

2008 ADDENDUM TO WATERSHED MANAGEMENT PLANS

INTRODUCTION: The revised Watershed Management Plans are required in accordance with the CERTIFICATE OF COVERAGE (COC) issued to each of the individual permitted communities within the GLRC. The revisions are due by April 1, 2008 for all three watersheds- the Red Cedar River Watershed, the Grand River Watershed, and the Looking Glass River Watershed.

BACKGROUND: The original Watershed Management Plans (WMPs) were developed in accordance with the procedures as outlined by MDEQ including substantial research, public involvement, and local endorsement. The Watershed Management Plans were continuously reviewed and modified until they were ultimately considered completed by MDEQ on February 1, 2007. A significant part of the WMPs, and the basis for the individual SWPPIs adopted by each individual permitted community, is the “Action Plan Table” presented in Section 8 of each Watershed Management Plan. The Action Plan Table is identical for all three WMPs.

PROPOSED UPDATES TO WMPs: After reviewing the previously adopted and approved Watershed Management Plans, it was determined that the only significant changes needed at this time could be accommodated by updating the Action Plan Table. All other portions of the WMPs still accurately reflect the conditions, goals, and objectives within each watershed.

Members of the GLRC representing all three watersheds have updated the Action Plan Table to reflect (1.) the progress made in completing various action items to date; (2.) changes necessary due to our latest interpretation of possible upcoming changes in MDEQ requirements; (3.) more realistic estimates of the time necessary to accomplish certain objectives; and (4.) reflection on changes in environmental awareness and activities.

The action plan table has also been modified to eliminate the columns titled “Material Cost Estimate” and “Labor Hour Estimate”. This data will be updated and included with any CMI documentation when needed. In addition, those communities which no longer have a COC are not included in the column titled “Permittee Level of Commitment”.

As a means of highlighting the changes being offered to the Action Plan Table we have categorized our changes into the following groups to help explain the reasoning as to the modifications made:

- Existing Action Items Completed/Deleted
- Existing Short Term Action Items Completed Initially But Extended As On-Going/Long Term
- Existing Long Term Action Items That Have Been Updated To Short Term
- Existing Short Term Action Items Extended As Short Term Action Items
- Existing Long Term Action Items That Will Continue As Long Term Action Items
- Existing Short Term Action Items That Have Been Extended As Long Term Action Items
- New Short Term Action Items
- New Long Term Action Items

A. Existing Action Items Completed/Deleted- This group of action items reflects those original action items which were completed and no longer apply. These action items have been removed from the updated list. They are noted here for future reference. These action items include the following:

General Public Education	1B	1	Design curb markers and door hangers. .	PEP Com
General Public Education	1B	2	Develop Curb Marker Volunteer Program Instructions	PEP Com
Funding Strategy	2A	1	Create a Fund Com and evaluate need to hire a consultant.	GLRC
Funding Strategy	2A	2	Determine the anticipated implementation budget	Fund Com
Funding Strategy	2A	3	Determine alternate funding mechanisms and analyze advantages and disadvantages.	Fund Com
Funding Strategy	2A	4	Present analysis of potential funding sources to all GLRC Permittees	Fund Com
Promote Water Quality Friendly Development	3A	1	Create Ord/BMP Com through GLRC	GLRC
Septic and Well Inspections	3E	1	Support the Ingham County Health Department's ordinance for time of sale inspection for septic and wells for Ingham County communities (anticipated to be adopted Summer '06)	Permittees
Septic and Well Inspections	3E	2	Research existing time of sale septic system ordinances and abandoned well closure ordinances for Eaton and Clinton County communities	Ord/BMP Com
Deadfall Management Techniques	4A	1	Conduct a literature review of appropriate deadfall management techniques. (consider working with MSU or similar organization to conduct	Hab-Rec Com

			research)	
Tree/Wood Ordinance	5E	1	Prepare a model tree/woodland ordinance for local communities to adopt	Ord/BMP Com
Inventory Wetlands	6A	1	Create a Hab-Rec Com	GLRC
Ensure Operating Procedures Comply with Phase II	7A	1	Review existing operation and maintenance SOPs for compliance with Phase II requirements.	Ord/BMP Com
Pesticide and Fertilizer Application	7B	1	Determine a baseline model of fertilizer and pesticide procedures and compare with existing community procedures	Ord/BMP Com
Pesticide and Fertilizer Application	7B	2	Recommend improvements to be made to procedures.	Ord/BMP Com
Stream and Ditch Rehabilitation	7J	1	Research stream and ditch management techniques used in other areas around Michigan and nationwide to both maintain drains and protect the environment.	Ord/BMP Com
Manage SSOs and CSOs	8A	1	See Section 3 of WMP	NA
IDEP	8B	2	Work with the county health department to develop septic system tracking program. (ICHHD has a well and septic system tracking program in place)	IDEP Com
IDEP	8B	3	Implement septic system tracking program in the Tri-County Area. (ICHHD has a well and septic system tracking program in place)	IDEP Com

B. Existing Short Term Action Items Completed Initially But Extended As On-Going/Long Term- This group of action items have already been addressed initially as noted in the comments column. These items were originally listed as short term goals with specific beginning and ending dates in the schedule. However, it has been determined that these action items will need to be continually reviewed, modified, and updated in order to remain current and applicable. As such these action items have been modified in the Action Plan Table to reflect the need for long term/ on-going implementation. The beginning date in the schedule is noted as “On-Going” and the completion date in the schedule is noted as “Long Term”. This list includes the following:

Youth Education	1A	1	Develop database of school districts and contact list of teachers. Contact DEQ for their curriculum dissemination strategy	PEP Com
Youth Education	1A	2	Conduct information and educational presentations to school boards on stormwater and MDEQ Water Quality Curriculum.	PEP Com
Youth Education	1A	3	Purchase curriculum and distribute to School Administrators/Teachers. Post to GLRC Public Web Site.	PEP Com
General Public Education	1B	6	Install watershed awareness road signs	Permittees
Homeowner Education	1E	1	Summarize existing homeowner education efforts in the watersheds and develop a plan to address the gaps	PEP Com
Homeowner Education	1E	2	Locate or create additional homeowner information packet (for example brochures and/or tip cards) for distribution; potentially use advertising to fund printing costs.	PEP Com
Public Participation	1G	1	Establish a network of volunteer monitoring initiatives within the watersheds (e.g., MiCorps, Looking Glass River volunteers, etc), and identify/prioritize needed projects.	PEP Com

Public Participation	1G	2	Seek external funding sources (both in kind, grants, and donations from communities and sponsors).	PEP Com
Update Public Education Plan	1H	1	Compare existing plan with objectives and actions from Goal 1 of this WMP.	PEP Com
Update Public Education Plan	1H	2	Update PEP to reflect objectives and actions presented in this WMP and present the information to the Permittees.	PEP Com
Update Public Education Plan	1H	3	Submit revised PEP to MDEQ.	Permittees
Promote Water Quality Friendly Development	3A	2	Research and compile information regarding Water Quality Friendly Development. Work with groups such as MTA, GLA Homebuilders and Realtors to find incentives and economically viable implementation vehicles.	Ord/BMP Com
Promote Water Quality Friendly Development	3A	3	Present and distribute Water Quality Friendly Development information to government officials and other applicable persons.	Ord/BMP Com
Water Quality Friendly Development Standards	3B	1	Review existing development standards for Water Quality Friendly Development requirements including storm water BMPs, wellhead protection, and floodplain development control. Consider input from roundtable discussions (Obj 3a).	Ord/BMP Com
Improve Ordinance Enforcement	3C	1	Review existing ordinance enforcement techniques and develop new or modify existing practices to be more effective in protecting water quality.	Ord/BMP Com
Improve Ordinance Enforcement	3C	3	Implement changes to enforcement techniques	Permittees
Adopt Wetland Protection Measures	6B	2	Identify list of development standards and develop a wetland protection ordinance template for use by each community as appropriate. Include in Watershed Habitat Plan.	Ord/BMP Com

Ensure Operating Procedures Comply with Phase II	7A	2	Recommend changes to SOPs to make them Phase II compliant.	Ord/BMP Com
IDEP	8B	1	Implement municipal separate storm sewer system illicit discharge elimination plans. (Part of IDEP document.)	Permittees

C. Existing Long Term Action Items That Have Been Updated To Short Term-

This group of action items were originally listed as long term objectives (i.e. those that would not be completed within the current five year permit cycle). These action items are now anticipated to be initially performed in the second permit cycle from April 2008 through April 2013. As such, the beginning date in the schedule is listed as “April 2008” and the completion date in the schedule is noted as “April 2013”. However, once completed some of these action items (like those in Section B above) may be switched to long term/on-going action items in order to continually maintain these objectives. This group includes:

Business Education	1I	1	Develop a listing of businesses through a watershed wide focus group. Include private salt appliers, restaurants, and automobile service stations.	Permittees
Business Education	1I	2	Work with Central MI Sustainable Business Forum (CMSBF) to identify companies that conduct their business in an environmentally responsible way. Mid-MEAC and Chamber of Commerce are starting point.	PEP Com
Natural Features Inventory	5D	1	Conduct a natural features inventory	Hab-Rec Com
Tree/Wood Ordinance	5E	2	Adopt tree/woodland ordinance	Permittees
Reduce Discharge from Municipal Impervious Areas	7E	2	Depending on review results, recommend improvements to be made to existing programs or create new programs.	Ord/BMP Com

Reduce Discharge from Municipal Impervious Areas	7E	5	Work with GLRC to develop methods to track quantity of sediment and debris removed.	Permittees
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D. Existing Short Term Action Items Extended As Short Term Action Items- At the time the initial WMP Action Plan Tables were developed short term objectives were defined as those which would be completed within the first 5 year permit cycle of April 2003 through 2008. The action items in this group were not completed in the original permit cycle and have been extended into the second permit cycle of April 2008 through April 2013 as short term action items. As such, the beginning date in the schedule is listed as either “On-Going” if work has already been initiated or “April 2008” and the completion date in the schedule is noted as “April 2013”. However, once completed some of these action items (like those in Section B above) may be switched to long term/on-going action items in order to continually maintain these objectives. This group includes:

Riparian Vegetation and Wetland Education	ID	1	Identify municipal locations as candidates to install riparian buffer preservation (no mow). Mark selected areas.	Permittees
Riparian Vegetation and Wetland Education	ID	2	Install an educational posting within buffer to create a demonstration project and explain and promote the practice of Riparian Buffer BMPs and the reestablishment of native vegetative species.	Permittees
Riparian Vegetation and Wetland Education	ID	3	Determine best media to reach riparian landowners and develop campaign based on municipal experience.	PEP Com
Business Education	II	3	Develop educational informational for businesses. Such as a Tour of Environmentally Friendly Businesses, Dumpster Stickers, Industry Certifications, and Presentations. Consider requiring permit for private salt appliers.	PEP Com

Promote Water Quality Friendly Development	3A	4	Conduct a Water Quality Friendly Development roundtable to discuss issues associated with promoting and implementing Water Quality Friendly Development practices within the community.	Ord/BMP Com
Promote Water Quality Friendly Development	3A	5	Hold a watershed-wide workshop to discuss Water Quality Friendly Development practices with builders, planners, developers, businesses, and interested residents.	Ord/BMP Com
Incorporate Water Quality Friendly Practices	3D	1	Review of existing land use, zoning plans, and master plans for the current status of water quality friendly development practices. Use Regional Growth Plan as a starting point.	Ord/BMP Com
Septic and Well Inspections	3E	3	Develop septic system/abandoned well closure ordinance template. Require point of sale inspection or inspection every 5 years. Consider having septic hauler certified for inspections. Applies to Eaton and Clinton County communities	Ord/BMP Com
Septic and Well Inspections	3E	4	Adoption of a septic and well closure inspection ordinance. Support efforts in Eaton and Clinton County communities.	Permittees
Demonstration Project	3F	3	Promote LID project as a regional model.	Ord/BMP Com
Retrofit Areas of High Impervious Cover	3G	1	Review areas (both municipal and private) with high impervious cover and rank according to potential water quality impact and cost.	Ord/BMP Com

Deadfall Management Techniques	4A	2	Develop a Deadfall Management plan with local NRCS Staff, MDNR, MDEQ, Drain Commissioners, MSU extension agents, professors, and municipal officials.	Hab-Rec Com
Restore Fishing Opportunities	4B	1	Create a panel composed of watershed representatives, state and federal resource management staff, and representatives from local groups such as Trout Unlimited to discuss the deficiencies in local fishing opportunities to identify impairments to fishing opportunities and potential solutions.	Hab-Rec Com
Restore Fishing Opportunities	4B	2	Review solutions and develop a set of actions to improve fishing opportunities. Include in an overarching Recreation Plan. Work with MDNR to select areas for fishery studies.	Hab-Rec Com
Add a Canoe Landing	4C	1	Review public lands along river corridors and other riparian properties for applicable sites, such as the future Water's Edge Park on the Looking Glass River (Wood Rd. & Round Lake Rd.) Identify appropriate locations for canoe landings. Identify appropriate agency to maintain canoe landings.	Hab-Rec Com
Recreational Assessment	4D	1	Review public lands along river corridors and other riparian properties for applicable sites.	Hab-Rec Com
Recreational Assessment	4D	2	Identify possible recreational options and assess feasibility of each option.	Hab-Rec Com
Inventory Riparian Buffers, Shade Cover and Eroding Streambanks	5A	1	Research stream corridor inventory methods and adopt a methodology applicable to the objective.	Hab-Rec Com
Inventory Wetlands	6A	2	Develop methods to inventory wetlands, wetland health, impacts, and sources. (See Chapter 3 of this WMP for a definition of wetland.)	Hab-Rec Com

Inventory Wetlands	6A	4	Review data and present findings to GLRC. Post data and reports on project Web site and include in the Watershed Habitat Plan.	Hab-Rec Com
Adopt Wetland Protection Measures	6B	1	Use the findings of the inventory to identify critical wetlands for protection.	Hab-Rec Com
Reduce Discharge from Municipal Impervious Areas	7E	1	Determine a baseline model of street sweeping, catch basin cleaning, and hydrant flushing procedures and compare to existing procedures. Review Pollution Incident Prevention Plans (PIPP) for maintenance garages, if they exist. (include procedure discussions with public utilities and drain commissioners)	Ord/BMP Com
O&M Waste Disposal	7F	1	Review existing operation and maintenance waste disposal procedures for proper practices.	Permittees
O&M Waste Disposal	7F	2	Recommend improvements to be made to disposal procedures.	Permittees
Low or No Phosphorus Fertilizer	7G	1	Research and develop an ordinance that requires low or no phosphorous fertilizers. Discuss with local distributors and manufacturers.	Ord/BMP Com
Excess Salt (Deicing)	7H	1	Review existing salt application practices including truck calibration, salt loading, and salt storage.	Permittees
Excess Salt (Deicing)	7H	2	Recommend improvements to be made to existing practices or create new practices.	Permittees
Stream and Ditch Rehabilitation	7J	2	Hold roundtable discussion with those involved in ditch and drain cleanout/maintenance.	Ord/BMP Com

WMP Updates	10A	2	Update Section 3 (Watershed Characteristics), Section 4 (Water Quality), and the appropriate action/evaluation items of the WMP as needed	Hab-Rec Com
WMP Updates	10A	3	Update Section 5 (Community Outreach) and the appropriate action/evaluation items of the WMP as needed	PEP Com
WMP Updates	10A	4	Update Section 10 (Plan Sustainability) and the appropriate action/evaluation items of the WMP as needed	Fund Com
WMP Updates	10A	5	Update the appropriate action/evaluation items and other sections of the WMP as needed	Ord/BMP Com
WMP Updates	10A	6	Update the appropriate action/evaluation items and other sections of the WMP as needed	IDEP Com
WMP Updates	10A	7	Incorporate revised information from the Committees into the WMP and review and revise the complete WMP as needed. Update the action plan schedule for the next permit cycle. Submit the revised WMP to MDEQ.	GLRC
WMP Updates	10A	8	Review, revise, and approve WMP updates as appropriate. Disagreements with significant components of the WMP will be documented.	Permittees

E. Existing Long Term Action Items That Will Continue As Long Term Action Items-

At the time the initial WMP Action Plan Tables were developed long term objectives were defined as those which would not be completed until future permit cycles (i.e. after April 2008).

Some of these action items have been started initially but will be continued long-term. As such, the beginning date on the schedule for these action items is noted as “On-Going”.

Those long term action items not previously begun will be noted on the schedule as beginning “April 2008” reflecting that they will be initiated during the second permit cycle.

All of the action items in this group will be noted on the schedule as completed “Long Term”.

This list includes the following action items:

Youth Education	1A	4	Work with teachers one on one and with schools to implement curriculum	PEP Com
Youth Education	1A	5	Work to link Project Green and the Lansing water festival to MDEQ water quality curriculum to broaden and deepen program (e.g. Okemos School District program)	PEP Com
Youth Education	1A	6	Provide (or coordinate presentation by others) classroom presentations on water quality related topics to local educational institutions	Permittees
Youth Education	1A	7	Conduct, participate in or support local water festivals or open houses that include watershed education activities	Permittees
Youth Education	1A	8	Provide both educational and project materials to elementary classes for annual water quality awareness fish painting project	Permittees

General Public Education	1B	3	Solicit and train volunteers for curb markers	Permittees
General Public Education	1B	4	Purchase and install curb markers and door hangers in targeted community locations.	Permittees
General Public Education	1B	5	Compile/Track all Curb Marker Locations and door hanger responses in watershed.	Permittees
Adopt-a-River Program	1C	1	Work with participating organizations to promote and participate in Adopt-A-River program activities.	PEP Com
Riparian Vegetation and Wetland Education	1D	4	Develop and maintain a list of riparian land owners.	Permittees
Riparian Vegetation and Wetland Education	1D	5	Provide the riparian landowners with educational materials emphasizing protecting and managing the riparian corridor.	Permittees
Homeowner Education	1E	3	Distribute materials to homeowners and environmental organizations.	Permittees
Homeowner Education	1E	4	Conduct a discussion/survey to evaluate success of information distributed. Refer to Section 9.	PEP Com
Homeowner Education	1E	5	Post results and information on GLRC Public Web Site. (Obj 1f)	GLRC Crd
Web Site Education	1F	1	Maintain and improve the www.mywatersheds.org website through the GLRC	GLRC Crd

Web Site Education	1F	2	Update the www.mywatersheds.org website with watershed wide educational material, watershed monitoring results, permit information and meeting information for the various committees of the GLRC. Include links to all community Web sites.	GLRC Crd
Web Site Education	1F	3	Update Permittee specific web sites with community specific educational material for public viewing and reproduction as well as mechanisms for public input and involvement. Include links to the www.mywatersheds.org Web sites.	Permittees
Public Participation	1G	3	Implement chosen projects; supply volunteer labor toward field projects.	PEP Com
Business Education	1I	4	Distribute educational information to businesses	Permittees
Funding Strategy	2A	5	Each permittee select a funding mechanism to be used to implement WMP and SWPPI.	Permittees
Water Quality Friendly Development Standards	3B	3	Adopt development standards manual as appropriate by ordinance or procedure	Permittees
Water Quality Friendly Development Standards	3B	4	Announce new standards through notices to appropriate businesses, developers, and builders and through public service announcements (PSA) directed to residents.	Permittees

Water Quality Friendly Development Standards	3B	5	Site Plan Review using adopted standards	Permittees
Incorporate Water Quality Friendly Practices	3D	3	Work with applicable government staff to implement appropriate changes to plans.	Permittees
Septic and Well Inspections	3E	5	Work with both businesses and residents to implement the new ordinance.	Ord/BMP Com
Septic and Well Inspections	3E	6	Post information on GLRC Public Web Site. (Obj. 1f)	GLRC Crd
Retrofit Areas of High Impervious Cover	3G	2	Meet with appropriate land owners, developers/government staff and officials to solicit support and cooperation.	Ord/BMP Com
Retrofit Areas of High Impervious Cover	3G	3	Select sites and implement LID.	Permittees
Retrofit Areas of High Impervious Cover	3G	4	Work through GLRC to Retrofit 30% of high impervious cover throughout the watershed.	Permittees
Deadfall Management Techniques	4A	3	Promote and adopt plan.	Permittees
Deadfall Management Techniques	4A	4	Post information on GLRC Public Web Site. (Obj. 1f)	GLRC Crd
Restore Fishing Opportunities	4B	3	Identify applicable groups, agencies, or municipalities to implement actions and develop a method of measuring progress. Publicize the plan.	Hab-Rec Com
Add a Canoe Landing	4C	2	Design and construct landings. Include projects in an overarching	Hab-Rec Com

			Recreation Plan.	
Add a Canoe Landing	4C	3	Advertise canoe landing.	Hab-Rec Com
Recreational Assessment	4D	3	Determine appropriate projects, meet with government officials, and hire a design consultant, if appropriate.	Hab-Rec Com
Recreational Assessment	4D	4	Identify appropriate agency to maintain access sites, river trails and/or observation decks.	Hab-Rec Com
Recreational Assessment	4D	5	Work with GLRC to Construct recreational project.	Permittees
Recreational Assessment	4D	6	Advertise recreational project.	Hab-Rec Com
Inventory Riparian Buffers, Shade Cover and Eroding Streambanks	5A	3	Organize an inventory team and conduct stream corridor inventories throughout the watershed. Consider using volunteers or non-profit organizations.	Hab-Rec Com
Inventory Riparian Buffers, Shade Cover and Eroding Streambanks	5A	4	Review the results of the inventory and rank areas in order of severity for restoration/preservation.	Hab-Rec Com
Inventory Riparian Buffers, Shade Cover and Eroding Streambanks	5A	5	Identify actions and a timeline for restoring/protecting areas of the stream corridor. Include in Watershed Habitat Plan.	Hab-Rec Com
Watershed Habitat Plan	5B	2	Discuss options and develop a comprehensive plan with local NRCS Staff, MDNR, MDEQ, Drain Commissioners, MSU extension agents, professors, and municipal officials.	Hab-Rec Com
Watershed Habitat Plan	5B	3	Adopt the aquatic and terrestrial wildlife plan and include in Watershed Habitat Plan.	Permittees

Watershed Habitat Plan	5B	4	Implement plan.	Permittees
Watershed Habitat Plan	5B	5	Post information on GLRC Public Web Site. (Obj. 1f)	GLRC Crd
Manage Woodlands/Forested Property	5F	1	Professionally manage municipal woodlands/forested property	Permittees
Reforestation Project	5G	1	Complete a municipal reforestation project	Permittees
Municipal Turf Grass	5H	1	Reduce area of turf grass on selected areas of municipal property - no mow zones - and revegetate the areas with native vegetation (See 1D1 and 1D2)	Permittees
Municipal Buffer Zone	5I	1	Provide vegetated buffer zones around water features and drains on municipal property	Permittees
Inventory Wetlands	6A	3	Inventory and Prioritize wetland areas based on location, schedule, volunteer base, health, impact, and opportunities.	Hab-Rec Com
Adopt Wetland Protection Measures	6B	3	Adopt standards or ordinance as appropriate.	Permittees
Implement Wetland Protection Measures	6C	3	Implement feasible measures on appropriate scale.	Permittees
Ensure Operating Procedures Comply with Phase II	7A	3	Adopt new/revised SOPs appropriately.	Permittees
Ensure Operating Procedures Comply with Phase II	7A	4	Train municipal staff, other appropriate agencies, and public utilities on new procedures. Include basic storm water management	Permittees

			awareness information.	
Pesticide and Fertilizer Application	7B	3	Adopt new procedures as appropriate	Permittees
Pesticide and Fertilizer Application	7B	4	Train Staff on new application procedures, as needed.	Permittees
Maintenance of Structural BMPs	7C	1	Research BMPs and develop a BMP manual including design standards, inspection requirements, maintenance requirements, and pollutant removal efficiencies.	Ord/BMP Com
Maintenance of Structural BMPs	7C	2	Adopt appropriate individual BMPs from manual.	Permittees
Maintenance of Structural BMPs	7C	3	Post BMP manual on GLRC Public Web Site. (Obj. 1f)	GLRC Crd
Maintenance of Structural BMPs	7C	4	Train Staff on new BMPs and BMP maintenance procedures, as needed.	Permittees
Impacts from Flood Management Projects	7D	1	Use the BMP Manual when designing new flood management BMPs. Determine pollutant removal efficiencies to assess impacts on water quality.	Permittees

Reduce Discharge from Municipal Impervious Areas	7E	3	Adopt changes as appropriate	Permittees
Reduce Discharge from Municipal Impervious Areas	7E	4	Train Staff on new street sweeping, catch basin cleaning, hydrant flushing, and PIPP procedures, as needed.	Permittees
O&M Waste Disposal	7F	3	Adopt changes as appropriate	Permittees
O&M Waste Disposal	7F	4	Train Staff on new waste disposal procedures as needed.	Permittees
O&M Waste Disposal	7F	5	Dispose of operation and maintenance waste appropriately	Permittees
Low or No Phosphorus Fertilizer	7G	2	Adopt ordinance in watershed communities.	Permittees
Low or No Phosphorus Fertilizer	7G	3	Work with both businesses and residents to see this new ordinance implemented.	Permittees
Low or No Phosphorus Fertilizer	7G	4	Develop/Distribute brochures and tip cards to businesses and residents through a mailing.	PEP Com
Excess Salt (Deicing)	7H	3	Train Staff on new salt storage, application, and truck calibration practices, as needed.	Permittees
Trash and Debris in River	7I	3	Clean up trash and debris on municipally owned property along water bodies	Permittees
Stream and Ditch Rehabilitation	7J	3	Develop a management plan.	Ord/BMP Com
Stream and Ditch Rehabilitation	7J	4	Adopt management plan as appropriate.	Permittees

Stream and Ditch Rehabilitation	7J	5	Implement management plan.	Permittees
Stream and Ditch Rehabilitation	7J	6	Evaluate areas of ditches that have been rehabilitated.	Ord/BMP Com
Stream and Ditch Rehabilitation	7J	7	Post information on GLRC Public Web Site. (Obj. 1f)	GLRC Crd
Sweep Parking Lots and Streets	7K	1	Sweep/clean municipal owned parking lots and streets	Permittees
Municipal OSDS	7L	1	Operate and maintain municipally owned on-site disposal systems	Permittees
Oil and Grease Collection	7M	1	Provide, or partner with other communities, collection of waste cooking oil and grease and distribution of home grease collection containers.	Permittees
Yard Waste Collection	7N	1	Institute yard waste and Christmas tree collection program.	Permittees
Thermometer Exchange	7O	1	Institute mercury thermometer exchange program	Permittees
Re-use Rally	7P	1	Institute municipal re-use rally	Permittees
Dumpster Replacement	7Q	1	Insure that only leak proof dumpsters are used on municipal properties	Permittees
IDEP	8B	4	Work with Park Departments and associations to reduce pet waste. Consider signs in parks and pet waste bags.	IDEP Com
IDEP	8B	5	Implement Pet Waste Reduction Campaign as appropriate	Permittees

IDEP	8B	6	Participate in Health Department's program for E-coli river testing and consider expanding the program	Permittees
IDEP	8B	7	Minimize the potential for SSOs through sanitary sewer cleaning	Permittees
IDEP	8B	8	Minimize the potential for SSOs through municipal grease trap requirements and inspections	Permittees
IDEP	8B	9	Minimize the potential for SSOs through sewer improvements	Permittees
IDEP	8B	10	Minimize sanitary sewer leakage through sewer rehabilitation projects	Permittees
IDEP	8B	11	Eliminate illicit discharge identified through the municipal industrial pretreatment program	Permittees
Agricultural Water Quality Friendly Practices	9A	2	Promote water quality friendly agricultural practices with local farmers through NRCS, FSA and MDA etc.	Permittees
Agricultural Water Quality Friendly Practices	9A	3	Select and Implement demonstration projects.	Ord/BMP Com
Agricultural Water Quality Friendly Practices	9A	4	Ensure that water quality friendly agricultural practices are promoted through the distribution of existing materials and programs.	Permittees
Agricultural Annual Meetings	9B	1	Coordinate with the Conservation District to incorporate annual community meeting on agricultural practices into	PEP Com

			their annual meeting.	
Agricultural Annual Meetings	9B	2	Set annual goals during each meeting and review progress made on previous years goals.	PEP Com
WMP Updates	10A	1	Maintain Action Plan and Evaluation Plan database. Maintain a current copy of the WMP on the public website.	GLRC Crd

F. Existing Short Term Action Items That Have Been Extended As Long Term Action Items- These items were originally listed as short term goals with specific beginning and ending dates in the schedule. However, it has been determined that these action items will need additional time to initiate, and then once initiated they will need to be continually reviewed, modified, and updated in order to remain current and applicable. As such these action items have been modified in the Action Plan Table to reflect the need for long term/ on-going implementation. The beginning date in the schedule is noted as either “On-Going” (if some work has been initiated to date) or “April 2008” and the completion date in the schedule is noted as “Long Term”. This list includes the following:

Water Quality Friendly Development Standards	3B	2	Develop a development standards manual specific to the watershed, including performance standards. Allow for different standard levels to accommodate various community needs.	Ord/BMP Com
Improve Ordinance Enforcement	3C	2	Adopt changes to enforcement techniques.	Permittees
Incorporate Water Quality Friendly Practices	3D	2	Recommend revisions to land use, zoning plans, and master plans.	Ord/BMP Com
Demonstration Project	3F	1	Review new development properties and approach planners/developers early in the project planning phase. Consider offering incentives.	Ord/BMP Com

Demonstration Project	3F	2	Select appropriate projects in the watershed and Work with developer to incorporate low impact designs into the plans.	Ord/BMP Com
Watershed Habitat Plan	5B	1	Meet with local NRCS Staff, MDNR, MDEQ, Drain Commissioners, MSU extension agents, professors, and municipal officials to identify habitat deficiencies and critically sensitive habitats within the watershed. Use results of the inventory (Obj. 5b) to assist with this.	Hab-Rec Com
Restore or Purchase Habitat Areas	5C	1	Identify jurisdictions or organizations interested in purchasing or restoring key wildlife habitat areas. Consider acquisition options including fee simple and development rights.	Hab-Rec Com
Restore or Purchase Habitat Areas	5C	2	Identify funding options and practicality. Promote in kind grants and donations from communities and sponsors. Include recommendation in Watershed Habitat Plan.	Hab-Rec Com
Implement Wetland Protection Measures	6C	1	Research advanced measures (e.g., 'wetland conservancy', 'wetland banking') and determine applicability.	Hab-Rec Com

Implement Wetland Protection Measures	6C	2	Develop plan to implement advanced measures and assess feasibility. Include in Watershed Habitat Plan.	Hab-Rec Com
Trash and Debris in River	7I	1	Coordinate with existing river clean-up programs to identify new locations and extend programs to other portions within the watershed.	PEP Com
Trash and Debris in River	7I	2	Meet with MSU, school districts, chamber of commerce, parks and recreation department, and O & M departments to coordinate public service following community events.	PEP Com
Agricultural Water Quality Friendly Practices	9A	1	Research agricultural programs designed to protect water quality. Examples include CREP (Federal and State) CRP (Federal), Effluent trading, MAEAP, and tax assessment on drains. Identify incentives to be promoted.	Ord/BMP Com

G. New Short Term Action Items- This group of action items includes new action items which have been identified during the WMP updating process and will be completed within the second permit cycle of April 2008 through 2013:

General Public Education	1B	7	Work with a local advertising firm to develop a stormwater tagline for use in various printed materials.	PEP committee
Public Participation	1G	4	Encourage participation of communities within the watersheds that are not required to have a Certificate of Coverage and to areas outside the present watershed boundaries.	PEP Com
Newsletter Articles	1J	1	Write a series of newsletter articles dealing with stormwater issues for print in community newspapers. Reprint periodically.	PEP committee
Area Watershed Map	1K	1	Design a map of the Greater Lansing Area watersheds with the urbanized boundaries depicted for use in various printed materials	PEP committee
Traveling display	1L	1	Design and print a Greater Lansing Area stormwater display for use by GLRC permittees	PEP committee
Stormwater Training Program	1M	1	Host and record at least one stormwater training program for rebroadcast on public access television	PEP committee
Billboard Display	1N	1	Work with a local advertising firm to develop a stormwater billboard.	PEP committee
Funding Strategy	2A	6	Monitor status of Statewide Legislation on Stormwater Utility Fees.	Permittees
Reduce Discharge from Municipal Impervious Areas	7E	6	Develop procedures for responding to spills and emergencies	Permittees
IDEP	8B	12	Update map and listing of all MS4 annually to MDEQ if new discharges are added.	Permittees

H. New Long Term Action Items- This group of action items includes new action items which have been identified during the WMP updating process and may be started during but will not be completed until after the second permit cycle of April 2008 through 2013:

Municipal Buffer Zone	5I	1	Provide vegetated buffer zones around water features and drains on municipal property	Permittees
IDEP	8B	13	GPS all MS4 outlets to Waters of the State and provide latitude and longitude to MDEQ for their use.	Permittees

SCHEDULE FOR IMPLEMENTING REVISED WMPs: This document will be submitted to MDEQ by April 1, 2008 as a “DRAFT” by the Chair of the GLRC. Upon review and approval by MDEQ of the 2008 WMP Addendum the Watershed Management Committees will proceed as follows:

<u>Days After MDEQ</u>		<u>Party</u>
<u>Review & Approval</u>	<u>Action to be Taken</u>	<u>Responsible</u>
45	Posted for Public Review	Watershed Com.
60	Revise WMP Addendum If Needed	Watershed Com.
90	Individ. Jurisdictions Adopt Addendum	Permittees
120	Final WMP Addendum. Submitted	Watershed Com.

The final WMPs submitted to MDEQ will include documentation as to the public input process, copies of each permittees approval of the 2008 WMP Addendum, and where applicable, comments as to exceptions to the plan taken by individual permittees.