

POLLUTION CONTROL MANAGEMENT PLAN

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NYC has a duty of care to ensure that no potential pollutants, litter and debris enter the Swan River.

Prevention of Pollution

Nedlands Yacht Club will, in keeping with its Environmental Management Plan, install facilities and enforce its policies to control and minimise oil/fuel spills, sewerage spills and effluent/stormwater runoff to the waterway via its slipway and maintenance areas.

In the event of Pollution occurring

Nedlands Yacht Club will take all available measures to control a pollution event occurring within the club lease area in compliance with best available practices.

Reporting

Any Pollution incident shall be immediately reported to NYC Management who will take the appropriate action in terms of the Pollution Control Management Plan and notify the respective government agencies.

Causing Pollution is an offence under the Environmental Protection Act 1998.

Emergency Service	Telephone	Alternate Contact Number
Police	000	13 14 44
Fire	000	
Ambulance	000	
Hospital Emergency	9346 3333 Sir Charles Gairdner, Monash Ave, Nedlands	9224 2244 Royal Perth Hospital, Wellington St, Perth
Doctors	9346 6191 After Hours Family Medical Clinic, Monash Ave, Nedlands	9386 7417 Dalkeith Medical Centre, 81 Waratah Ave, Dalkeith, (Not on Sundays)
St John's Ambulance	9334 1222	1300 360 455
State Emergency Services	13 25 00	
Poisons Information Centre	13 11 26 Sir Charles Gairdner Hospital	
Water Police	9442 8600 (24 Hr)	13 14 44 (VHF -16 and 67, HF 6215, 4125, 8291 and 8176)
Wembley Police Station	9214 7100 (379 Cambridge St)	Fax 9214 7166 (Mon-Fri 8-4pm)
Rottneest Police	9292 5029	
Hillarys Police	9403 1000	
Fremantle Sea Rescue	9335 1332	0416 171 929
DPI Marine Safety	9431 1000	9480 9924 Oil Pollution Reporting 24 hr
Swan River Trust Emergency	0419 192 845	9278 0900 (weekdays)
DEC Pollution Response Unit	1300 784 782	9483 6462
ToxFree Emergency Response	1800 429 628 (24 hr callout service to manage clean up of toxic spills)	9423 3100
Wildcare Helpline	9474 9055 (For injured native wildlife)	
Nedlands City Council	9273 3500 (weekdays)	

Introduction

NYC is developing this Pollution Control Management Plan to provide management and members with a set of guidelines to deal with a pollution incident occurring on the club premises or as part of a club activity on the water. This document will be the NYC emergency response plan for pollution incidents as required by the Department of Parks and Wildlife.

It is a working document which outlines the actions to be taken in event of an emergency such as a fuel/oil spill, vessel sinking causing pollution, other pollution events. The Pollution Control Management Plan should be considered as an adjunct of NYC Emergency Response Plan for dealing with emergencies arising during club activities that result in injuries to participants or the public.

The NYC Environmental Management System identified a number of club activities that pose a risk of pollution to the surrounding environment. A list of these risks and NYC's objectives follows.

Risks and Objectives

1. Hydrocarbon contamination from storage drums and containers
 - No loss of hydrocarbons to the environment from storage drums and containers
2. Hydrocarbon contamination from spillage during refuelling
 - No spillage of hydrocarbons during refuelling
3. Pollution of the river from bilge water

- No pollutants discharged into the river via bilge water
- 4. Pollution from storm water runoff
 - Containment and treatment of all contaminated runoff from work areas
- 5. Pollution from boat maintenance and hull cleaning on the work area and ramp
 - Reduce movement of contaminants from work area/ramp
- 6. Contamination due to cleaning of vessels in pens or on moorings
 - Prevent contamination of river by cleaning agents
- 7. Contamination of the environment from antifouling
 - Reduce antifouling contamination
- 8. Noise pollution causing a nuisance and/or endangering the health of neighbours
 - Reduce all noise pollution so that no health risk is posed and no complaints are received
- 9. Dust generation from vessel maintenance
 - Reduce the release of harmful dust into the atmosphere to a level that poses no health risk or nuisance to any person
- 10. Contamination of the river from fertiliser, herbicides, pesticides, green wastes and erosion
 - Reduce opportunity for pollutants to run into the river from the grounds and protect the river bank
- 11. Contamination from stored hazardous and dangerous goods
 - No loss or unacceptable exposure of people resulting from storage of hazardous goods
- 12. Effluent contamination from septic and associated pipe works
 - No loss of effluent to the environment
- 13. Asbestos contamination from club buildings
 - No asbestos contamination from club buildings (see separate NYC Asbestos Management Plan)

The following scenarios of pollution emergencies will be used as guides for the NYC response pollution incidents:

- Oil/fuel spill on hard surfaces and roadways
- Oil/fuel spill on soils
- Oil/fuel spill on the Swan River

In addition a guide is provided for reporting a pollution incident (Source: Perth Petroleum Services, How to Guide) and a report form to be filled in by the person who responded to the incident.

Response to oil/fuel spill on hard surfaces and roadways

Once a spill has been detected it is the responsibility of every NYC member to firstly ensure their own safety and the safety of others.

Safety First

- Ensure the area is safe to enter.
- Be aware of fumes, approach the spill site from up wind.
- Always ensure personal protection equipment is worn.

Control the Spill

- Stop the source of the spill.
- Upright the drum or stop the pump
- Turn off all ignition sources
- Locate the drains

Contain the Spill

- Use absorbent booms, banks of soil, hoses or any safe objects to surround the spill and prevent the spill from further impacting the environment
- Often with a spill onto a hard surface the spill will travel very quickly in the initial few moments so speed is important
- Prevent the spill from entering drains and culverts which often lead to the environment and can create larger problems
- Dangerous fumes can build up in low lying areas



Absorbent booms preventing spill entering a drain

Cleanup the Spill

- Large pools of liquid should be absorbed with pillows and pads from the NYC spill kit (located in the fuel shed)
- The remaining spill should be covered with a layer of absorbent granular material (also provided in buckets in the NYC fuel shed)
- All absorbent materials should be reclaimed and disposed of by bagging for specialised collection

- Only use sand if there is no other absorbent material available.



Prosorb Plus used to cover and absorb spill



Used absorbents bagged and ready for disposal

It is important to try and contain the spill to the road, car park or hardstand because once the spill has reached soil or broken ground the control, containment and cleanup becomes more difficult.

Response to oil/fuel spill on Soil

The first 3 steps (Safety, Control and Contain the spill) are essentially the same as above although often with spills onto soils there is little sideways movement of the spill after the initial few moments unless the soil is extremely compacted or wet, the spill will soak into the ground.

Clean up the Spill

- Large pools of liquid may be absorbed with pillows, pads or particulate from the NYC spill kit (located in the fuel shed).
- The used absorbents should be bagged for specialised disposal
- The remaining spill should be covered by a layer of an organic absorbent. Global Peat is the recommended absorbent for this task.



Global Peat used to absorb free liquid

Remediation

- NYC management will seek outside assistance from companies such as ToxFree Solutions Limited for remediation.
- Biological remediation is often used to break down fuels, oils and other hydrocarbon products naturally.
- As well as existing bacteria in the soil, Global Peat does contain hydrocarbon utilizing bacteria and will help to begin the bioremediation process.

Response to oil/fuel spill on the Swan River

Spills of oil/fuel and similar products as a result of mishaps during refuelling boats is one of NYC's greatest pollution risks, but pollution can also come from drains and runoff from our hard standing areas. It is important to deal with spill as early as possible, before further damage occurs. A spill can escape a confined area due to wind change or a rise and fall of the tide or simply by seepage into the soil.

Safety First

- Firstly consider safety before attempting to cleanup, as above but also including marine safety e.g. use of personal flotation devices or safety lines.

Control the Spill

- Upright the drum or stop the pump
- Turn off all ignition sources

Contain the Spill

- If this is a small spill (less than 20 litres) use absorbent booms to surround the spill and bring it slowly to a cleanup site. Remember to join the booms before deploying them.
- If the cleanup site includes the beach, use an organic absorbent such as Global Peat.



Booms contain spill, Absorbent Peat encapsulates spill

Cleanup the Spill

- Use “oil selective” absorbent pads, rolls and other like materials from the NYC spill kit to absorb the spill from the surface of the water
- All absorbent material needs to be collected. The used absorbents should be bagged for specialised disposal
- A pool scoop is useful to reclaim absorbent materials.

If the spill is large (more than 20 litres) the NYC management will call in professional help to organise the cleanup of the spill (eg ToxFree Solutions Limited PH: 1800 429 628 www.toxfree.com.au).

Remediation

- NYC management will seek outside assistance from companies such as ToxFree Solutions Limited for remediation.

Reporting

Any Pollution incident shall be immediately reported to NYC Management who will take the appropriate action in terms of the Pollution Control Management Plan and notify the respective government agencies.

The specific reporting duties of the NYC are:

- For an oil/fuel/contaminant spill in the Swan River or on the foreshore, NYC must notify the Department of Parks and Wildlife
Rivers and Estuaries Division
17 Dick Perry Avenue
Technology Park, Western Precinct
KENSINGTON WA 6151
P: +61-8-9219 9000 (is DPaW reception who can transfer you or 08 9278 0900 is Rivers and Estuaries reception)
E: rivers.info@dpaw.wa.gov.au
- **Emergency Contact Information**
P: +61 (8) 9219 9000 (8.00am - 5.00pm on weekdays)
M: 0419 192 845 (after hours emergencies only)

For a pollution event on the NYC premises, NYC must notify the Nedlands City Council (as per its lease agreement). 08 9273 3500

Appendix 1 – Nedlands Yacht Club – Management Committee Contacts.

Details reflect club records at the time of publication. Please update the list by hand and advise the club secretary of changes.

Milton Kirk, Commodore	0407 420 472
Gavin Taylor, Vice Commodore	0421 616 401
Julia Cheong, Rear Commodore	0418 952 795
Glenn Fairey, Rear Commodore	0421 379 603
Michael Roberts, Rear Commodore	0412 619 556
Brian Wooller, Treasurer	0417 721 376
John Collier, General Committee	0408 908 790
Noel Lacey, General Committee	0438 243 940
Ray North, General Committee	0474 458 144
Staphen Seaton, General Committee	0400 716 263
Peter Twiby, General Committee	0423 113 148
NYC Office	9386 5496

NYC POLLUTION EVENT REPORT FORM

Date.....

Report compiled by.....

Pollution Event Date..... Pollution Event Time of First Response.....

Describe the cause of the pollution Event:

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Describe the whereabouts and the extent of the Spill:

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Describe the actions taken to Control the Spill:

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Describe the actions taken to Contain the Spill:

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Describe the actions taken to Cleanup the Spill:

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Recommend further actions for Cleanup and Remediation:

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NYC Actions

Reported to Department of Parks and Wildlife (yes / no), Date.....Time.....Contact Person.....

Outside Assistance sought for Cleanup/Remediation (yes / no), Contractor Name

Contractor Response: (Describe work carried out, when etc):

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Reported to Nedlands City Council (yes / no), Date.....Time.....Contact Person.....