Attachment 12

Operational Risk Management Procedure



CONEXA TopCo Pty Ltd

ACN 616 144 471

CIP-IMS-DOC-027 Operational Risk Management



Version Number	Version Date	Approved By	Status	Next Revision Date
0.1	3 July 2023	N/A	Draft	N/A
1.0	15 August 2023	Risk and Compliance Officer	Superseded	15 August 2026
1.1	26 October 2023	Risk and Compliance Officer	Released	26 October 2026

Document Owner: Risk and Compliance Officer

Document Reviewer: QHSE Coordinator

Document Approver: Risk and Compliance Officer



Contents

1.	Purpose	4
••		
2.	Abbreviations and definitions	4
3.	Scope	4
4.	Roles and responsibilities	5
	4.1 Management	5
	4.2 Workers	
	4.3 Operational risk management flowchart	5
	4.4 High risk work	6
	4.5 Contractors	
5.	Related documents	6
6	Additional resources	7
υ.	Auuiliuiai 1530ui 653	<i>1</i>



1. Purpose

coNEXA Infrastructure Partners (coNEXA) is committed to the health and safety of all personnel in the workplace. The purpose of this procedure is to define systems and processes to be utilised by employees to manage risks at an operational level.

2. Abbreviations and definitions

Contractor means a PCBU and its workers (including subcontractors and its workers), that are engaged by coNEXA for the purpose of performing work or providing a service under a contractual agreement

Control means taking action to eliminate risks so far as is reasonably practicable, and if that is not possible, minimising the risks so far as is reasonably practicable

Hazard Identification is the process of recognising that a hazard exists and defining its characteristics

Hazard means a situation or thing that has the potential to harm a person, damage property, damage the environment, damage the business, affect the quality of a product or service, or a combination of these

Hazardous Manual Task means a task requiring a person to lift, lower, push, pull, carry or otherwise move, hold or restrain any person, animal or thing involving one of more of the following:

- High or sudden force (physically demanding work, jerky or unexpected movements)
- Exposure to vibration (driving over rough terrain, using impact tools)
- Repetitive movement (using the same parts of the body to repeat similar movements over a period of time)
- Repetitive or sustained force (using force repeatedly or applying force continually over a period of time)
- Sustained or awkward posture (part of the body is kept in the same position for a prolonged period or postures that are unbalanced, asymmetrical or require extreme angles, bending and twisting)

High risk work is anything documented as a potential hazard on IMS document *CIP-IMS-FORM-007 SWMS template* and / or 'high risk construction work' in accordance with WHS legislation

IMS is the abbreviation for 'Integrated Management System'

Non-hazardous Manual Task means a task that does not meet the definition of Hazardous Manual Task. For example, a workplace visit to undertake a visual inspection only; as soon as any work is commenced that would meet the definition of Hazardous Manual Task, the task is no longer a Nonhazardous Manual Task (ie using tools, accessing gauges / valves)

Non-operational Control Site means a site where coNEXA conducts work exclusively under the QHSE policies / procedures of a client

Operational Control Site means a site where coNEXA have autonomous or semi-autonomous control over the QHSE policies / procedures used to conduct coNEXA operations at that site

QHSE is the abbreviation for 'Quality, Health and Safety and Environment'

Risk Assessment is a systematic process which involves identifying, analysing, and controlling hazards and risks present in a situation or a place

Risk means the effect of uncertainty on objectives which could result in a positive (opportunity) or negative (threat) outcome

Workplace means any premises or place where a person performs works, including coNEXA offices and operational control sites

Scope

This procedure applies to all coNEXA employees.

Note: Contractors working for coNEXA must work under their own QHSE management systems.



4. Roles and responsibilities

4.1 Management

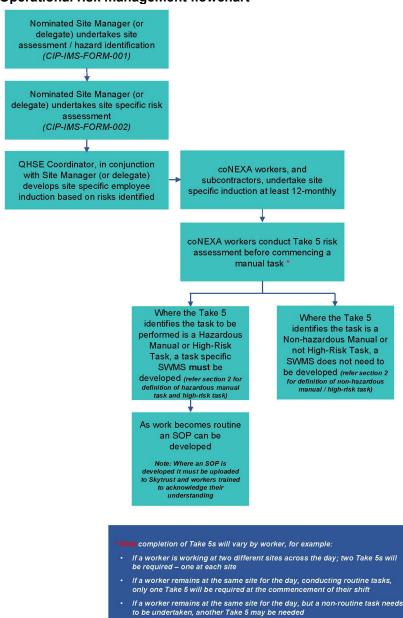
Management must ensure that all reasonably foreseeable risks are identified in the area(s) of the business they are responsible for. Further information regarding general management responsibilities is contained in IMS document CIP-IMS-DOC-011 Enterprise risk management framework.

Management responsibilities in relation to operational risk management are shown in the flow chart below.

4.2 Workers

Workers must only perform tasks which have been risk assessed in accordance with the below flowchart.

4.3 Operational risk management flowchart





SWMS and SOPs must:

- List all job steps in sequence to complete an activity
- Identify the hazards (risks) of each job step
- Provide an initial risk level before risk controls have been put in place
- Identify the risk controls required to mitigate and / or minimise the risk
- Provide a final risk level once risk controls have been put in place
- Identify who is responsible for controlling the risk
- Be signed by the workers undertaking the work to ensure they understand the hazards (risks) and the controls
- Have an area where new hazards identified can be recorded and additional sign-off by workers to acknowledge the changes
- Additionally, where an SOP has been developed from a SWMS, training records will be maintained

4.4 High risk work

Where tasks undertaken within coNEXA are considered to be 'high risk' they may have their own procedure developed. Workers are required to comply with the requirements of the procedure and associated risk assessment protocols.

For example, energy isolation requires the completion of IMS documents CIP-IMS-FORM-HS-003 Energy Isolation Permit and CIP-IMS-FORM-HS-005 Energy isolation lock / tag removal form.

4.5 Contractors

coNEXA has a duty of care to ensure that contractors and subcontractors are provided with a safe environment to work and that all foreseeable risks for the work they are to perform are identified, assessed and controlled as far as is reasonably practicable.

In this regard, the site risk assessment shall be shared with the contractors engaged to perform works at an Operational Control Site. The relevant manager must also ensure the contractor has implemented their own QHSE systems for the tasks they perform at an Operational Control Site.

Further information regarding contractor management is contained with IMS documents CIP-IMS-DOC-QA-003 Supplier account procedure and CIP-IMS-DOC-FIN-001 Procurement policy.

5. Related documents

The following document templates are to be used:

- Hazard identification using IMS form, CIP-IMS-FORM-001 Site assessment / hazard identification
- Site specific risk assessment using IMS template, CIP-IMS-FORM-002 Risk register template
- Take 5, using the Take 5 template in Skytrust (Note: the Take 5 is to be completed before any task (hazardous or non-hazardous) is undertaken)
- Safe Work Method Statement (SWMS) (for Hazardous Manual Tasks) using IMS template, CIP-IMS-FORM-007 SWMS Template
- Safe Operating Procedure (SOP) (for routine Hazardous manual Tasks) using IMS template, CIP-IMS-FORM-013 SOP template



6. Additional resources

- CIP-IMS-DOC-011 Enterprise risk management framework
- CIP-IMS-DOC-QA-003 Supplier account procedure
- CIP-IMS-DOC-FIN-001 Procurement policy
- WHS Codes of Practice:
 - SafeWork SA Code of Practice: How to manage work health and safety risks, June 2020
 - New South Wales Government Code of Practice: How to manage Work Health and Safety Risks, August 2019
 - WorkSafe Western Australia Code of Practice: How to manage work health and safety risks, May 2022
 - NT WorkSafe Code of Practice: How to manage work health and safety risks, January 2020



Lightsview ReWater Supply Co Pty Ltd

ACN 156 161 867

LRSC-IMS-DOC-004 Lightsview Asset Management Plan



Contents

1.	Executive summary and introduction	4	
	1.1 Water Utilities Australia	4	
	1.2 The Lightsview ReWater Scheme	4	
	1.3 Related documents	5	
2.	Definitions	5	
3.	Asset description		
	3.1 Recycled water supply main	5	
	3.2 Lightsview scheme storage tank	5	
	3.3 Lightsview scheme pump station	6	
	3.4 Calcium hypochlorite dosing system	6	
	3.5 Lightsview scheme distribution network	6	
	3.6 Council reserves external to Lightsview	7	
4.	Operational responsibilities	7	
5.	Levels of service	7	
6.	Demand and capability	8	
7.	Reliability and maintenance	8	
	7.1 Risk assessment	9	
	7.2 Maintenance plans	9	
	7.3 Long term asset planning	10	
8.	Plan improvement and monitoring	10	



WBWC-IMS-DOC-007

Willunga Basin Water Co Pty Ltd

ABN 49 081 133 619

WBWC-IMS-DOC-007 SRWRA Recycled Water Storage Operations Environmental Management Plan









WBWC-IMS-DOC-007

Contents

1.	Introduction	4		
	1.1 Project overview	4		
	1.2 Organisational responsibilities	4		
	1.3 Quality management	5		
	1.4 Scope and objectives	5		
	1.5 Supporting documents	6		
2.	Facility overview	6		
	2.1 Site location	6		
	2.2 Facility description	7		
	2.3 Operational overview	7		
3.	Inspection and monitoring activities	8		
	3.1 Inspections	8		
	3.2 Inspection frequencies	9		
	3.3 Routine visual inspections (tri-weekly)	9		
	3.4 Annual intermediate inspections	10		
	3.5 Comprehensive (five-yearly) inspections	11		
4.	Key environmental issues and management	12		
	4.1 Air quality	12		
	4.2 Landscape management	13		
	4.3 Erosion and stormwater management	15		
5.	Recycled water quality	16		
	5.1 Source water quality	16		
	5.2 Monitoring and reporting	18		
	5.3 Short-term evaluation of results	18		
	5.4 Corrective responses	18		
	5.5 Communication	19		
6.	Site safety management	19		
	6.1 Traffic and access management	19		
	6.2 Public safety	20		
	6.3 Operational safety	20		
7.	Midge fly management	21		
	7.1 Primary barrier	21		
	7.2 Secondary barrier	21		
	7.3 Tertiary barrier	21		
	7.4 Contingency plan	22		
	7.5 Inspection frequencies	22		
8.	Complaints management			
9.	Reporting and compliance management2			
10.	Incident and emergency response2			
11.	Site rehabilitation (post operations)			
12.	OEMP monitoring and review			
13.	Communication directory			



RECYCLED WATER QUALITY MANAGEMENT PLAN





TABLE OF CONTENTS

S	ECTION DESCRIPTION		PAGE
1	Background and	Introduction	6
	=	Overview	6
		ent history	6
2	Element 1: Com	mitment to responsible use and management of recycled water quality	7
		ible use of recycled water	7
	2.1.1 Site	e operator	7
	2.1.2 Sch	neme manager	7
	2.1.3 End	dusers	7
	2.2 Regulate	ory and formal requirements	7
	2.3 Partners	hips and engagement of stakeholders	8
	•	d water policy	10
3		ssment of the recycled water system	11
	3.1 Source of	of recycled water, intended uses, receiving environments and routes of exposure	11
		uent source	11
		e catchment	11
		uent quality characteristics	11
		ended uses, receiving environments and exposure	12
		d water system analysis	13
		verage network	13
		et manifold	14
		arse screening	14
		w Balance Tank	15
		e screens	15
		reactors	16
		mbrane filtration disinfection	17 19
		orine disinfection	19
		cycled water storage and distribution	20
		cycled water storage and distribution	20
		S dewatering	21
		emical storage and dosing systems	22
		Il air management	23
		nt sump	24
		mpressed air system	24
		ess recycled water storage lagoon	25
		ergency raw sewage lagoon	25
		goon return flows	26
	_	cycled water distribution network	27
		padacre irrigation	27
		oporting infrastructure	27
	3.3 Assessm	nent of the water quality data	28
	3.4 Hazard i	dentification and risk assessment.	28
4	Element 3: Prev	rentative measures for recycled water management	30
	4.1 Prevent	ative measures and multiple barriers	30
	4.1.1 Coi	ntrol System	30
	4.1.2 Sig	nage and user education	30
	4.1.3 Sys	tem operator's competency	30
		control points	30
5		rational procedures and process control	32
		onal and maintenance procedures	32
		onal monitoring	32
		onal corrections	33
	5.4 Equipme	ent compatibility and maintenance	34



	5.5 Mat	erials and chemicals	34
6	Element 5: \	Verification of recycled water quality and environmental performance	36
	6.1 Rec	ycled water quality monitoring	36
	6.2 App	lication sites and receiving environment monitoring	37
	6.3 Doc	umentation and reliability	37
	6.4 Use	r satisfaction of recycled water	37
	6.5 Sho	rt term evaluation of data	38
	6.6 Corr	rective response	38
7	Element 6:	Management of incidents and emergencies	39
	7.1 Com	nmunication	39
	7.2 Incid	dent and emergency response protocols	39
8	Element 7:	Operator, contractor and user awareness and training	40
	8.1 Awa	areness and training requirements	40
	8.2 Ope	rator, contractor and end user training	41
9	Element 8: 0	Community involvement and awareness	43
	9.1 Con	sultation	43
	9.2 Com	nmunication	43
10	Element	: 9: Validation, Research and development	44
	10.1 Vali	dation process	44
	10.1.1	Process parameters	44
	10.1.2	Onsite validation and monitoring	45
	10.1.3	Verification (ongoing) monitoring	45
	10.2 Des	ign of equipment	46
	10.3 Inve	estigation of studies and research monitoring	46
11	Element	: 10: Documentation and reporting	47
	11.1 Mar	nagement of documentations and records	47
	11.2 Rep	orting	48
		Annual report	48
12		: 11: Evaluation and audit	49
	12.1 Lon	g term evaluation of results	49
	12.2 Aud		49
13	Element	: 12: Review and continuous improvement	50
		iew by senior managers	50
	13.2 Rec	ycled water quality improvement plan	50
14	Referen		51
Apr	endices		52
•	Appendix A	Recycled water management policy	53
	Appendix B	Incident management plans	54
	Appendix C	MEDLI modelling outputs	55
	Appendix D	Process flow diagram	56
	Appendix E	General arrangement drawings	57
	Appendix F	Broadacre irrigation areas	58
	Appendix G	Validation report	59
	Appendix H	Health and environmental risk assessment	60
	Appendix I	Critical and Quality control points	61
	Appendix J	Sampling plan	67
	Appendix K	Training manual	68
	Appendix L	HAZOP	69
	Appendix M		70
	Appendix N	Operations and maintenance manual	70
	Appendix N	operations and maintenance mandal	/1

LIST OF TABLES

Section Description Page



Table 2 – Stakeholder roles and responsibilities	8
Table 3 – Influent characteristics	11
Table 4 – WWTP Log removal values	12
Table 5 – Recycled water quality characteristics	12
Table 6 – Key design information for the coarse screen	14
Table 7 – Key design information for the FBT	15
Table 8 – Key design information for the fine screens	16
Table 9 – Key design information for the bioreactors	17
Table 10 – Key design information for the membrane system	18
Table 11 – Key design information for UV disinfection	19
Table 12 – Key design information for chlorine disinfection	20
Table 13 – Key design information for the recycled water storage and distribution system	20
Table 14 – Key design information for the backpulse tank	21
Table 15 – Key design information for the WAS dewatering system	22
Table 16 – Chemical type, purpose and primary basis for control	22
Table 17 – Key design information for the chemical storage and dosing systems	23
Table 18 – Key design information for the foul air management system	23
Table 19 – Key design information for the plant sump	24
Table 20 – Key design information for the compressed air system	24
Table 21 – Key design information for the excess recycled water storage lagoon	25
Table 22 – Key design information for the emergency raw sewage lagoon	26
Table 23 – Key design information for the lagoon return flow pump set	26
Table 24 – Operational monitoring requirements	32
Table 25 – WWTP verification sampling plan	36
Table 26 – Awareness and training requirements	40
Table 27 – Onsite validation requirements	45
Table 28 – Off-site validation information	46
Table 29 – Reporting frequencies and responsibilities	48

LIST OF FIGURES

SECTION DESCRIPTION	PAGE
Figure 1 - Validation, verification and operational monitoring roles	44

Attachment 14

Lightsview Asset Management Plan



Lightsview ReWater Supply Co Pty Ltd

ACN 156 161 867

LRSC-IMS-DOC-004 Lightsview Asset Management Plan



Contents

1.	Executive summary and introduction	4	
	1.1 Water Utilities Australia	4	
	1.2 The Lightsview ReWater Scheme	4	
	1.3 Related documents	5	
2.	Definitions	5	
3.	Asset description		
	3.1 Recycled water supply main	5	
	3.2 Lightsview scheme storage tank	5	
	3.3 Lightsview scheme pump station	6	
	3.4 Calcium hypochlorite dosing system	6	
	3.5 Lightsview scheme distribution network	6	
	3.6 Council reserves external to Lightsview	7	
4.	Operational responsibilities	7	
5.	Levels of service	7	
6.	Demand and capability	8	
7.	Reliability and maintenance	8	
	7.1 Risk assessment	9	
	7.2 Maintenance plans	9	
	7.3 Long term asset planning	10	
8.	Plan improvement and monitoring	10	

Attachment 15

Willunga Basin Environmental Management Plan



WBWC-IMS-DOC-007

Willunga Basin Water Co Pty Ltd

ABN 49 081 133 619

WBWC-IMS-DOC-007 SRWRA Recycled Water Storage Operations Environmental Management Plan









WBWC-IMS-DOC-007

Contents

1.	Introduction	4		
	1.1 Project overview	4		
	1.2 Organisational responsibilities	4		
	1.3 Quality management	5		
	1.4 Scope and objectives	5		
	1.5 Supporting documents	6		
2.	Facility overview	6		
	2.1 Site location	6		
	2.2 Facility description	7		
	2.3 Operational overview	7		
3.	Inspection and monitoring activities	8		
	3.1 Inspections	8		
	3.2 Inspection frequencies	9		
	3.3 Routine visual inspections (tri-weekly)	9		
	3.4 Annual intermediate inspections	10		
	3.5 Comprehensive (five-yearly) inspections	11		
4.	Key environmental issues and management	12		
	4.1 Air quality	12		
	4.2 Landscape management	13		
	4.3 Erosion and stormwater management	15		
5.	Recycled water quality	16		
	5.1 Source water quality	16		
	5.2 Monitoring and reporting	18		
	5.3 Short-term evaluation of results	18		
	5.4 Corrective responses	18		
	5.5 Communication	19		
6.	Site safety management	19		
	6.1 Traffic and access management	19		
	6.2 Public safety	20		
	6.3 Operational safety	20		
7.	Midge fly management	21		
	7.1 Primary barrier	21		
	7.2 Secondary barrier	21		
	7.3 Tertiary barrier	21		
	7.4 Contingency plan	22		
	7.5 Inspection frequencies	22		
8.	Complaints management			
9.	Reporting and compliance management2			
10.	Incident and emergency response2			
11.	Site rehabilitation (post operations)			
12.	OEMP monitoring and review			
13.	Communication directory			

Attachment 16

RWQMP



RECYCLED WATER QUALITY MANAGEMENT PLAN





TABLE OF CONTENTS

S	ECTION DESCRIPTION		PAGE
1	Background and In	troduction	6
	1.1 Project Ov		6
	1.2 Document		6
2	Element 1: Comm	itment to responsible use and management of recycled water quality	7
		e use of recycled water	7
	2.1.1 Site o	perator	7
	2.1.2 Scher	ne manager	7
	2.1.3 End u	sers	7
	2.2 Regulatory	and formal requirements	7
	2.3 Partnershi	ps and engagement of stakeholders	8
	2.4 Recycled w	vater policy	10
3	Element 2: Assessr	nent of the recycled water system	11
	3.1 Source of r	ecycled water, intended uses, receiving environments and routes of exposure	11
		nt source	11
		atchment	11
		nt quality characteristics	11
		ded uses, receiving environments and exposure	12
		vater system analysis	13
		rage network	13
		manifold	14
		e screening	14
		Balance Tank	15
		creens	15
		actors	16
		brane filtration sinfection	17 19
		ine disinfection	19
		led water storage and distribution	20
		oulse tank	20
	•	dewatering	21
		ical storage and dosing systems	22
		air management	23
	3.2.15 Plant		24
		ressed air system	24
		s recycled water storage lagoon	25
		gency raw sewage lagoon	25
		on return flows	26
	•	led water distribution network	27
	•	lacre irrigation	27
		orting infrastructure	27
	3.3 Assessmen	at of the water quality data	28
	3.4 Hazard ide	ntification and risk assessment.	28
4	Element 3: Preven	tative measures for recycled water management	30
	4.1 Preventati	ve measures and multiple barriers	30
	4.1.1 Contr	ol System	30
	4.1.2 Signa	ge and user education	30
	4.1.3 System	m operator's competency	30
	4.2 Critical cor	·	30
5		ional procedures and process control	32
		al and maintenance procedures	32
		al monitoring	32
		al corrections	33
	5.4 Equipment	compatibility and maintenance	34



	5.5 Mat	erials and chemicals	34
6	Element 5: \	Verification of recycled water quality and environmental performance	36
	6.1 Rec	ycled water quality monitoring	36
	6.2 App	lication sites and receiving environment monitoring	37
	6.3 Doc	umentation and reliability	37
	6.4 Use	r satisfaction of recycled water	37
	6.5 Sho	rt term evaluation of data	38
	6.6 Corr	rective response	38
7	Element 6:	Management of incidents and emergencies	39
	7.1 Com	nmunication	39
	7.2 Incid	dent and emergency response protocols	39
8	Element 7:	Operator, contractor and user awareness and training	40
	8.1 Awa	areness and training requirements	40
	8.2 Ope	rator, contractor and end user training	41
9	Element 8: 0	Community involvement and awareness	43
	9.1 Con	sultation	43
	9.2 Com	nmunication	43
10	Element	: 9: Validation, Research and development	44
	10.1 Vali	dation process	44
	10.1.1	Process parameters	44
	10.1.2	Onsite validation and monitoring	45
	10.1.3	Verification (ongoing) monitoring	45
	10.2 Des	ign of equipment	46
	10.3 Inve	estigation of studies and research monitoring	46
11	Element	: 10: Documentation and reporting	47
	11.1 Mar	nagement of documentations and records	47
	11.2 Rep	orting	48
		Annual report	48
12		: 11: Evaluation and audit	49
	12.1 Lon	g term evaluation of results	49
	12.2 Aud		49
13	Element	: 12: Review and continuous improvement	50
		iew by senior managers	50
	13.2 Rec	ycled water quality improvement plan	50
14	Referen		51
Apr	endices		52
•	Appendix A	Recycled water management policy	53
	Appendix B	Incident management plans	54
	Appendix C	MEDLI modelling outputs	55
	Appendix D	Process flow diagram	56
	Appendix E	General arrangement drawings	57
	Appendix F	Broadacre irrigation areas	58
	Appendix G	Validation report	59
	Appendix H	Health and environmental risk assessment	60
	Appendix I	Critical and Quality control points	61
	Appendix J	Sampling plan	67
	Appendix K	Training manual	68
	Appendix L	HAZOP	69
	Appendix M		70
	Appendix N	Operations and maintenance manual	70
	Appendix N	operations and maintenance mandal	/1

LIST OF TABLES

Section Description Page



Table 2 – Stakeholder roles and responsibilities	8
Table 3 – Influent characteristics	11
Table 4 – WWTP Log removal values	12
Table 5 – Recycled water quality characteristics	12
Table 6 – Key design information for the coarse screen	14
Table 7 – Key design information for the FBT	15
Table 8 – Key design information for the fine screens	16
Table 9 – Key design information for the bioreactors	17
Table 10 – Key design information for the membrane system	18
Table 11 – Key design information for UV disinfection	19
Table 12 – Key design information for chlorine disinfection	20
Table 13 – Key design information for the recycled water storage and distribution system	20
Table 14 – Key design information for the backpulse tank	21
Table 15 – Key design information for the WAS dewatering system	22
Table 16 – Chemical type, purpose and primary basis for control	22
Table 17 – Key design information for the chemical storage and dosing systems	23
Table 18 – Key design information for the foul air management system	23
Table 19 – Key design information for the plant sump	24
Table 20 – Key design information for the compressed air system	24
Table 21 – Key design information for the excess recycled water storage lagoon	25
Table 22 – Key design information for the emergency raw sewage lagoon	26
Table 23 – Key design information for the lagoon return flow pump set	26
Table 24 – Operational monitoring requirements	32
Table 25 – WWTP verification sampling plan	36
Table 26 – Awareness and training requirements	40
Table 27 – Onsite validation requirements	45
Table 28 – Off-site validation information	46
Table 29 – Reporting frequencies and responsibilities	48

LIST OF FIGURES

SECTION DESCRIPTION	PAGE
Figure 1 - Validation, verification and operational monitoring roles	44