

LAKES EMP DEC 2002

APPENDIX 1 INTERDEPARTMENTAL RESPONSIBILITY AGREEMENT

Business Unit/ Department	Responsibilities agreed to	Manager's Name	Program Times
CITIWORKS	<ol style="list-style-type: none"> 1. Install and maintain Gross Pollutant Traps and open drains to enhance the environmental and flood management outcomes 2. Inspect and clean Gross Pollutant Traps, especially prior to the wet season and immediately after the first flush or any heavy rain event 3. Continue investigations to improve water quality in conjunction with flood mitigation 4. Participate in engineering and environmental review of the Lakes, in conjunction with Environmental Health, EMS and ESCU 5. Survey sediment build-up in lakes and around drainage outflow pipes 6. Remove and appropriately dispose of sediments (sludge pump) and easily accessible reeds 7. Install and operate a pump when DO drops below 4 ppm. 8. Slowly treat water via filtration unit? 	Russell Plant	<p>As funding allocated by Council & scheduled in USQ.MP priorities.</p> <p>After heavy rains/ TWICE YEARLY.</p> <p>AS REQUIRED.</p>
CITIWATER	- Continue to collect and test water samples (refer Table 2)	Henry Fracchia	WEEKLY OR TWICE WEEKLY AFTER RAIN

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CITIWASTE/EMS	<ol style="list-style-type: none"> 1. Clean up rubbish (as well as cars & shopping trolley's), litter and animal carcasses (including dead fish) not within booms but on the water edge. 2. EMS will organise collection near private properties. 3. Conduct inspections after fish kills and heavy rain events and remove dead fish 	Grant Steen	MONTHLY
LAND DEVELOPMENT & HYDRAULICS	<p><u>Development Assessment:</u> Place conditions on development and building applications which will ensure the protection of the environment and water quality-</p> <ul style="list-style-type: none"> □ Oil/water separators □ GPT's □ Gravel swales □ Filter rock/sand traps 		
HEALTH SERVICES	<ol style="list-style-type: none"> 1. Participate in engineering and environmental review of the Lakes, in conjunction with Engineering Services and Environmental Management Services 2. Refer major incidents to the IEMS Officer as per the Emergency (Incident) Policy Manual and provide written reports on minor incidents on the Incident Reporting Forms. 3. All health issues and infringements of ERA approvals are addressed by EHO's, including potential for botulism from dead fish and H2S poisoning from activated bottom sediments. 	Grant Steen	

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PARKS SERVICES	<ol style="list-style-type: none"> 1. Regularly mow all parkland surrounding both Lakes, except within 5m of lakes and only cut grass above 15cm in height. (refer 6.2.1) 2. Remove all routine land-based litter and debris and dispose at Vantassal Landfill 3. Monitor parkland for presence of weeds, and control and dispose of any infestations, via chemical* or physical means <p>BOOKINGS:</p> <ul style="list-style-type: none"> □ Parks Services receive applications for recreational use of the waters and major functions in the parkland around the lakes. □ These are to be referred to E.M.S for assessment prior to approval- WQ Impact 	Lindsay Groat	
ENVIRONMENTAL MANAGEMENT SERVICES	<ol style="list-style-type: none"> 1. Undertake environmental reviews of the Lakes, in conjunction with Engineering Services and Environmental Health Services. 2. Monitor Lake 1 data and formulate a prediction model for dealing with adverse events. 3. Promote Community Awareness. 4. Regularly update Lakes EMP. 5. Coordinate Council response and operations for environmental incidents. 6. Review water quality data and assess sampling program. 7. Coordinate media releases for incidents in consultation with PR. 	Greg Bruce	<p>DRY SEASON.</p> <p>YEARLY.</p> <p>YEARLY.</p> <p>AS REQUIRED.</p> <p>YEARLY.</p> <p>AS REQUIRED.</p>
ALL	To manage health and safety risks associated with the Lakes maintenance operations through effective control strategies preventing harm to human and environmental health	N/A	

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APPENDIX 2 ENVIRONMENTAL RISK

Environmental Risk	Protection Practice
Acid Sulphate Soil Exposure	<ul style="list-style-type: none"> • mandatory sediment testing before dredging operation commencement • re-evaluation of the necessity of any proposed soil disturbance works and avoid disturbance if possible • follow TCC's ASS Management Plan
Soil and Sediment erosion	<ul style="list-style-type: none"> • move equipment carefully avoiding unnecessary disturbance of vegetation which stabilises the banks • install silt curtains or sediment barriers in all flowing waterways before work commencement • install silt/sediment barriers to contain sediments as appropriate (ie. geotextile curtains, straw bales, earthen bunds)
Drainage and waterway bank instability	<ul style="list-style-type: none"> •
Environmental Harm - Contamination of land and water	<ul style="list-style-type: none"> • • collect all solid and liquid waste for appropriate disposal at the Landfill separate (vegetation, litter, sediment spoil) & dispose of all liquid & solid waste to the Vantassel Landfill or the green waste collection site for processing to mulch • carry a spill clean-up kit at all times and clean-up every spill, however small, immediately • cleaning the equipment & machinery at the purpose build washdown area of Council's depot to prevent the spread of soil-borne pathogens/weeds • Notify your supervisor of any incidents (include. near misses) immediately as it occurs