

**PROJECT NAME:** PROJECT (TRIGGER) >15mm of Rainfall\_20130909 LIMITED

**LICENSEE:** MURRUMBIDGEE IRRIGATION

**PUBLISHED DATE:** 26/09/2013

**LICENCE:** EPL4651

**SAMPLED DATE:** 17/09/2013

LOCATION	ANALYTE	RESULT	UNITS	NOTIFICATION LEVEL	ACTION LEVEL
YMS	Turbidity	142.9	NTU	-	-
YMS	Nitrite + Nitrate as N	1.20	mg/L	-	-
YMS	Total Kjeldahl Nitrogen as N	2.2	mg/L	-	-
YMS	Total Nitrogen as N	3.4	mg/L	-	-
YMS	Total Phosphorus as P	0.16	mg/L	-	-
YMS	Simazine	6.66	µg/L	3.2	11
YMS	Diuron	0.690	µg/L	1*	5*
YMS	Atrazine	0.247	µg/L	13	45
YMS	Molinate	<0.005	µg/L	3.4	14
YMS	Metolachlor	<0.005	µg/L	0.02	0.1
YMS	Malathion	<0.002	µg/L	0.5	0.2
YMS	Diazinon	<0.005	µg/L	0.01	0.2
YMS	Thiobencarb	<0.005	µg/L	2.8	4.6
YMS	Chlorpyrifos	<0.005	µg/L	0.01	0.11
YMS	Trifluralin	<0.010	µg/L	2.6	4.4
YMS	Endosulfan	-	µg/L	0.03	0.2

LEGEND	
XX	Notification Level
XX	Action Level

Note: \*Notification and Action levels for Diuron were set at 1 µg/L and 5 µg/L respectively. These interim levels were negotiated with Murrumbidgee Irrigation Limited to allow a phased introduction of the new levels and for industry to develop and refine management options for future use and management of Diuron in accordance with EPL4651.

LOCATION	ANALYTE	RESULT	UNITS	NOTIFICATION LEVEL	ACTION LEVEL
GMSSR	Turbidity	63.9	NTU	-	-
GMSSR	Nitrite + Nitrate as N	0.74	mg/L	-	-

GMSSR	Total Kjeldahl Nitrogen as N	4.8	mg/L	-	-
GMSSR	Total Nitrogen as N	5.5	mg/L	-	-
GMSSR	Total Phosphorus as P	0.15	mg/L	-	-
GMSSR	Simazine	0.553	µg/L	3.2	11
GMSSR	Diuron	<0.005	µg/L	1*	5*
GMSSR	Atrazine	0.011	µg/L	13	45
GMSSR	Molinate	<0.005	µg/L	3.4	14
GMSSR	Metolachlor	<0.005	µg/L	0.02	0.1
GMSSR	Malathion	<0.002	µg/L	0.5	0.2
GMSSR	Diazinon	<0.005	µg/L	0.01	0.2
GMSSR	Thiobencarb	0.011	µg/L	2.8	4.6
GMSSR	Chlorpyrifos	<0.005	µg/L	0.01	0.11
GMSSR	Trifluralin	<0.010	µg/L	2.6	4.4
GMSSR	Endosulfan	-	µg/L	0.03	0.2

LOCATION	ANALYTE	RESULT	UNITS	NOTIFICATION LEVEL	ACTION LEVEL
GMSSP	Turbidity	115.8	NTU	-	-
GMSSP	Nitrite + Nitrate as N	1.02	mg/L	-	-
GMSSP	Total Kjeldahl Nitrogen as N	1.8	mg/L	-	-
GMSSP	Total Nitrogen as N	2.8	mg/L	-	-
GMSSP	Total Phosphorus as P	0.10	mg/L	-	-
GMSSP	Simazine	35.0	µg/L	3.2	11
GMSSP	Diuron	52.6	µg/L	1*	5*
GMSSP	Atrazine	1.9	µg/L	13	45
GMSSP	Molinate	<0.005	µg/L	3.4	14
GMSSP	Metolachlor	<0.005	µg/L	0.02	0.1
GMSSP	Malathion	<0.002	µg/L	0.5	0.2
GMSSP	Diazinon	<0.005	µg/L	0.01	0.2
GMSSP	Thiobencarb	<0.005	µg/L	2.8	4.6

GMSSP	Chlorpyrifos	<0.005	µg/L	0.01	0.11
GMSSP	Trifluralin	<0.010	µg/L	2.6	4.4
GMSSP	Endosulfan	-	µg/L	0.03	0.2

LOCATION	ANALYTE	RESULT	UNITS	NOTIFICATION LEVEL	ACTION LEVEL
MDJWE	Turbidity	119.74	NTU	-	-
MDJWE	Nitrite + Nitrate as N	<0.01	mg/L	-	-
MDJWE	Total Kjeldahl Nitrogen as N	0.6	mg/L	-	-
MDJWE	Total Nitrogen as N	0.6	mg/L	-	-
MDJWE	Total Phosphorus as P	0.7	mg/L	-	-
MDJWE	Simazine	0.028	µg/L	3.2	11
MDJWE	Diuron	<0.005	µg/L	1*	5*
MDJWE	Atrazine	<0.005	µg/L	13	45
MDJWE	Molinate	<0.005	µg/L	3.4	14
MDJWE	Metolachlor	<0.005	µg/L	0.02	0.1
MDJWE	Malathion	<0.002	µg/L	0.5	0.2
MDJWE	Diazinon	<0.005	µg/L	0.01	0.2
MDJWE	Thiobencarb	<0.005	µg/L	2.8	4.6
MDJWE	Chlorpyrifos	<0.005	µg/L	0.01	0.11
MDJWE	Trifluralin	<0.010	µg/L	2.6	4.4
MDJWE	Endosulfan	-	µg/L	0.03	0.2

LOCATION	ANALYTE	RESULT	UNITS	NOTIFICATION LEVEL	ACTION LEVEL
MIRMCN	Turbidity	107.0	NTU	-	-
MIRMCN	Nitrite + Nitrate as N	0.62	mg/L	-	-
MIRMCN	Total Kjeldahl Nitrogen as N	1.6	mg/L	-	-
MIRMCN	Total Nitrogen as N	2.2	mg/L	-	-
MIRMCN	Total Phosphorus as P	0.09	mg/L	-	-

MIRMCN	Simazine	0.605	µg/L	3.2	11
MIRMCN	Diuron	0.932	µg/L	1*	5*
MIRMCN	Atrazine	0.164	µg/L	13	45
MIRMCN	Molinate	<0.005	µg/L	3.4	14
MIRMCN	Metolachlor	0.102	µg/L	0.02	0.1
MIRMCN	Malathion	<0.002	µg/L	0.5	0.2
MIRMCN	Diazinon	<0.005	µg/L	0.01	0.2
MIRMCN	Thiobencarb	<0.005	µg/L	2.8	4.6
MIRMCN	Chlorpyrifos	<0.005	µg/L	0.01	0.11
MIRMCN	Trifluralin	<0.010	µg/L	2.6	4.4
MIRMCN	Endosulfan	-	µg/L	0.03	0.2

LOCATION	ANALYTE	RESULT	UNITS	NOTIFICATION LEVEL	ACTION LEVEL
WS	Turbidity	40.6	NTU	-	-
WS	Nitrite + Nitrate as N	3.06	mg/L	-	-
WS	Total Kjeldahl Nitrogen as N	2.0	mg/L	-	-
WS	Total Nitrogen as N	5.1	mg/L	-	-
WS	Total Phosphorus as P	0.07	mg/L	-	-
WS	Simazine	2.21	µg/L	3.2	11
WS	Diuron	<0.005	µg/L	1*	5*
WS	Atrazine	0	µg/L	13	45
WS	Molinate	<0.005	µg/L	3.4	14
WS	Metolachlor	<0.005	µg/L	0.02	0.1
WS	Malathion	<0.002	µg/L	0.5	0.2
WS	Diazinon	<0.005	µg/L	0.01	0.2
WS	Thiobencarb	<0.005	µg/L	2.8	4.6
WS	Chlorpyrifos	<0.005	µg/L	0.01	0.11
WS	Trifluralin	<0.010	µg/L	2.6	4.4
WS	Endosulfan	-	µg/L	0.03	0.2

LOCATION	ANALYTE	RESULT	UNITS	NOTIFICATION LEVEL	ACTION LEVEL
ROCUDG	Turbidity	43.4	NTU	-	-
ROCUDG	Nitrite + Nitrate as N	<0.01	mg/L	-	-
ROCUDG	Total Kjeldahl Nitrogen as N	0.4	mg/L	-	-
ROCUDG	Total Nitrogen as N	0.4	mg/L	-	-
ROCUDG	Total Phosphorus as P	<0.01	mg/L	-	-
ROCUDG	Simazine	0.021	µg/L	3.2	11
ROCUDG	Diuron	<0.005	µg/L	1*	5*
ROCUDG	Atrazine	<0.005	µg/L	13	45
ROCUDG	Molinate	<0.005	µg/L	3.4	14
ROCUDG	Metolachlor	<0.005	µg/L	0.02	0.1
ROCUDG	Malathion	<0.002	µg/L	0.5	0.2
ROCUDG	Diazinon	<0.005	µg/L	0.01	0.2
ROCUDG	Thiobencarb	<0.005	µg/L	2.8	4.6
ROCUDG	Chlorpyrifos	<0.005	µg/L	0.01	0.11
ROCUDG	Trifluralin	<0.010	µg/L	2.6	4.4
ROCUDG	Endosulfan	-	µg/L	0.03	0.2