

**NRWDI**

NATIONAL RADIOACTIVE WASTE  
DISPOSAL INSTITUTE



# **PRESENTATION TO THE PORTFOLIO COMMITTEE ON MINERALS RESOURCES AND ENERGY:**

## **NRWDI 2018-2019 ANNUAL REPORT**

by:

**Alan Carolissen**  
**Acting Chief Executive Officer**

# PRESENTATION CONTENTS

- **Strategic Overview**
- **Annual Performance Report**
- **Human Resources Report**
- **Annual Financial Report**
- **Concluding remarks**
- **Question & Answers**

# STRATEGIC OVERVIEW



# NATIONAL RADIOACTIVE WASTE DISPOSAL INSTITUTE (NRWDI)

- The National Radioactive Waste Disposal Institute Act (NRWDIA) (Act no. 53 of 2008) became effective on the 1st of December 2009;
- The NRWDIA endorsed the establishment of the National Radioactive Waste Disposal Institute (NRWDI).
- NRWDI is responsible for discharging an institutional ministerial obligation as per Section 1 of Nuclear Energy Act relating to the disposal and related waste management of radioactive waste on a national basis.
- NRWDI wholly owned state entity.
- The governance of the Institute is entrusted to a Board appointed in accordance with the prescripts of the NRWDI Act, with the Minister of Energy being the Executive Authority responsible for NRWDI



## Government Gazette

REPUBLIC OF SOUTH AFRICA

Vol. 523 Cape Town 9 January 2009 No. 31786

THE PRESIDENCY

No. 19 9 January 2009

It is hereby notified that the President has assented to the following Act, which is hereby published for general information—

No. 53 of 2008: National Radioactive Waste Disposal Institute Act, 2008.

# VISION AND MISSION

## VISION

To achieve excellence in the safe management and disposal of radioactive waste in a manner that protects the environment for both current and future generations.

## MISSION

To develop and implement a management approach for the long-term care and disposal of radioactive waste that is safe, technically sound, socially acceptable, environmentally responsible and economically feasible.

# VALUES

## VALUES

NRWDI has adopted the following corporate values, which serve as guiding principles around which its corporate culture and actions are governed and shaped:

NRWDI requires all employees to conduct NRWDI's business activities with honesty, integrity, good judgement and in compliance with all applicable laws and regulations in the best interest of NRWDI and its stakeholders.



# FUNCTIONAL MANDATE OF NRWDI

- Long term management of radioactive waste, including the disposal, on a national basis;
- Operation of the Vaalputs low level waste repository;
- Develop criteria for accepting and disposing radioactive waste;
- Manage, operate and monitor operational radioactive waste disposal facilities;
- Site, design and construct new disposal and related facilities as required;
- Define and conduct research and development aimed at finding solutions for long-term radioactive waste management;
- Provide information on all aspects of radioactive waste disposal to the public in general;
- Maintain a national radioactive waste database;
- Manage ownerless radioactive waste on behalf of the Government; and
- Implement any assignments or directives from the Minister regarding radioactive waste management.



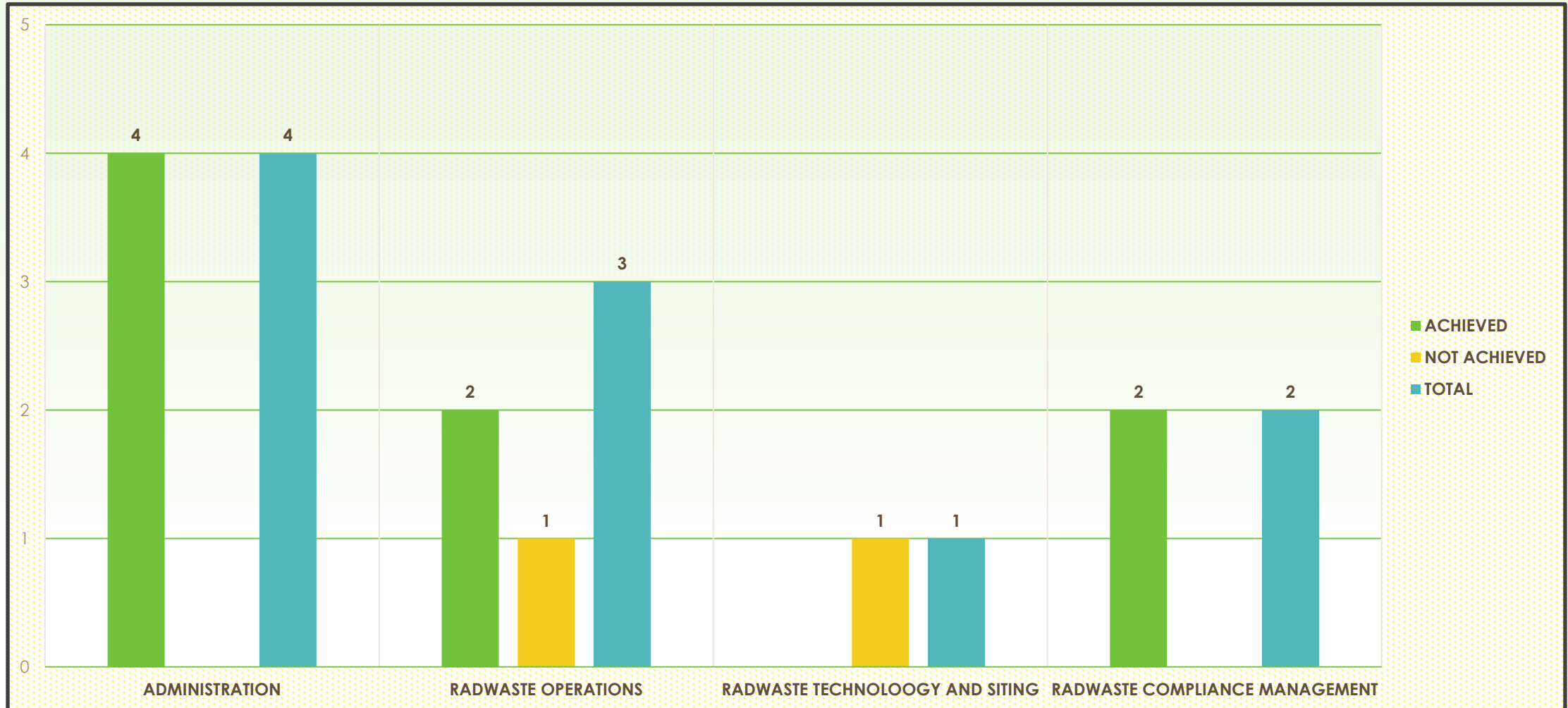
# ANNUAL PERFORMANCE REPORT





# PERFORMANCE INFORMATION

- 80% (8 of 10) of the targets have been achieved for the period under review.



# ACTUAL PERFORMANCE AGAINST TARGETS

Programme	Strategic Objective	Measure	Performance Indicator	Planned target 2018/19	Actual Target 2018/19	Reason for Variance
1- Administration	Improved payment system	Percentage of creditors paid within 30 days	Percentage of creditors paid	100%	<b>Target Achieved</b> 100%	None
1- Administration	Highly motivated team of employees	Number of HR policies developed	Number of HR policies developed	21 policies developed and implemented	<b>Target Achieved</b> 21 policies developed and implemented	None
1- Administration	Good image of NRWDI	Percentage positive feedback from stakeholder surveys	Percentage positive feedback from stakeholder surveys	70% positive feedback from stakeholders	<b>Target Achieved</b> 89.4% positive feedback from stakeholders	NRWDI has the necessary critical mass to provide expert advice to stakeholders
1- Administration	National Radioactive Waste Management System (RAWIS)	Documents and systems	Document detailed system design	Develop and code system	<b>Target Achieved</b> System developed and coded	RAWIS is operational.

# ACTUAL PERFORMANCE AGAINST TARGETS

Programme	Strategic Objective	Measure	Performance Indicator	Planned target 2018/19	Actual Target 2018/19	Reason for Variance
2 - Radwaste Operations	Excellent radioactive waste management and disposal services on a national basis	Percentage of compliance rate	Percentage of compliance rate	80% compliance rate with regards to the annual SHEQ audit	<b>Target Achieved</b> 88.25% compliance rate with regards to the annual SHEQ audit	Highly qualified and vast experienced staff to ensure compliance oversight with nuclear license
2 - Radwaste Operations	Environmentally sound management and disposal of radioactive waste	ISO 9001 and ISO 14001 certification	ISO 9001 and ISO 14001 certification	ISO 9001 and ISO 14001 certification maintained	<b>Target not Achieved</b> ISO 9001 certification maintained according to new ISO 9001:2015 standard. ISO 14001 certification not maintained because recertification based on ISO 14001:2015 new standard has not been finalised	Due to resource constraints by the certification body, the environmental certification based on the new ISO 14001:2015 standard could not be completed notwithstanding the fact that the Vaalputs environmental management system is ISO 14001:2015 compliant.
2 - Radwaste Operations	Transparent waste disposal site management	Number of meetings held (minutes)	Number of meetings held (minutes)	4 VPSIF meetings held	<b>Target Achieved</b> 4 VPSIF meetings held	None

# ACTUAL PERFORMANCE AGAINST TARGETS

Programme	Strategic Objective	Measure	Performance Indicator	Planned target 2018/19	Actual Target 2018/19	Reason for Variance
3 - Radwaste Technology and Siting	Efficient scientific and technical support for development and maintenance of safety cases	Research and development reports	Number of research and development reports	1 Research and Development report compiled	<b>Target not achieved</b> Report is still to be completed	The development of the R&D plan depends of joint agreement with stakeholders on the types of wastes to be disposed of and negotiations with waste generators in this regard are still ongoing and therefore R&D report could not be completed in this time frame.
4- Radwaste Compliance Management	Quality Management System	Percentage of system completed	Percentage of quality management system completed	100% of the quality management system completed	<b>Target Achieved</b> 100% of the quality management system completed	None
4- Radwaste Compliance Management	Nuclear Installation Licence	Nuclear Installation Licence	Percentage of nuclear installation licence developed	50% of the nuclear installation licence developed	<b>Target Achieved</b> 50% of the nuclear installation licence developed.	None

# HUMAN RESOURCES



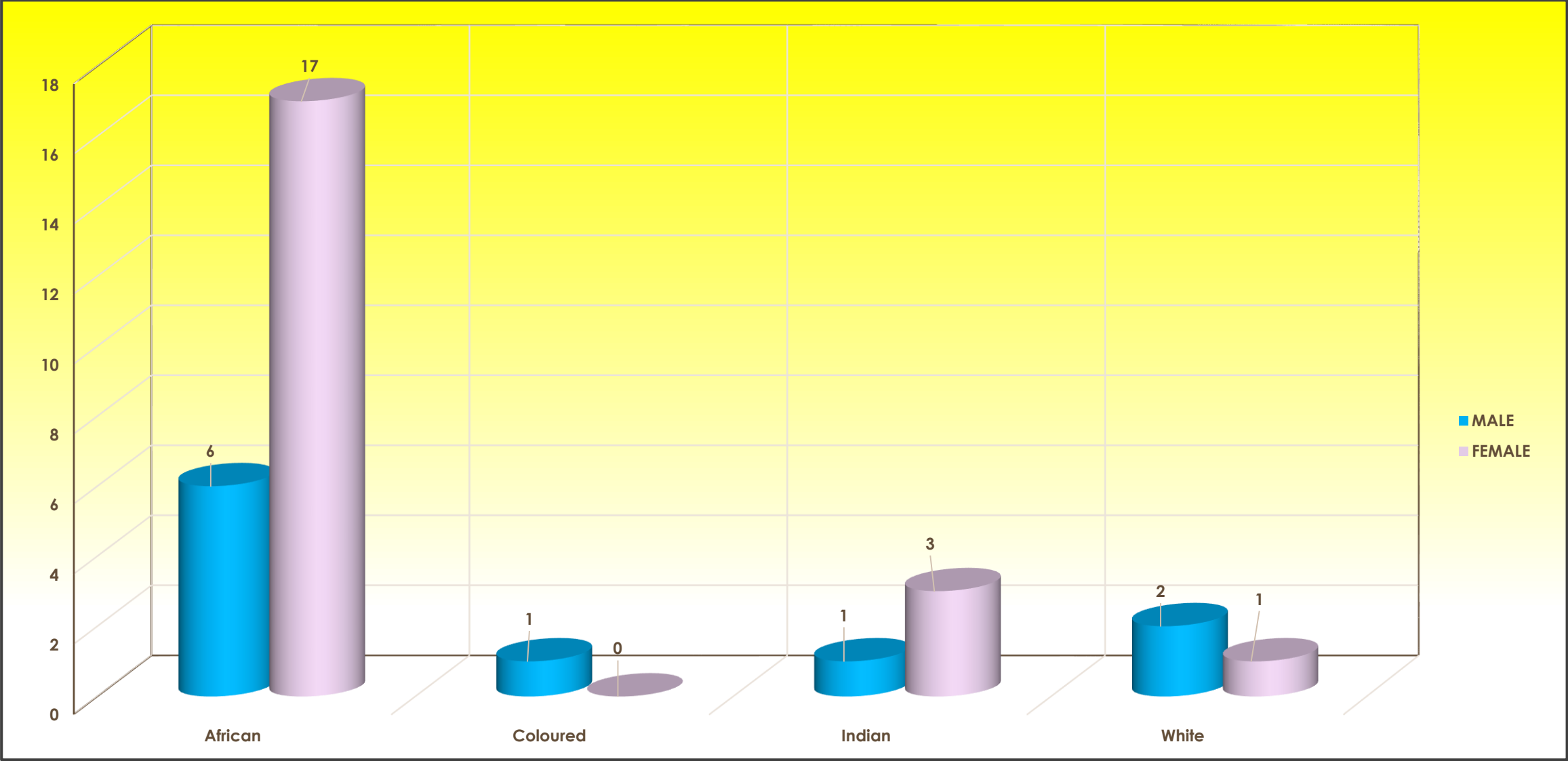
# STAFF COMPOSITION

Employment level	Male				Female				Foreign nationals		Total
	A	C	I	W	A	C	I	W	Male	Female	
Top management	2	1	1	1	0	0	0	0	0	0	5
Senior management	1	0	0	0	0	0	1	0	0	0	2
Professionally qualified and experienced specialists, and mid-management	1	0	0	1	7	0	2	1	0	0	12
Skilled technical and academically qualified workers, junior management, supervisors, foremen and superintendents	2	0	0	0	5	0	0	0	0	0	7
Administrative/semi-skilled	0	0	0	0	3	0	0	0	0	0	3
Unskilled and defined decision-making	0	0	0	0	2	0	0	0	0	1	2
Total permanent	2	0	0	1	6	0	1	0	0	0	10
Total temporary employees	4	1	1	1	11	0	2	1	0	1	21
<b>Grand total</b>	<b>6</b>	<b>1</b>	<b>1</b>	<b>2</b>	<b>17</b>	<b>0</b>	<b>3</b>	<b>1</b>	<b>0</b>	<b>1</b>	<b>31</b>

A = African; C = Coloured; I = Indian; W = White



# STAFF PROFILE - RACE AND GENDER DISTRIBUTION



# ANNUAL FINANCIAL REPORT



# AFS: STATEMENT OF FINANCIAL POSITION

	<u>2019</u> R	<u>2018</u> R
<b>Assets</b>		
<b>Current Assets</b>		
Receivables from exchange transactions	297,614	205,473
Cash and cash equivalents	20,154,470	7,651,113
	<u>20,452,085</u>	<u>7,856,585</u>
<b>Non-Current Assets</b>		
Property, plant and equipment	2,101,815	1,678,055
Intangible assets	1,052,361	636,687
	<u>3,154,176</u>	<u>2,314,742</u>
<b>Total Assets</b>	<b><u>23,606,261</u></b>	<b><u>10,171,327</u></b>
<b>Liabilities</b>		
<b>Current Liabilities</b>		
Payables from exchange transactions	5,980,010	5,245,970
Provisions	4,231,340	2,170,358
	<u>10,211,350</u>	<u>7,416,328</u>
<b>Non-current Liabilities</b>	0	0
<b>Total Liabilities</b>	<b><u>10,211,350</u></b>	<b><u>7,416,328</u></b>
<b>Net Assets</b>	<b><u>13,394,911</u></b>	<b><u>2,754,999</u></b>
Accumulated surplus	<u>13,394,911</u>	<u>2,754,999</u>

# AFS: STATEMENT OF FINANCIAL PERFORMANCE

	<u>2019</u> R	<u>2018</u> R
<b>Revenue from non-exchange transactions</b>		
Government grants	45 532 000	30 000 000
<b>Revenue from exchange transactions</b>		
Commission Received	905	520
Interest received	1 907 127	1 210 174
	<u>47 440 032</u>	<u>31 210 694</u>
<b>Expenditure</b>		
Audit Fees	531 791	782 174
Bank Charges	21 856	48 358
Contracted-out Services	1 100 030	278 907
Depreciation / amortisation	492 163	266 808
Directors' Emoluments	202 887	324 268
Electronic Office Equipment	378 458	265 212
Lease rental on operating lease	782 774	724 320
Loss on disposal of assets	11 456	-
Other General Expenses	898 979	662 451
PC Software	-	
Repairs & Maintenance	39 371	4 088
Salaries	31 105 126	26 191 896
Telecommunication	227 646	173 982
Training	67 106	10 631
Travel - Local	504 165	447 979
Travel - Overseas	436 312	138 846
	<u>36 800 120</u>	<u>30 319 920</u>
<b>Surplus/(deficit) for the year</b>	<u>10 639 912</u>	<u>890 774</u>

# AFS: CASH FLOW STATEMENT

	2019	2018
	R	R
<b>Cash flows from operating activities</b>		
<b>Receipts</b>		
Government grant	45,532,000	30000000
Interest Income	1,907,127	1,210,174
Other income	905	520
	<u>47,440,032</u>	<u>31,210,694</u>
<b>Payments</b>		
Compensation of employees	31,308,013	26,516,164
Goods & services	2,285,608	2,607,107
	<u>33,593,621</u>	<u>29,123,271</u>
<b>Net cash flows from operating activities</b>	<b><u>13,846,411</u></b>	<b><u>2,087,423</u></b>
<b>Cash flows from investing activities</b>		
Purchase of property, plant and equipment	(806,009)	(757,235)
Purchase of intangible assets	(537,045)	(666,841)
<b>Net cash flows from investing activities</b>	<b><u>(1,343,054)</u></b>	<b><u>(1,424,075)</u></b>
<b>Net cash flows from financing activities</b>	<b><u>0</u></b>	<b><u>0</u></b>
Net increase / (decrease) in cash equivalents	12,503,357	663,348
Cash and cash equivalents at beginning of the year	<u>7,651,113</u>	<u>6,987,765</u>
<b>Cash and cash equivalents at end of the year</b>	<b><u>20,154,470</u></b>	<b><u>7,651,113</u></b>

# AFS: COMPARISON OF BUDGET AND ACTUAL AMOUNTS

	Approved budget	Final budget	Actual amounts on comparable basis	Difference between final budget and actual
	R	R	R	R
<b>Revenue</b>				
Government grants	45,532,000	45,532,000	45,532,000	0
Commission Received	0	0	905	
Interest received	1,415,841	1,415,841	1,907,127	<b>491,286</b>
<b>Total Revenue</b>	<b>46,947,841</b>	<b>46,947,841</b>	<b>47,440,032</b>	<b>492,191</b>
<b>Expenditure</b>				
Personnel Expenses	35,433,201	35,433,201	31,308,014	<b>4,125,187</b>
Personnel Related Expenses	1,625,000	1,625,000	280,158	<b>1,344,842</b>
Travel and Subsistence	1,200,000	1,200,000	940,477	<b>259,523</b>
General Expenses	5,477,640	5,477,640	3,739,937	<b>1,737,703</b>
Operating Material	2,850,000	2,850,000	0	2,850,000
Repairs & Maintenance	33,000	33,000	39371.0	<b>(6,371)</b>
Depreciation / amortisation	329,000	329,000	492163.0	<b>(163,163)</b>
<b>Total expenditure</b>	<b>46,947,841</b>	<b>46,947,841</b>	<b>36,800,120</b>	<b>10,147,721</b>
<b>Operating surplus</b>			<b>-</b>	<b>10,639,912</b>



# AUDIT OUTCOMES

- **No Unauthorised, Irregular and Fruitless & Wasteful Expenditure.**
- **No material financial misstatements.**
- **No material misstatements with regard to performance targets.**

# CONCLUDING REMARKS

- **NRWDI maintained its clean audit status for the second consecutive year which will bear testimony to the fact that an institutionalized culture of accountability and responsibility prevails in NRWDI, thus demonstrating a resilient commitment towards good governance, prudent financial management, excellence, transformational and ethical leadership.**
- **Notwithstanding that NRWDI is a maturing entity, we are deeply committed to deliver safe, sustainable and publicly acceptable solutions for the long term management and disposal of all radioactive waste classes.**
- **This means never compromising on safety and security, taking full accountability for our social and environmental responsibilities, always seeking value for money and actively engaging with stakeholders in an open, transparent and respectful manner.**
- **NRWDI remains totally committed to fulfilling the vast expectations of South Africans that radioactive waste can be safely managed in a manner that meets or exceeds all applicable regulatory standards and requirements for protecting the health, safety and security of our people and the environment, both now and in the future.**

**NRWDI**

NATIONAL RADIOACTIVE WASTE  
DISPOSAL INSTITUTE



**THANK YOU !**

**Name:** Alan Carolissen  
**Title:** Acting Chief Executive Officer  
**Mobile:** +27 (0) 82 809 7750  
**Email:** [Alan.Carolissen@nrwdi.org.za](mailto:Alan.Carolissen@nrwdi.org.za)

# QUESTIONS & ANSWERS

