

Rural Payments and Inspections Division

2015 – Nitrate Vulnerable Zones (SMR 1)

General Details

Main Location Code

		/				/				
--	--	---	--	--	--	---	--	--	--	--

Business Reference No.

--	--	--	--	--	--	--	--

A. List all location codes **visited** for this report (including MLC if visited)

Origin of inspection (tick appropriate box)

Risk	<input type="checkbox"/>	Question No(s):
Random	<input type="checkbox"/>	
Target	<input type="checkbox"/>	

B. Notice of inspection (1= unannounced, 0-3 hrs; 2= 3-24 hrs; 3= 24-48 hrs; 4= >48 hrs)

If 2, 3 or 4 please give reason for notice

C. Date of Inspection

		/				/		
--	--	---	--	--	--	---	--	--

D. Person(s) present at or involved in this inspection

RPID	FARMER / AGENT

LAND INSPECTION: Nitrate Vulnerable Zone Questions

1. Risk Assessment for Manures & Slurries (RAMS map)

	Yes	No
1.1 Does the farm keep livestock or import organic manures? If Yes, answer questions 1.2 to 1.4 and 2.1 to 2.4	<input type="checkbox"/>	<input type="checkbox"/>
1.2 Was a RAMS map available?	<input type="checkbox"/>	<input checked="" type="checkbox"/> S1.A1
1.3 Are all surface waters, no spread areas and high risk areas correctly identified?	<input type="checkbox"/>	<input checked="" type="checkbox"/> S1.A1
1.4 If No to 1.3, has actual pollution been caused as a result?	<input type="checkbox"/>	<input type="checkbox"/>

2. Land Application of Organic Manures

	Yes	No
2.1 Is there any visible evidence that organic manures have been applied to land that is: <ul style="list-style-type: none"> • Identified as "NO SPREAD" • Within 10 metres of ANY surface water • Within 50 metres of any well or borehole etc used for water supply • Frozen, waterlogged, flooded or snow covered 	<input checked="" type="checkbox"/> S1.B3	<input type="checkbox"/>
2.2 Is there any visible evidence that organic manures have been applied in a location or manner that makes it likely that fertiliser will enter any surface water?	<input checked="" type="checkbox"/> S1.B3	<input type="checkbox"/>
2.3 Is there any visible evidence that organic manures have been allowed to enter a watercourse?	<input checked="" type="checkbox"/> S1.B3	<input type="checkbox"/>
2.4 Is there any visible evidence that organic manures have been applied inaccurately to land?	<input checked="" type="checkbox"/> S1.B3	<input type="checkbox"/>

3. Field Middens / Heaps used to Store Solid Manures

	Yes	No
3.1 Does the Farm use field middens / heaps to store solid manures? If Yes, answer questions 3.2 to 3.7	<input type="checkbox"/>	<input type="checkbox"/>
3.2 Are field midden / heap locations identified on the RAMS map?	<input type="checkbox"/>	<input checked="" type="checkbox"/>
		S1.A1
3.3 Is there any visible evidence of non-solid manures being stored in field heaps or middens?	<input checked="" type="checkbox"/>	<input type="checkbox"/>
	S1.B2	
3.4 Are field middens / heaps located within 10 metres of any surface water?	<input checked="" type="checkbox"/>	<input type="checkbox"/>
	S1.B2	
3.5 Are field middens / heaps located within 50 metres of any well or borehole etc used as a water supply?	<input checked="" type="checkbox"/>	<input type="checkbox"/>
	S1.B2	
3.6 Is there any evidence that any field middens / heaps have been in situ for more than 12 months or a previous midden / heap site having been reused within the 24 month non return period?	<input checked="" type="checkbox"/>	<input type="checkbox"/>
	S1.B2	
3.7 Is there any visible evidence that poultry manures (not mixed with litter) has been stored in a field heap without being covered with a waterproof cover sheet or similar?	<input checked="" type="checkbox"/>	<input type="checkbox"/>
	S1.B2	

4. Silage Field Heaps

	Yes	No
4.1 Does the farm use field heaps to store silage? If Yes, answer question 4.2	<input type="checkbox"/>	<input type="checkbox"/>
4.2 Is silage (except wrapped or bagged silage) being stored on a permeable base i.e. in a field heap?	<input checked="" type="checkbox"/>	<input type="checkbox"/>
	S1.A5	

5. Land Application of Inorganic (Chemical) Nitrogen Fertilisers

	Yes	No
5.1 Does the Farm use chemical / inorganic fertilisers?	<input type="checkbox"/>	<input type="checkbox"/>
If Yes, answer questions 5.2 to 5.6		
5.2 Is there any visible evidence that inorganic / chemical nitrogen fertiliser has been applied during a closed period? (see flash card for dates).	<input checked="" type="checkbox"/>	<input type="checkbox"/>
	S1.A4	
5.3 Is there any visible evidence that inorganic / chemical fertilisers have been applied in a location or manner that makes it likely that fertiliser will enter any surface water?	<input type="checkbox"/>	<input type="checkbox"/>
	S1.B3	
5.4 Is there any visible evidence that inorganic / chemical fertilisers have been applied to land that is frozen, waterlogged, flooded or snow covered?	<input type="checkbox"/>	<input type="checkbox"/>
	S1.B3	
5.5 Is there any visible evidence that inorganic / chemical fertilisers have been allowed to enter a watercourse?	<input type="checkbox"/>	<input type="checkbox"/>
	S1.B3	
5.6 Is there any visible evidence that inorganic / chemical nitrogen fertiliser has been applied inaccurately to land?	<input type="checkbox"/>	<input type="checkbox"/>
	S1.B3	

6. Land Application of Organic manures with High Available Nitrogen Content (slurries, poultry manures or sewage sludge)

	Yes	No
6.1 Does the Farm use organic manures with high available N content (slurries, poultry manures or sewage sludge)?	<input type="checkbox"/>	<input type="checkbox"/>
If Yes, answer questions 6.2 to 6.5		
6.2 Is there any visible evidence that organic manures with high available nitrogen content has been applied during a closed period other than for defined exceptions? (see flash card for dates and definitions and exceptions).	<input checked="" type="checkbox"/>	<input type="checkbox"/>
	S1.A4	

<p>6.3 Is there any visible evidence that organic manures with high available nitrogen content have been applied to land that is:</p> <ul style="list-style-type: none"> • Identified as "NO SPREAD" • Within 10 metres of ANY surface water • Within 50 metres of any well or borehole etc used for water supply • Frozen, waterlogged, flooded or snow covered 	<table border="1"> <tr> <th style="text-align: center;">Yes</th> <th style="text-align: center;">No</th> </tr> <tr> <td style="text-align: center;"><input type="checkbox"/></td> <td style="text-align: center;"><input type="checkbox"/></td> </tr> </table>	Yes	No	<input type="checkbox"/>	<input type="checkbox"/>
Yes	No				
<input type="checkbox"/>	<input type="checkbox"/>				
	<div style="border: 1px solid black; padding: 2px; text-align: center;">S1.B3</div>				
<p>6.4 Is there any visible evidence that slurry has been applied to land by means of a high trajectory splash plate? (except on growing arable crops)?</p>	<table border="1"> <tr> <th style="text-align: center;">Yes</th> <th style="text-align: center;">No</th> </tr> <tr> <td style="text-align: center;"><input type="checkbox"/></td> <td style="text-align: center;"><input type="checkbox"/></td> </tr> </table>	Yes	No	<input type="checkbox"/>	<input type="checkbox"/>
Yes	No				
<input type="checkbox"/>	<input type="checkbox"/>				
	<div style="border: 1px solid black; padding: 2px; text-align: center;">S1.B1</div>				
<p>6.5 Is there any visible evidence that organic manures with high available nitrogen has been applied inaccurately to land?</p>	<table border="1"> <tr> <th style="text-align: center;">Yes</th> <th style="text-align: center;">No</th> </tr> <tr> <td style="text-align: center;"><input type="checkbox"/></td> <td style="text-align: center;"><input type="checkbox"/></td> </tr> </table>	Yes	No	<input type="checkbox"/>	<input type="checkbox"/>
Yes	No				
<input type="checkbox"/>	<input type="checkbox"/>				
	<div style="border: 1px solid black; padding: 2px; text-align: center;">S1.B3</div>				

E. Land inspector's comments on land elements

.....

.....

.....

.....

.....

.....

.....

.....

**Land Inspectors
signature -** _____
Name - _____
 (BLOCK CAPITALS)

Date - _____

NITRATE VULNERABLE ZONES: INSPECTION REPORT

SECTION 1-GENERAL

Fertiliser and Manure Management Plan

	Yes	No
1.1 Has a Fertiliser and Manure Management plan been prepared containing sufficient information to assess compliance with all aspects of the NVZ Action Plan Regulations?	<input type="checkbox"/>	<input checked="" type="checkbox"/>
		S1.A2

Nmax

	Yes	No
1.2 Is an Nmax calculation present for all crop types grown on farm excluding rough grazings and forestry?	<input type="checkbox"/>	<input checked="" type="checkbox"/>
		S1.A1

	Yes	No
1.3 Do all fields appear on an Nmax calculation, including any cropped land that is rented out (excluding seasonal land rented in and fields used exclusively for rough grazing, forestry or agri options that do not allow fertiliser application)?	<input type="checkbox"/>	<input checked="" type="checkbox"/>
		S1.A1

	Yes	No
1.4 Has there been a breach of the Nmax limit for a crop type?	<input checked="" type="checkbox"/>	<input type="checkbox"/>
	S1.B4	

	Yes	No
1.5 Has the Nmax been correctly calculated for each crop type grown?	<input type="checkbox"/>	<input checked="" type="checkbox"/>
		S1.A1

1.6 If you have answered **NO** to 1.5 What element or component of the farmers calculation was incorrect?

(Tick appropriate box from choices below)

1. Previous crop

2. Soil type

3. Available N from planned organic manure applications incorrectly assessed

4. Inappropriate/unjustifiable use of adjustment factors

5. Other (specify below) e.g. incorrect standard N figure

<input type="checkbox"/>
<input type="checkbox"/>
<input type="checkbox"/>
<input type="checkbox"/>
<input type="checkbox"/>

.....

.....

SECTION 2 - INORGANIC (CHEMICAL) NITROGEN FERTILISERS

		Yes	No
2.1	Does the Farm use chemical / inorganic fertilisers? If Yes, answer questions 2.2 to 2.3 below	<input type="checkbox"/>	<input type="checkbox"/>

Fertiliser Inventory		Yes	No
2.2	Is a record of chemical fertilisers brought onto farm used on farm and retained on farm?	<input type="checkbox"/>	<input checked="" type="checkbox"/>
			S1.A2

Closed Period		Yes	No
2.3	Has any chemical nitrogen fertiliser been applied during the closed period relevant to the farms NVZ location and cropping?	<input checked="" type="checkbox"/>	<input type="checkbox"/>
		S1.A4	

SECTION 3 - ORGANIC MANURE

Imports and exports of organic manures		Yes	No
3.1	Does the farm import and / or export organic manures? If Yes, answer question 3.2	<input type="checkbox"/>	<input type="checkbox"/>
3.2	Is a record available of organic manures imported and exported to/from the farm including all relevant details?	<input type="checkbox"/>	<input checked="" type="checkbox"/>
			S1.A2

250 kg N/ha field application limit for organic manures (other than compost)		Yes	No
3.3	Does the Farm keep livestock and / or import organic manures? If Yes, answer question 3.4	<input type="checkbox"/>	<input type="checkbox"/>
3.4	Is the farm compliant with the 250 kg N/ha individual field limit on all fields which received organic manure applications? (the total nitrogen content of all organic manures (other than compost) did not exceed the 250kg N/ha individual field limit within any 12 month period).	<input type="checkbox"/>	<input checked="" type="checkbox"/>
			S1.A6

500 kg N/ha field application limit for Compost

	Yes	No
3.5 Does the farm apply compost to any fields? (Compost must comply with the PAS 100:2011 BSI specification and must not contain livestock manure)	<input type="checkbox"/>	<input type="checkbox"/>
If Yes, answer question 3.6		
	Yes	No
3.6 Is the farm compliant with the 500 kg N/ha individual field limit on all fields which received compost applications? (the total nitrogen content of all organic manure applications (including compost) did not exceed the 500kg N/ha individual field limit within any 24 month period).	<input type="checkbox"/>	<input checked="" type="checkbox"/>
		S1.A6

SECTION 4 - ORGANIC MANURES WITH HIGH AVAILABLE NITROGEN CONTENT

	Yes	No
4.1 Does the Farm use organic manures with high available N content (slurries, poultry manures or sewage sludge)?	<input type="checkbox"/>	<input type="checkbox"/>
If Yes, answer questions 4.2 to 4.5		

Closed Periods for organic manures with high available nitrogen content

	Yes	No
4.2 Has organic manure with high available N content been applied during the closed period relevant to the farms cropping and soil type?	<input checked="" type="checkbox"/>	<input type="checkbox"/>
	S1.A4	
	Yes	No
4.3 Is there evidence that organic manure with high available nitrogen content has been applied to bare land or stubble during July, August or September? (if it has there must be evidence that a crop was sown within 6 weeks of the first application)	<input type="checkbox"/>	<input type="checkbox"/>
	Yes	No
4.4 If Yes to 4.3, is there evidence to show that a crop was sown within 6 weeks of the first application?	<input type="checkbox"/>	<input checked="" type="checkbox"/>
		S1.A4
	Yes	No
4.5 Is there evidence that the business has breached the closed period quantitative restrictions?	<input checked="" type="checkbox"/>	<input type="checkbox"/>
	S1.A4	

SECTION 5 - LIVESTOCK

		Yes	No
5.1	Does the Farm keep livestock?	<input type="checkbox"/>	<input type="checkbox"/>
If Yes, complete questions 5.1 to 5.14			

NVZ Livestock Records		Yes	No
5.2	Does the business keep and maintain NVZ livestock records detailing:	<input type="checkbox"/>	<input type="checkbox"/>
	1. The number of livestock kept on farm	<input type="checkbox"/>	<input checked="" type="checkbox"/>
			S1.A2
	2. The species and type of livestock kept on farm	<input type="checkbox"/>	<input checked="" type="checkbox"/>
			S1.A2
	3. The length of time livestock are kept on farm	<input type="checkbox"/>	<input checked="" type="checkbox"/>
			S1.A2

Livestock Manures		Yes	No
5.3	Is there evidence that livestock manures have been applied to any area of the farm within three weeks of a previous application?	<input checked="" type="checkbox"/>	<input type="checkbox"/>
			S1.A4
5.4	If YES to 5.3, did the repeat application cause actual pollution or create a risk of pollution to the water environment?	<input type="checkbox"/>	<input type="checkbox"/>

170 kg N/ha/year loading limit for livestock manure		Yes	No
5.5	Is the business compliant (working within) the 170 kg/N/ha (or 250 kg/N/ha for derogated farms) loading limit for livestock manure?	<input type="checkbox"/>	<input checked="" type="checkbox"/>
			S1.A6

Slurry Storage

		Yes	No
5.6	Does the holding produce and / or store slurry? If Yes, answer questions 5.7 to 5.11	<input type="checkbox"/>	<input type="checkbox"/>
5.7	Is an assessment of slurry production and storage capacity present?	<input type="checkbox"/>	<input checked="" type="checkbox"/> S1.A1
5.8	Is the slurry production and storage calculation correct?	<input type="checkbox"/>	<input checked="" type="checkbox"/> S1.A2
5.9	Does the business have sufficient slurry storage for the appropriate 22/26 week period?	<input type="checkbox"/>	<input checked="" type="checkbox"/> S1.A3
5.10	Are the current slurry storage facilities structurally sound, free from defects?	<input type="checkbox"/>	<input checked="" type="checkbox"/> S1.A5
5.11	Are there any visible leaks from any slurry storage facility?	<input checked="" type="checkbox"/> S1.A5	<input type="checkbox"/>

Organic Manure – Permanent storage facilities for FYM

		Yes	No
5.12	Does the farm store FYM (including livestock house)? If Yes, answer questions 5.13 to 5.14	<input type="checkbox"/>	<input type="checkbox"/>
5.13	Do permanent FYM storage facilities have an impermeable floor surface?	<input type="checkbox"/>	<input checked="" type="checkbox"/> S1.A5
5.14	Do permanent, unroofed/uncovered FYM stores have facilities to collect run off?	<input type="checkbox"/>	<input checked="" type="checkbox"/> S1.A5

SECTION 6 - SILAGE STORAGE

		Yes	No
6.1	Does the Farm make and store silage?	<input type="checkbox"/>	<input type="checkbox"/>
If Yes, answer questions 6.2 to 6.4			

Silage Storage		Yes	No
6.2	Are the current silage storage facilities structurally sound, free from defects?	<input type="checkbox"/>	<input checked="" type="checkbox"/>
			S1.A5
6.3	Are there any visible leaks from any silage storage facility?	<input type="checkbox"/>	<input checked="" type="checkbox"/>
			S1.A5
6.4	Is the silage (except wrapped or bagged silage) being stored on an impermeable base and any effluent is being collected?	<input type="checkbox"/>	<input checked="" type="checkbox"/>
			S1.A5

Summary of Breach Findings

Requirement breached & Question number (e.g. SMR 1 – 3.2)	Intent Negligent/ Intentional	Extent On farm/ Off farm	Severity Very low/Low/ Medium/High	Permanence Rectifiable/ Permanent	Reoccurrence 1 st offence/ 2 nd offence/ 3 rd offence

F. Inspector’s comments

.....

.....

.....

.....

.....

.....

.....

.....

Inspector’s signature - **Date -**

Name -

(BLOCK CAPITALS)

G. Applicant / representative’s comments

.....

.....

.....

.....

.....

Applicant’s signature - **Date -**

Name -

(BLOCK CAPITALS)