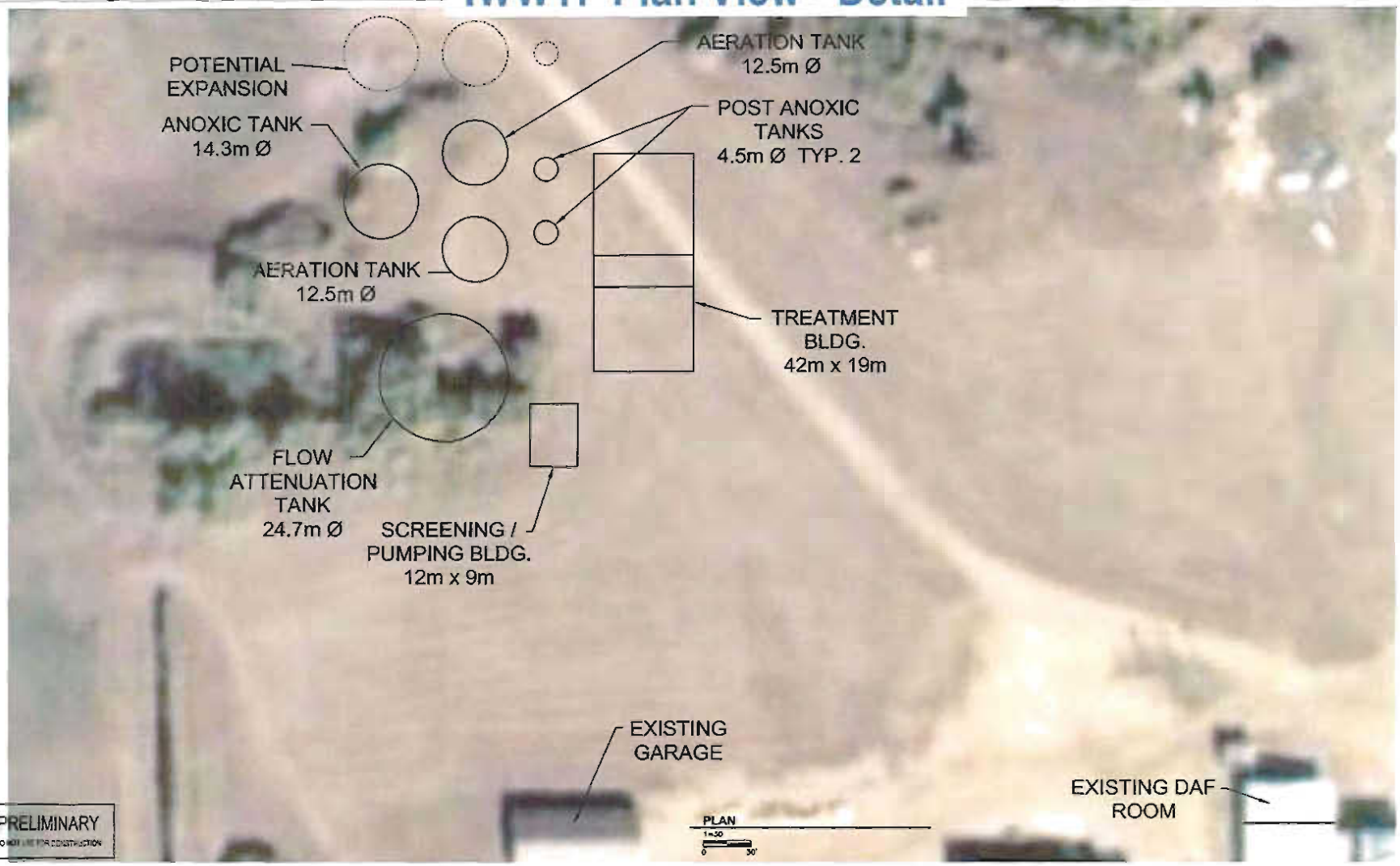
Spring Hill Farms
Industrial Wastewater Treatment Facility
Neepawa, Manitoba
FACILITY LOCATION PLAN

April 2008
10211

C1.0

PRELIMINARY - NOT FOR CONSTRUCTION

IWWTF Plan View - Detail



REV NUM	DESCRIPTION	DRWN BY	CHKD BY	DATE

ATTENTION:

PHARMER ENGINEERING

DESIGN	DSH
DRAWN	TMS
CHECKED	XXX
APPROVED	XXX
PROJECT DATE	April 2008
PROJECT NO.	10211
SCALE	AS NOTED

Spring Hill Farms
Industrial Wastewater Treatment Facility

Neepawa, Manitoba

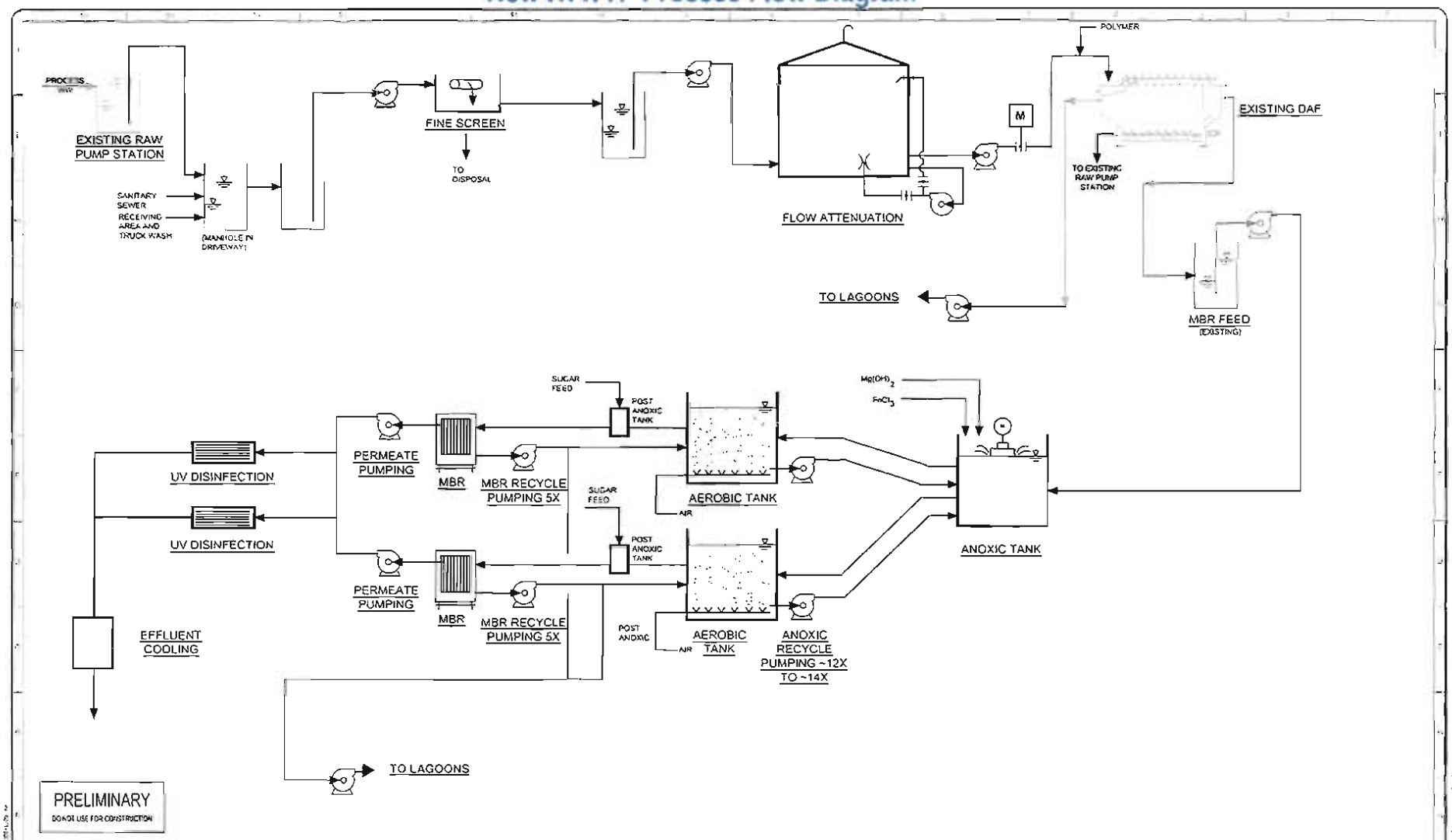
SITE PLAN

DRAWING NUMBER: C2.0

REV: B

PRELIMINARY - NOT FOR CONSTRUCTION

New IWWTF Process Flow Diagram



REV NUM	DESCRIPTION	DRWN BY	CHKD BY	DATE

ATTENTION

PHARMER ENGINEERING

DESIGNED:	RDA
DRAWN:	JRH
CHECKED:	XXX
APPROVED:	XXX
PROJECT DATE:	April 2008
PROJECT NO.	10211
SCALE:	N/A

Spring Hill Farms
Industrial Wastewater Treatment Facility
Neepawa, Manitoba
PROCESS FLOW DIAGRAM

DRAWING NUMBER
N0.0
REV B

PRELIMINARY - NOT FOR CONSTRUCTION

Neepawa
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IWWTF Process Upgrades

EarthTech
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- Nutrients in effluent will be reduced to
  - 15 mg/L total nitrogen
  - 1 mg/L total phosphorus
- Added UV disinfection
  - Increased microbial removal
  - Disinfection without the use of chlorine
- Land application of sludge
- Construction
  - Proposed start – Fall 2008
  - Proposed end – Fall 2009
- IWWTF in operation
  - Proposed for Fall 2009

Neepawa
Land of Plenty

Biosolids Application Program

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A tyco International Ltd. Company

- The land application of biosolids will be detailed in the IWWTF's *Environmental Licence*
- Agronomic nitrogen and phosphorus consumption rates will factor into the biosolids application rate
- Stabilized sludge (biosolids) for land application
- Based on Canadian Land Inventory agriculture capability classification, there is >80,000 ha of land within 30 km of the IWWTF site, suitable for land application

Image source: University of Nebraska Institute of Agriculture and Natural Resources Cooperative Extension

Image source: Michigan Department of Environmental Quality

Terrestrial Environment and Historical Resources Assessment

- Flora/Fauna – based on regional scale distribution mapping and typical species habitat, five species at risk could be found in the project area
- Terrestrial survey will occur prior to construction to determine mitigation measures if these species are present
- Proposed changes to occur in and around a previously disturbed area
- Some existing infrastructure will be re-used – minimizing the disturbed area footprint

No significant impacts to flora/fauna are anticipated

- Archaeology – Historic Resources Branch of Government of Manitoba has reviewed location of proposed upgrades
  - Their records indicate that the potential for impact to heritage resources in this area is low

No significant impacts to heritage resources are anticipated

Aquatic Communities and Habitat

- Whitemud River classified as a highly meandering river
- In some areas small riffles, cut-offs and oxbows have developed which provide good aquatic habitat
- Water depth in main channel is variable ranging from a few centimeters to > 2 m
- In stream vegetation ranges from none to extensive and depends on bottom substrate and flow conditions
- Fish surveys indicate presence of (among others):
  - northern pike
  - fathead minnows
  - white suckers
  - emerald shiners


Fish presence study


Offstream wetland used by various species for spawning


Fish spawning tributary 20 km downstream from IWWTF

Aquatics Assessment

- Estimated **mean** annual Whitemud River flow at effluent discharge location **1.32 m³/s**
- Estimated **high** annual Whitemud River flow at effluent discharge location **5.24 m³/s**
- Estimated **low** annual Whitemud River flow at effluent discharge location **0.198 m³/s***
- IWWTF designed to discharge on a 24/7 basis 0.0176 m³/s
  - IWWTF flow = **1.3%** of Whitemud flow in **mean** flow conditions
  - IWWTF flow = **0.3%** of Whitemud flow in **high** flow conditions
  - IWWTF flow = **8.9%** of Whitemud flow in **low** flow conditions

- Upgrades represent a 29% reduction in total nitrogen and an 87% reduction in total phosphorus compared to 2007 IWWTF releases
- Other discharges of nutrients to the Whitemud River occur downstream of Neepawa
- Overall the loads in the Whitemud River are not expected to change significantly as a result of the project however there will be an improvement in the local area

*Based on minimum release from Lake Irwin

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Next Steps

EarthTech
A tyco International Ltd. Company

- Start IWWTF Detailed Design in May 2008
- Finalize environmental assessment of IWWTF
- Submit completed application to Manitoba Conservation
  - Proposed for June 2008

Questions and Comments

- The project team wants to hear from you
- Please take the time to complete a questionnaire and submit any comments on the forms provided
- Presentation and questionnaire are also available at:

www.neepawa.ca

PROPOSED TOWN OF NEEPAWA IWWTF UPGRADE
ENVIRONMENTAL ASSESSMENT OPEN HOUSE #3

April 15, 2008

QUESTIONNAIRE FOR ATTENDEES
(Personal and Other Questions are Optional)
Feel Free to Give Us Your Comments Without Your Name or Address

Name: _____ Phone Number: _____

Address: _____

e-mail _____

Location: (Relative to IWWTF)_____

_____

1) Did you attend the December 18, 2007 Open House?
☐ Yes ☐ No

2) Do you have any concerns about the proposed Town of Neepawa IWWTF Upgrade?
☐ Yes ☐ No
If so, what are your concerns?

_____
_____
_____
_____
_____
_____
_____

3) Would you like someone from Earth Tech (Canada) Inc. to contact you?
☐ Yes ☐ No
If so, please leave contact information

_____
_____
_____

4) Did you find this Open House useful?
☐ Yes ☐ No

5) Please indicate how the Open House could be more helpful to you, and let us know if there is a better method of informing you.

OTHER COMMENTS? Use the space below for other concerns or if you have questions that were not addressed at the Open House.