



Northern
Territory
Government

DEPARTMENT OF PRIMARY INDUSTRY AND FISHERIES

Model Standard Operating Procedure for preparation of **1080 Wild Dog Baits**



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Prepared for the DEPARTMENT OF PRIMARY INDUSTRY AND FISHERIES

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INTRODUCTION

Completion of a Standard Operating Procedure (SOP) and its approval by the Chemicals Coordinator is one of the essential requirements for the issue of a *1080 Bait Injection Authorisation*. The Bait Injector's SOP needs to address the scope and elements listed below and any of the material in this document (particularly the checklists as provided in Section 15 - Attachments 3, 4 and 5) can be referenced, extracted and utilised within that SOP.

SCOPE

The SOP is required to ensure that there are procedures in place for the safe, responsible and secure handling of 1080 concentrate.

The following must be covered:

- transport and storage of 1080 concentrate,
- preparation of fresh meat baits,
- storage, and distribution of prepared baits to distributors,
- maintenance and calibration of injection equipment,
- checks that must be carried out before, during and after bait preparation, and
- record keeping.

1080 concentrate refers to ACTA 1080 Concentrate® or PAKS 1080 Concentrate® for vertebrate pest animal control and any other 1080 concentrate registered by the Australian Pesticides and Veterinary Medicines Authority (APVMA) for preparation of freshly cured meat baits for wild dogs.

This Standard Operating Procedure (SOP) shall not contravene any of the following:

- directions for use on the Registered Product Label,
- *Direction for Use of 1080 for Pest Animal Control*,
- APVMA permit number: PER8781 – Permit for Supplying A Perishable Bait Treated With a Registered Chemical Product (see Section 15 - Attachment 2),
- *1080 Bait Injection Authorisation*, or
- *Certificate to acquire sodium fluoroacetate concentrate on behalf of a Regional Wild Dog Management Group (RWDMG)*.

ELEMENTS

1 1080 BAIT INJECTOR-Qualification and Requirements

- 1.1 To prepare 1080 meat baits without fee or reward for an approved RWDMG Baiting Plan, the person must hold a *1080 Bait Injection Authorisation* issued by the NT Department of Primary Industry and Fisheries (DPIF).
- 1.2 To qualify for a *1080 Bait Injection Authorisation* the following training is required:
 - a) chemical accreditation (AusChem level 3, ChemCert level 3 or SMARTtrain level 3)
 - b) completion of the additional unit required to hold a *1080 User Authorisation* [Unit: AHCVPT302A - Implement a Vertebrate Pest Control Program – NT version].
 - c) completion of *1080 Bait Injection Authorisation* training course, and
 - d) development of a SOP for 1080 fresh meat bait preparation.

- 1.3 The bait injector must, at all times, comply with any applicable Northern Territory legislation.

2 PURCHASE OF 1080 CONCENTRATE

The amount of 1080 concentrate that can be purchased will be determined and indicated within the proposal to conduct a RWDMG Baiting Plan.

The Primary Bait Injector listed on the RWDMG Baiting Plan can only purchase the amount of 1080 allocated to them in the proposal approved for the RWDMG Baiting Plan.

3 SAFETY

1080 is highly toxic. **There is no known antidote.** It is important to note that 5 ml of a 1080 concentrate product containing 30 g/l of 1080 chemical is sufficient to kill a 75 kg human.

The following is a list of the safety requirements all of which must be strictly followed when using 1080 concentrate products:

- 3.1 Operators should never work alone. Persons assisting shall be familiar with the use, toxicity, safety requirements and emergency procedures in case of an accident.
- 3.2 Personal Protection Equipment (PPE) [see Section 5.7] must be worn at all times whilst handling the concentrate, injecting solution, baits and during cleaning of equipment likely to be contaminated by 1080.
- 3.3 When handling 1080, always work in an area with a plentiful and readily available supply of water for emergency washing and as a minimum always have available a large bucket of fresh water next or very close to the injector whilst undertaking any injection activities.
- 3.4 Operators should never smoke, eat or drink while handling 1080. Hands, arms and other areas of the body that may have had contact with the chemical should be washed thoroughly with soap and water before eating, drinking or smoking.
- 3.5 Food or drink must not be present in the bait preparation area or any area likely to be contaminated with 1080.
- 3.6 No persons other than those preparing baits are to be in the bait preparation areas.
- 3.7 No dogs or other domestic animals are allowed in the bait preparation areas.

4 FACILITIES

- 4.1 Location and Construction of Storage Facilities for 1080 products

[Refer Australian Standard AS2507]

4.1.1 NT Department of Health requirements – no specific requirements

4.1.2 Local Government requirements – contact local Shire Council

4.1.3 APVMA permit number PER8781 - requirements for the container holding injected baits (extracted from Section 15 - Attachment 2):

- a) be impervious to, and incapable of chemical reaction with, its contents when under conditions of temperature and pressure that are likely to be encountered in normal service; and

- b) have sufficient strength and impermeability to prevent leakage of its contents during handling, transport and storage under normal handling conditions; and
- c) if it is intended to be opened more than once - be able to be securely and readily closed and reclosed; and
- d) have sufficient excess capacity to prevent it from breaking if its contents expand during handling, transport or storage; and
- e) enable all or any part of its contents to be removed or discharged in such a way that, with the exercise of no more than reasonable care, the contents cannot:
 - (i) harm any person; or
 - (ii) have an unintended effect that is harmful to the environment.

4.1.4 DPIF requirements for concentrate storage

- a) a secure lockable container or cabinet within a lockable and secure facility used exclusively for the storage of chemicals. Access to the locked cabinet shall be restricted to persons holding the *1080 Bait Injection Authorisation*.
- b) foodstuffs, or feed stuffs, or equipment, or packaging used for storage or preparation of foodstuffs or feedstuffs must not be stored in this facility.

4.2 Facility for storage of bait material prior to treatment

- a) The facility will be suitable to store bait material at temperatures to prevent their deterioration before they are used to prepare baits.

4.3 Facility for temporary storage of prepared baits

- a) Where prepared baits cannot be used immediately they can be stored in a secure facility for use on the following day or if being transported to another area or property, they must be kept in a locked container which is securely attached to the vehicle but is outside the cab and away from any foodstuffs or domestic pets.
- b) It must be a secure lockable facility kept at a temperature to prevent unacceptable deterioration before they are distributed. This facility is used only for the TEMPORARY storage of prepared meat baits.
- c) This facility will be clearly marked as being only for the temporary storage of prepared 1080 baits.
- d) Access is restricted to persons holding a current *1080 Bait Injection Authorisation* and, after responsibility for the baits has been transferred, to persons holding a current *1080 User Authorisation*.
- e) Foodstuffs, or feed stuffs, or equipment, or packaging used for storage or preparation of foodstuffs or feedstuffs must not be stored in this facility.

4.4 Facility for storage of preparation equipment

- a) Equipment used to store, measure and apply 1080 concentrate must be stored in a clean and secure lockable container or cabinet within a lockable and secure facility used exclusively for the storage of pesticides. Access to this container is restricted only to persons holding a *1080 Bait Injection Authorisation*.

- b) Equipment used to mix and handle baits can be stored in a facility away from food and feedstuffs after being thoroughly washed free of bait and 1080 residues. Such equipment must not be used in such a way as to come in contact with or contaminate food or feedstuffs or water used for drinking or washing of animals or persons.

4.5 Location and construction of bait preparation facility

- a) Preparation of baits shall not be carried out within 150 m of any dwelling.
- b) A supply of water suitable for washing and decontamination must be immediately and readily available.
- c) The work area must be secure from animals and unauthorised persons during the process and until decontaminated.
- d) The preparation table or mesh for injecting meat baits should be at a convenient height and constructed of impermeable material and easy to clean or disposable at the completion of the operation.
- e) The general work area is to be clean and free of unnecessary objects.
- f) The general work area is to be capable of being decontaminated after use.

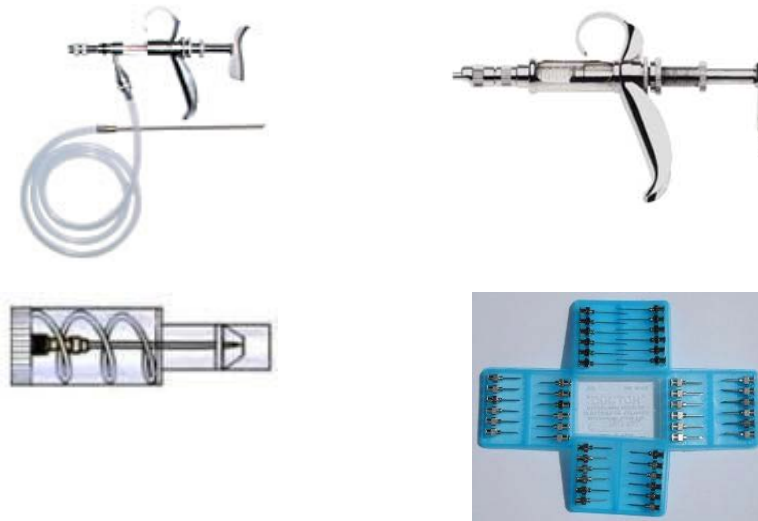
4.6 Wash area facilities

- a) A supply of emergency wash shall be immediately and readily available to all preparation areas where 1080 concentrate and prepared material is present.
- b) A supply of wash water sufficient to thoroughly decontaminate all preparation areas and equipment during and after use shall be available.
- c) Large buckets and/or basins, without holes or other leaks, for the transport of water in and around the preparation areas and equipment shall be available.
- d) A supply of suitable soap or detergent for washing shall be available.

4.7 Equipment service area

- a) Should be a clean area equipped with a supply of water and cleansing agents suitable for decontaminating and cleaning of equipment used in the process.
- b) This area should be located within the general preparation area.

5 EQUIPMENT



The following requirements for the 1080 injecting equipment and backup are considered essential or highly desirable:

- 5.1 Leak proof automatic injection guns in good order and condition, suitable for the purpose should be used. Metal framed injection guns (as used for stock immunisation) are appropriate. Plastic guns are not strong enough for meat injection.
- 5.2 These injection guns should be leak proof, and able to accurately and effectively deliver 0.2 ml of 1080 solution to the centre of the bait. They must be reliable, safe to use and preferably with a splash guard and a device to prevent accidental injection. [An example of a suitable unit is the Phillips 1 ml Vaccinator]
- 5.3 Short 16 gauge needles suitable for use with vaccinating guns are to be used.
- 5.4 The injecting equipment will be clean at commencement of the bait injection process and thoroughly washed free of contamination at the completion of the bait injecting process.
- 5.5 Injecting equipment that enables the 1080 concentrate container to be connected directly to the injection gun is highly preferred. Unused 1080 concentrate solution shall be returned to the transport vessel (Section 6.1) and the amount used must be recorded as well as the number of baits injected.
- 5.6 Equipment for checking and calibrating the volume delivered by the injection gun (as specified by the injection gun manufacturer) should be available. Injection equipment is inspected, checked for correct operation and calibrated using clean water to deliver 0.2 ml (+/- 5%) per shot. A measuring cylinder manufactured to ISO/DIN CLASS A with 0.1 ml graduations is the minimal acceptable specification for calibration. Calibration should be done before the start of injection of bait material and similarly, after any blockage or repair.
- 5.7 Personal Protective Equipment (PPE)

PPE suitable for the job must be worn when handling 1080 concentrate or products containing 1080. For more information please refer to the NT WorkSafe Bulletin which can be found at this website:

<http://www.worksafe.nt.gov.au/Bulletins/HealthAndSafetyTopics/Hazardous%20Chemicals%20and%20Dangerous%20Goods/15.05.12.pdf>

The PPE shall be:

- a) Worn at all times during bait preparation and when handling 1080 concentrate or prepared baits.
- b) Consistent with label and safety requirements.
- c) Adequate to protect the operator from contamination by the 1080 concentrate or 1080 prepared product during the whole process.
- d) Clean at the commencement of the injection process and thoroughly washed free of contamination at the completion of the job.
- e) As a minimum the PPE stated in the Safety Directions of the 1080 concentrate label **MUST** be used and directions followed: e.g. long sleeve overalls or long sleeved shirt buttoned at the wrist.
- f) PPE must include: a mesh or puncture resistant glove to be worn during the injection of meat baits, and preferably should include the following: hat; nitrile or PVC gloves and apron; overalls; waterproof boots; and full-face shield or protective glasses.
- g) A spare set of clothes and shoes is essential.
- h) Dirty and contaminated PPE should be bagged and washed separately.

5.8 Bait mixing and handling equipment

- a) Equipment shall be adequate for purpose.
- b) Bait handling containers shall be suitable for the purpose and meet labelling and identification requirements as per Section 7.2.10.



6 TRANSPORT

6.1 1080 concentrate

Must be transported only in a suitably robust and labelled container within a secure and locked container outside the cab of the vehicle until ready to use.

The label must have the words **DANGEROUS POISON – 1080** (in bold Arial font – 48 point minimum) clearly printed on it.

6.2 Injecting Equipment and measuring equipment

Shall be clean and free of all 1080 residues during storage or transport and shall be transported separately and in such a way as not to be contaminated with 1080 during transport.

6.3 Personal Protective Equipment (PPE)

Shall be clean and free of all 1080 residues during storage or transport and shall be transported separately and in such a way as not to be contaminated with 1080 during transport.

6.4 Other equipment that has come in contact with 1080 products

Shall be clean and free of all 1080 residues during storage or transport and shall be transported separately and in such a way as not to be contaminated with 1080 during transport.

6.5 Freshly prepared wet meat baits

When transported, for example: between properties or on public roads, the baits must be transported in a secure, enclosed and locked container that will prevent loss or unauthorised access and have the words **DANGEROUS POISON – 1080** (in bold Arial font – 48 point minimum) on the outside of the container.

7 WET MEAT BAIT PREPARATION

7.1 Quantities of wet meat baits produced

- a) Only the number of baits approved on the RWDMG Baiting Plan shall be prepared. Unused injected baits must be disposed of according to the instructions on the Registered Product Label.
- b) Ensure that there is sufficient 1080 concentrate to prepare the required number of wet meat baits. At the completion of the job, record the volume of 1080 concentrate used and the number of baits prepared in a 1080 Bait Injector Record.

7.2 Preparation of wet meat baits by injection:

7.2.1 Personal Protective Equipment (PPE) is to be worn at all times when handling 1080 concentrate and the prepared baits.

7.2.2 Meat bait pieces should be prepared to the correct specification (Section 15 - Attachment 1) and should already be in the bait preparation area before beginning any injections.

7.2.3 The bait preparation area is to be clean and secure.

7.2.4 Injection equipment is inspected, checked for correct operation and calibrated using clean water to deliver 0.2 ml (+/- 5%) per shot. A measuring cylinder manufactured to ISO/DIN CLASS A with 0.1 ml graduations is the minimal acceptable specification for calibration.

7.2.5 Injection equipment is connected to the 1080 concentrate container.

7.2.6 Containers for prepared baits are available within the secure bait preparation area.

7.2.7 Heavy gauge nitrile or PVC gloves must be worn during the bait preparation process. For extra protection to the hand holding the baits, a

chain mail half glove must be worn over the glove to protect against needle prick.

7.2.8 Inject baits with 0.2 ml of 1080 concentrate per bait piece. This will give 6 mg of 1080 active constituent per bait.

7.2.9 If baits are to be used for aerial baiting ONLY, then they can be allowed to further air cure for one to two days in order to ensure a better seal on the 1080 concentrate within the bait (this additional time is part of the preparation and is not considered storage).

7.2.10 Place injected baits immediately into suitable containers:

- a) If for immediate use, this may be plastic or metal tubs or buckets.
- b) If baits are to be stored for later use the container must be suitably labelled, secured and sealed. The label shall record all of the following:
 - **DANGEROUS POISON – 1080** (in bold Arial font – 48 point minimum)
 - date prepared
 - number of baits
 - person preparing the bait.
 - the injector's Authorisation number
 - preparation method.

7.2.11 Once the Bait Injector has transferred baits to a 1080 Authorised User, it is the Authorised User and 1080 PAMA and Permit holders responsibility to ensure that baits are used within requisite timeframes, refer to Section 10.5 of the *Direction of Use for 1080 Pest Animal Control*. Freezing of baits for later use is NOT ALLOWED under any circumstance.

7.2.12 Access to prepared baits is restricted to persons with a current *1080 User Authorisation*.

7.2.13 Storage of prepared baits must be in a secure, locked storage and at temperatures which prevent deterioration of the baits before their use.

8 STORAGE

8.1 1080 concentrate:

- a) The concentrate product must be stored in the original container as supplied by the manufacturer and with a legible APVMA product label attached.
- b) It must be stored in a secure lockable container or a cabinet within a lockable and secure facility used exclusively for the storage of pesticides.
- c) The facility must be locked at all times when not in use.
- d) Access to the secure, lockable container is restricted to persons with a current *1080 User Authorisation* only.
- e) The 1080 concentrate must be stored such that it cannot contaminate any foodstuffs, or feed stuffs, or equipment, or packaging used for storage or preparation of foodstuffs or feedstuffs.

8.2 Storage of prepared baits:

- a) If for immediate use then the baits or bait material shall be placed in tubs, bags or other suitable containers and secured from unauthorised persons or access by animals until distributed in the field.

- b) If for later use on the property or transported to another property, the prepared baits must be packaged in suitably labelled, secure and sealed containers. The label shall record the information as required in Section 7.2.10.b) above. The suitably labelled containers or packages of prepared baits shall be stored in the facility described in Section 4.3 above, for no more than 2 days, and maintained at a temperature to prevent deterioration before use.

8.3 Storage of preparation and handling equipment:

- a) Equipment used to mix and handle baits can be stored in a facility away from food and feedstuffs after being thoroughly washed free of bait and 1080 residues.
- b) Such equipment shall not be used in such a way as to come in contact with or contaminate food or feedstuffs or water used for drinking or washing of animals or persons.

8.4 Maintenance and calibration of equipment:

- a) Injection equipment shall be maintained according to the manufacturer's instructions and securely stored such that only the authorised person has access. It shall be calibrated to an accuracy of better than +/- 5% before each injecting event.
- b) The equipment should be used exclusively for 1080 bait injection operations.

9 DISTRIBUTION

- 9.1 Baits shall only be supplied to persons with a current *1080 User Authorisation* and the photo id of the person actually collecting the baits.
- 9.2 The details of the required documentation as described in 7.1.b) above shall be recorded in the *1080 Bait Injector Record*.
- 9.3 The person supplying the baits must be satisfied that the baits will be transported from the site of preparation to the site of use in the required manner.

10 CLEANING AND HYGIENE

10.1 The general work area and equipment is to be:

- a) inspected clean and free of contamination before commencement of the work, and
- b) cleaned and decontaminated immediately after use.

10.2 All equipment used in the bait preparation activity is to be cleaned and decontaminated immediately at the completion of the injection activity.

10.3 Washing, cleaning and decontamination will be performed using soap or detergent with copious quantities of clean water.

10.4 Materials that cannot be successfully decontaminated should be destroyed or buried as per Section 11.

11 DISPOSAL

11.1 1080 concentrate -

Do not dispose of 1080 concentrate. If you need to dispose of 1080 concentrate, phone the Chemical Services Section - Phone: 08 8999 2272, or arrange disposal through ChemClear – Phone: 1800 008 182 or www.chemclear.com.au

11.2 1080 empty containers -

- a) Triple rinse empty containers before burial in a local authority landfill.
- b) If no landfill is available, bury the containers below 0.5 metres in a disposal pit specifically marked and set for the purpose and well clear of waterways.
- c) Do not re-use containers.

11.3 Baits and 1080 contaminated materials -

Unused baits or 1080 contaminated materials may be destroyed by burning or deep burial as per label instructions.

11.4 Non contaminated materials -

May be disposed of through conventional waste disposal.

12 ACCIDENTS:

In the event of an accident involving the 1080 concentrate refer to Section 10.6 of the Direction for Use of 1080 for Pest Animal Control which is available on the Chemicals Services Section website: www.chemicalservices.nt.gov.au.

13 DOCUMENTATION:

All of the following must be carried by the Authorised 1080 Bait Injector during bait preparation:

- a) label of 1080 concentrate,
- b) Material Safety Data Sheet (MSDS) for the 1080 concentrate,
- c) personalised SOP,
- d) *1080 Bait Injection Authorisation*,
- e) details or copies of other relevant authorisations and permits,
- f) Operational Checklist, see Attachment 3,
- g) *1080 Bait Injector Record*, and
- h) photo id.

14 RECORDS

Records must be made and will include all of the following:

- a) a record of all purchases of 1080 concentrate - quantity purchased, date collected, supplier details and product name,
- b) records of 1080 concentrate used – 1080 concentrate used in baits, 1080 concentrate retained, 1080 concentrate spoiled,
- c) freshly cured wet meat baits produced –
 - date prepared,
 - number of baits prepared,
 - full name of person(s) preparing baits,
 - *1080 Bait Injection Authorisation* number,
 - preparation method, and
 - each batch of baits prepared will have a unique batch and lot number.

The records must be signed, dated and kept for a minimum two years after the expiry date of their current *1080 Bait Injection Authorisation*.

15 AUDITS

The Chemicals Coordinator, or persons authorised by him/her, may audit the RWDMG Baiting Plan and its operations at any time to ensure that the operational aspects and

the records are in accordance with the *Agricultural and Veterinary Chemicals (Control of Use) Act*. If you are audited and are found to have not followed your personalised SOP your *1080 Bait Injection Authorisation* may be revoked and other penalties may apply.

Parks and Wildlife Commission staff may also inspect the operation at any time to ensure that the conditions of the *Permit to Take Protected Wildlife* are being adhered to.

16 ATTACHMENTS

- Attachment 1: Preparation of meat for wild dog baits.
- Attachment 2. APVMA Permit number *PER8781 – Permit for supplying a perishable bait treated with a registered chemical product.*
- Attachment 3. Operational checklist.
- Attachment 4. Preparation of the baiting site and site safety checklist.
- Attachment 5. Briefing to persons assisting in bait preparation checklist.

ATTACHMENT 1: PREPARATION OF MEAT FOR WILD DOG BAITS

Freshly cured wet meat baits of 250 g (300-500 ml), cured on the surface by air drying for 6-8 hours and injected with 0.2 ml of the 1080 concentrate into the centre of the bait will produce a bait containing 6 mg of 1080, which is sufficient to kill an adult wild dog.

- (1) Fresh, sound meat of any of the following is suitable:
 - cattle, horse, donkey, camel, goat or pig
 - horse or donkey meat is considered most attractive
 - meat which has been frozen and thawed for use is not as good as fresh meat in terms of attractiveness to target animals or longevity in the field. Frozen or part frozen meat is not suitable.
- (2) The meat must be essentially free of bone, sinew and fat. Bone and sinew cannot hold the 1080 poison and fat will melt or render in the heat when the bait is laid and will rapidly become unattractive.
- (3) Bait pieces should ideally be beer can sized (300-500 ml) but no less than 300 ml. This should be the meat content of the bait without bone or fat present in the meat piece.
- (4) Meat pieces should be cured in the shade on open, well ventilated wire racks before injection with 1080 concentrate. Curing promotes the development of a dry skin which prevents leakage of 1080 concentrate when injected. In the average NT conditions 6 – 8 hours should be sufficient time to cure the meat prior to injecting, in humid conditions this may take longer.
- (5) Cured meat bait pieces must be presented for injection on wire drying racks or in suitable containers.

ATTACHMENT 2: APVMA PERMIT NUMBER PER8781



**Australian Pesticides &
Veterinary Medicines Authority**

PERMIT FOR SUPPLYING A PERISHABLE BAIT TREATED WITH A REGISTERED CHEMICAL PRODUCT

Explanatory note:

A number of vertebrate pest poison products are declared by the *Agricultural and Veterinary Chemicals Code Regulations 1995* to be restricted chemical products (RCPs). This includes but is not limited to baits containing or treated with sodium monofluoroacetate (1080).

By law, restricted chemical products may only be supplied to, and/or used by, a person who is authorised to use the product under a law of their jurisdiction ie. an “authorised person”.¹ Currently the authorisations for these product types at the State level has the effect that the concentrate product is sold/supplied to the “authorised person” (which can be an entity), who applies the poison concentrate to the bait substrate in accordance with the products label directions. The authorised person may then either apply (lay) the bait in accordance with the approved label instructions for the concentrate product, or supply the prepared bait to the landholder (or other person) for laying the baits. The bait substrate used in these situations is typically a highly perishable item (eg fresh meat, carrot etc).

The ready-to-use bait containing the vertebrate pest poison is a chemical product that would, but for this permit, require registration under the Agvet Codes. Without this permit it would be an offence against the Agvet Codes for a person to possess, supply and use the unregistered bait.

IMPORTANT: A person must not supply, or cause or permit 1080 baits to be supplied, to a person who is not authorised to use the baits under a law of the relevant jurisdiction. This permit does not and cannot provide that authorisation – contact your state agricultural authority for information about who holds such authorisation or how to obtain it

PERMIT NUMBER 8781

This permit is issued under section 114 of the Agvet Codes.

This instrument permits any person who is authorised under a law (other than the Agvet Code of their jurisdiction) to do the following things in respect of unregistered baits containing sodium monofluoroacetate (also known as 1080) for use as a vertebrate pest poison:

- (a) Have in their possession or custody for the purposes of supply the bait, to the extent to that such possession or custody would be an offence under section 75 of the Agvet Codes;

¹ See section 94 of the Agricultural and Veterinary Chemicals Code which is the schedule to *the Agricultural and Veterinary Chemicals Code Act 1994 (Cth)*.

- (b) Subject to the conditions below, supply or cause or permit to be supplied, the bait in a container with a label securely attached to the container, to the extent that such supply would be an offence under section 78 of the Agvet Codes;
- (c) Use the bait in accordance with the instructions provided in accordance with (b) above*.

CONDITIONS

1. The supplier of the bait must inform the user (the person to whom the prepared bait is being supplied) that the bait may only be used in accordance with the instructions that are supplied with the bait and which are consistent with the terms of this permit.
2. The container must meet the following specifications:
 - (a) be impervious to, and incapable of chemical reaction with, its contents when under conditions of temperature and pressure that are likely to be encountered in normal service; and
 - (b) have sufficient strength and impermeability to prevent leakage of its contents during handling, transport and storage under normal handling conditions; and
 - (c) if it is intended to be opened more than once - be able to be securely and readily closed and reclosed; and
 - (d) have sufficient excess capacity to prevent it from breaking if its contents expand during handling, transport or storage; and
 - (e) enable all or any part of its contents to be removed or discharged in such a way that, with the exercise of no more than reasonable care, the contents cannot:
 - (i) harm any person; or
 - (ii) have an unintended effect that is harmful to the environment.
3. The text of the label must include all instructions, warnings and other information given on the approved label of the chemical product used in the manufacture of the bait (with the exception of those parts of the label relating to preparation of the baits). This includes but is not limited to the Dangerous Poison signal heading, product name, active constituent name, restricted chemical product statement, directions for use of the bait (including bait placement instructions and distance and notification requirements), precaution statements, protection statements, storage and disposal instructions, safety directions and first aid instructions.

This permit remains in force from 10 February 2006 until it is suspended or cancelled.

.....
 Dr Eva Bennet-Jenkins
 Program Manager, Pesticides Program
 DATED: 10 February 2006

***The baits to which this permit applies are restricted chemical products. A person must not supply, or cause or permit the baits to be supplied, to a person who is not authorised to use the baits under a law of the relevant jurisdiction. A person wishing to use the baits must be authorised under a law of the relevant jurisdiction. This permit does not and cannot provide that authorisation – contact your state agricultural authority for information about who holds such authorisation and how to obtain it.**

ATTACHMENT 3: OPERATIONAL CHECKLIST

1. Before I even go to the site:
 - Is all the paperwork in order?
 - Do I have enough 1080 concentrate to complete the job?
 - Do I have a copy of the MSDS for the 1080 concentrate?
 - Do I have the Poison Information hotline phone number in case of accident?
 - Is the 1080 injection kit complete and do I have a contents list?
 - Has my injection equipment been calibrated?
 - Will there be enough suitable meat cut up and prepared when I arrive?
 - Will there be anyone there with a current *1080 User Authorisation* to accept and sign for the prepared baits?
2. When I arrive at the site:
 - Is there enough suitable meat cut up and prepared?
 - Is there anyone there with a current *1080 User Authorisation* to accept, sign for and then distribute the prepared baits?
 - Is the site of preparation suitable?
 - Are there enough containers for the prepared baits?
 - Is there enough support equipment available?
3. Before I commence injecting:
 - Have I set up and checked my PPE?
 - Have I set up wash water and sufficient water to wash equipment?
 - Have I got a large bucket of fresh water to keep next to me when injecting?
 - Is there an emergency water supply?
 - Have I set up and checked my injecting gear?
 - Do I have my procedure in place and the equipment to clear needle blockages?
 - Check the site for safety issues?
 - When am I going to have a break and a drink?
 - Provide a safety briefing to those who will assist me.
4. Injecting procedure:
 - Is all the PPE fitted and working?
 - Is the injecting gun charged with 1080 and working correctly?
 - Is my needle unblocking procedure working?
 - If necessary, am I going to have a break and a drink?
5. At the completion of bait injection:
 - Have the agreed number of baits been prepared?
 - Have I emptied the gun and secured the unused 1080 concentrate in its container?
 - Have I washed and decontaminated the PPE and the injection equipment and hung it to dry?
 - Have I secured the decontaminated and dried equipment back in the injecting kit box?
 - Has the *1080 PAMA and Permit* holder and the holder of a *1080 User Authorisation* signed for receipt of the treated baits?
 - Have I recorded all the required information in the 1080 Bait Injector Record?
6. After completion of the baiting:
 - Have I advised baiting group contact?
 - Do I have enough 1080 concentrate for the next job?
 - Is my injecting gear clean and in good working order?

ATTACHMENT 4: PREPARATION OF THE BAITING SITE AND SITE SAFETY CHECKLIST

This check list will contain the items for you to assess to ensure that the site is suitable to work in safely. This needs to be included in your personalised SOP.

ATTACHMENT 5: **BRIEFING TO PERSONS ASSISTING WITH BAIT PREPARATION CHECKLIST**

Check list for a safety briefing of persons assisting in the bait preparation process under the direct supervision of the person holding the *1080 Bait Injection Authorisation*. This check list is to assist the Authorised person in control of the process to brief persons who will be assisting in the bait preparation process.

Persons assisting should be familiar and be briefed on the risks involved, the use, the toxicity, safety requirements and the emergency procedures in case of an accident.

- (1) Explain the process before you begin and identify the risks to all persons who will be assisting
- (2) Explain clearly what is expected of them
- (3) Ensure that the assisting persons understand the briefing.
- (4) Explain what the MSDS is and where it is located in case of an accident.

Items covered in the briefing should include:

- (1) Dangers associated with 1080 concentrate and the prepared baits
 - a) 1080 is highly toxic.
 - b) **There is no known antidote.**
 - c) That 5 ml of a 1080 concentrate product containing 30 g/l of 1080 chemical is sufficient to kill a 75 kg human.
- (2) Operators should never work alone
- (3) Only persons who hold a *1080 Bait Injection Authorisation* are allowed to inject baits
- (4) Safety equipment must be worn at all times whilst handling the concentrate, injecting the concentrate, handling the injected baits and during cleaning of equipment likely to be contaminated by 1080 (see SOP Section 5.7)
 - a) When handling 1080, always work in an area with a plentiful and readily available supply of water for emergency washing.
 - b) Individuals must not smoke, eat or drink while handling 1080. Hands, arms and other areas that may have had contact with the chemical must be thoroughly washed with soap and water before eating, drinking or smoking or going to the toilet.
 - c) No food or drink will be present in the bait preparation area or any area likely to be contaminated with 1080.
 - d) No dogs or domestic animals are to be present in bait preparation area.
- (5) In the event of a spill of 1080 solution, persons assisting must flood the area with copious quantities of water and follow up by washing all contaminated surfaces with soap or detergent and water.
- (6) In the event of accidental contamination of a person:
 - a) Quickly remove the person from the source of contamination
 - b) Check the procedures and instructions for accidents on the MSDS for the 1080 concentrate.
 - c) Quickly wash all affected areas and clothing etc. free of 1080 with copious quantities of water and then follow up with soap and water washing. This includes the person involved and the person(s) assisting.
 - d) Contact assistance – Dial **000** for Medical assistance. Also call the Poison Information 24 Hour Hotline on **13 11 26**.