



POSOW

Preparedness for Oil-polluted

Shoreline cleanup and

Oiled Wildlife interventions

Worksite organization



POSOW is a project co-financed by EU under the Civil Protection Financial Instrument developed in cooperation with ISPRA, Cedre, Sea Alarm and CPMR and coordinated By REMPEC a regional Centre of the Barcelona Convention

Overview

- Roles and responsibilities
- Specific areas
- Health and safety
- Daily management





Roles and responsibilities on the worksite

- **Beachmaster**: responsible for the management of the worksite
- **Equipment supervisor**: in charge of handling, checking, reconditioning equipment
- **Safety officer**: in charge of H&S on the worksite + transfer to medical facilities if needed



Worksite setup



Polluted area

- Where cleanup operations take place
- Restricted **access**
- All operators wear **PPE**
- **Protect** non-oiled areas
- Recover **all** effluents



Rest area

- Changing rooms
- Toilets (♀ / ♂)
- Sheltered place to rest / drink / eat
- Hot / cold beverages
- Possibly meals
- First-aid kit
- Fire extinguisher
- Communication equipment



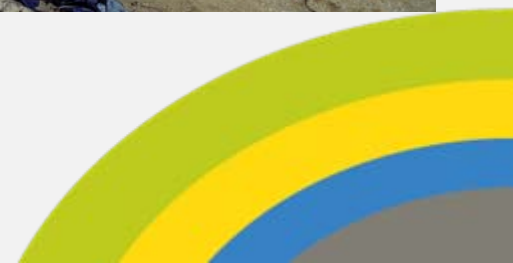
Storage area for tools and machinery

- Flat area close to the worksite
- Cabins, huts, ...
- Locked when possible
- Maintenance tools
- Cleaning equipment
- Daily check
- Fuel, water, lubes, other fluids



Primary waste storage area (1)

- Staging area before transport / treatment
- Short term
- Sort waste!
- Use adapted containers
- Protect from rain, sun,...
- Signpost / prevent access



Primary waste storage area (2)



Decontamination area (personnel)

- Decontaminate **every time** they leave the worksite
- Clean roughly with clothes and **non-toxic agent**
- Wash / rinse @ **max 50 bars/50°C**
- **Collect effluents**
- **Cooking oil and soap** to wash skin



Decontamination area (equipment)

- Clean roughly
- Wash / rinse adapting pressure and temperature
- @ max 100 bars/80°C
- Use washing agent if needed
- Collect effluents



Preparation of the worksite

- Restrict / define access
- Channel traffic
- Protect ground and clean areas
- Signpost the various areas
- After operations, restore to initial conditions



Health and Safety (1)

- Organization
 - Command / alert chains
 - Emergency procedures
 - Briefings
 - Buddy system
- Work environment
 - Climate
 - Flora/fauna
 - Site features
 - Tides...



Health and Safety (2)

- Health
 - Working position
 - Rest cycle
 - Fatigue and stress
 - Hydration
- Equipment and products
 - Proper fuel
 - MSDS
 - Maintenance



Health and Safety (3)

- PPE
 - Prevent contact with oil
 - Prevent noise
 - Prevent falls
 - ...
 - At least non woven-suit, gloves, safety shoes
- Decontamination



Personal Protective Equipment (PPE)



Adapt to operations, oil, working conditions, weather

Daily management (1)

- Daily briefing
- Safety briefing
- Task assignment
- Distribution of PPE and equipment
- Work organisation, rotation of operators, waste sorting



Daily management (2)

- Decontamination
- Equipment storage
- Waste transfer
- Debriefing
- Daily worksite form
- See lectures on management of volunteers



Daily worksite form

ONE SHEET PER WORKSITE

MUNICIPALITY: SITE:

DATE:

to be sent each evening to fax n°: email:

PERSONNEL		TECHNIQUES ⁽²⁾	EQUIPMENT USED			POLLUTED WASTE		ADDITIONAL COMMENTS	EXPECTED REQUIREMENTS FOR NEXT DAY
NUMBER	ORIGIN ⁽¹⁾		QUANTITY	TYPE ⁽³⁾	ORIGIN ⁽¹⁾	QUANTITY _(m3)	NATURE ⁽⁴⁾	INCIDENTS, BREAKDOWNS, TEAM CHANGES	PERSONNEL / EQUIPMENT

ORIGIN ⁽¹⁾		TECHNIQUES ⁽²⁾	TYPE OF EQUIPMENT ⁽³⁾			NATURE OF POLLUTANTS ⁽⁴⁾
Equipment* Municipality Nearby municipalities, fire brigade, stockpile... Civil protection, Army, private* Other*	Personnel* same as equipment + • Local fire brigade • Nearby fire brigades • Municipality reserve • Volunteers	Manual collection Mechanical sand screening Pressure washing	Heavy machinery Earthmoving equipment (e.g. excavator) Farm machinery (e.g. tractor, trailer...) Water supply means Tyrolean traverse, nautical means, Other*	Specialised equipment Booms, skimmer Sand screeners, pressure washers, transfer pump, impact hose Storage: tanks, containers, big bags... suction pumps...	Disposable products Geotextile, sorbents washing agents Other*	Liquids to pastes Heavily polluted solids Lightly polluted solids Polluted stones Polluted sorbents/nets Polluted seaweed Polluted litter

* Specify

- To be filled **daily** by the beachmaster





Keep in mind...

- Safety first
- Roles, chain of command
- Organize the site
- Protect clean areas
- Organize operations
- Keep track of everything you do





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Legal information

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