#### LISTERIA MONOCYTOGENES OUTBREAK RESPONSE





#### Venue: ICAM Date: 20/04/2018 Presenter: JM MOKGATLE





health

Department: Health REPUBLIC OF SOUTH AFRICA



### EH Investigations & Regulatory Framework



- > EH investigations are conducted in terms of:
  - Regulations Relating to EH Investigations and Inspections;
  - Section 80 and 83 of the National Health Amendment Act, 2013 (Act No. 12 of 2013);
  - Section 10 and 11 of the Foodstuffs, Cosmetics and Disinfectants Act, 1972 (Act 54 of 1972).





# EH Investigations & Regulatory Framework



| Food Category   | Micro-organism | Sampl | ing Plan | Limits       |       | Analytical reference | Stage when   |
|---|----------------|-------|----------|--------------|-------|----------------------|--|
|   |                | Ν     | С        | Μ            | М     | method               | criteria is applied  |
| RTE foods able<br>to support the<br>growth of<br>Listeria | L. Mono        | 5     | 0        | 100c1        | fu/g  | EN/ISO 11290 -1      | Product<br>placed on the<br>market during<br>their shelf life      |
| Monocytogenes   |                |       |          | Absei<br>25g | nt in |                      | Before has left<br>the immediate<br>control of the<br>manufacturer |





# Listeria outbreak and EH investigations



- 12/01/18 nine children under the age of 5 years at Soweto presented to Chris Hani Baragwanath hospital with febrile gastro-enteritis.
- The paediatrician suspected foodborne disease, including listeriosis, as a possible cause.
- The (EHPs) were informed and on the same day visited the crèche, and obtained samples from two unrelated polony brands (manufactured by Enterprise and Rainbow Chicken Limited (RCL) respectively) and submitted these to the laboratory for testing.
- L. monocytogenes was isolated from stool collected from one of the ill children, and from both of the polony specimens collected from the crèche.





# EH Investigations & Genome sequencing



- These isolates were sent to the NICD Centre for Enteric Diseases, and underwent whole genome sequencing and genomic analysis. The ST6 sequence type was confirmed on all three isolates on 27/01/18.
- EHPs, NICD and DAFF representatives, accompanied by 3 technical advisors from the WHO in Geneva, visited Enterprise food production in Polokwane and conducted an extensive environmental scanning and environmental sampling.
- The factory produces 62% of cold meat in the country.
- L. monocytogenes was isolated from over 30% of the environmental samples collected from this site.
- Whole genome sequencing analysis was performed from samples from the same Enterprise factory.





### Genome sequencing outcome



- 3/3/18 the outbreak strain, ST (Sequence type) 6, was confirmed in at least 16 environmental samples collected.
- Several ready-to-eat processed meat products from the Enterprise facility located in Germiston contain L. monocytogenes.
- In addition 109 contacts around Soweto were interviewed by NICD officials and 85% of them confirmed eating polony.
- The strain responsible for the outbreak was largely ST6.





#### Free State Province







#### health

Department: Health REPUBLIC OF SOUTH AFRICA



# Link to RCL



- Link to under 5 children that were admitted at Chris Hani Baragwanath hospital with febrile gastro-enteritis.
- The (EHPs) obtained samples from two unrelated polony brands manufactured by Enterprise and RCL respectively and submitted these to the laboratory for testing.
- L. monocytogenes was isolated from stool collected from one of the ill children, and polony products <u>tested positive for L.</u> <u>monocytogenes</u>, but the sequence types of the isolates were not ST6.
- One of the outbreak strain isolated was ST204.
- Contamination of ready-to-eat processed meat products constitutes a health risk in terms of Section 2 of the FCD Act, 1972 (Act 54 OF 1972)





# Link to RCL



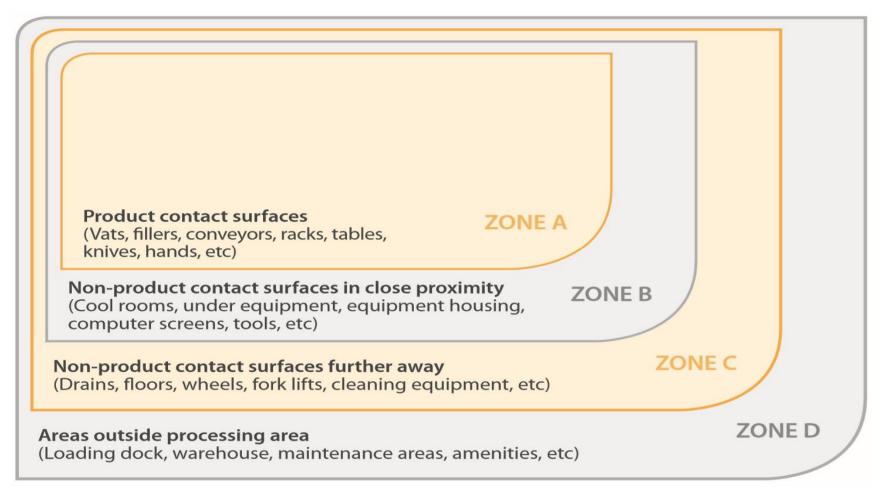
- On the 14/02/18 the FS DoH: EH in partnership with Fezile Dabi EHPs and NICD officials collected 195 environmental samples and 5 food samples from RCL factory at Wolvehoek.
- 10% of environmental samples collected by EHPs at this facility tested positive for L. monocytogenes.





# Sampling zones







health

REPUBLIC OF SOUTH AFRICA



# **Risk Description**

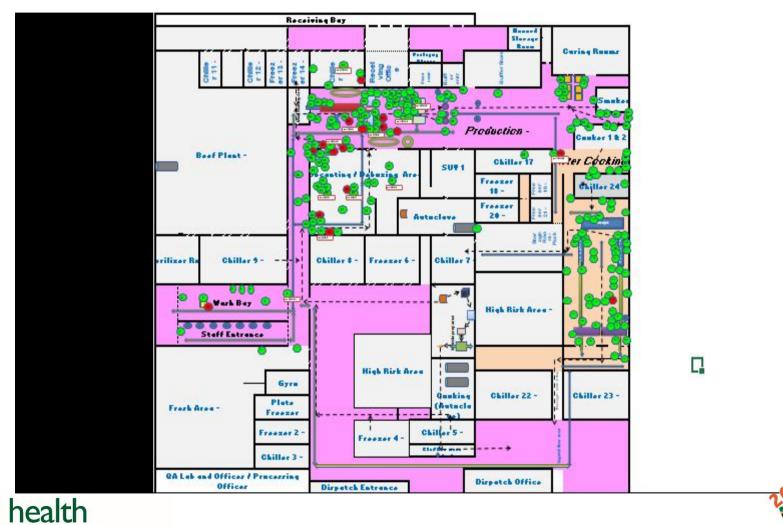


| Zone | Description   | Risk to product   | Examples  |
|------|---|---|---|
| А    | Product contact surfaces  |   |   |
|      | Surfaces over or through which product passes during processing (product contact surfaces/direct contact surfaces)  | High  | Conveyors, tables, racks, holding vats<br>and tanks, utensils, pumps, valves, slicers,<br>freezers, packing/filling machines  |
| В    | Non-product contact surfaces in close proximity to product  |   |   |
|      | Surfaces that are in close proximity to the<br>flow of product and may indirectly lead<br>to product contamination (non-product<br>contact surfaces/in-direct contact surfaces<br>that are close to product)  | High  | Conveyors, exterior of processing<br>equipment, refrigeration units, equipment<br>control panels, service lines, equipment/<br>building above exposed product. May also<br>include keypads and door handles |
| С    | Non-product contact surfaces located further away from product  |   |   |
|      | Surfaces located further away from the flow<br>of products. These surfaces are less likely<br>to lead to product contamination but may<br>hinder efforts to control pathogens (non-<br>product contact surfaces/in-direct contact<br>surfaces that are further away from product) | Low – provided good<br>manufacturing practice<br>(GMP) establishes control<br>systems | Drains, walls, floors, condensate, hoses,<br>trolleys, pallets, conveyor belts, forklifts,<br>computer keyboards and telephones,<br>switches, etc.  |
| D    | Surfaces outside the processing area  |   |   |
|      | Surfaces outside of the premises but<br>includes areas through which people,<br>equipment and ingredients may pass  | Low   | Locker rooms, cafeterias, entry/access<br>ways, pallets and pallecons, loading bays,<br>roofs, gutters, waste pits, garbage storage<br>areas  |





# RCL Environmental Sample Floor plan





Department: Health REPUBLIC OF SOUTH AFRICA



### **Samples Collected**





#### FOOD CONSULTING SERVICES

ENTERPINEE NO. 2000/099646/22 VAL. NO. 4660176918

 P.O. Box 1461
 Tel: (011) 315-5007/8

 Halfway House
 Fax: (011) 315-5029

 1685
 info@foodconsulting.co.za

 South Africa
 www.foodconsulting.co.za



OUR REFERENCE: FCS 886 02 18 26 FEBRUARY 2018

NATIONAL INSTITUTE FOR COMMUNICABLE DISEASES NO. 1 MODDERFONTEIN ROAD SANDRINGHAM 2131

Attention: Nevashan Govender

#### MICROBIOLOGICAL TEST REPORT RE: PROCESSED MEAT EVALUATION

The following samples were received on 15 February 2018 for microbiological evaluation only.

| Sample    | Description                           |  |  |  |  |  |  |  |  |
|-----------|---------------------------------------|--|--|--|--|--|--|--|--|
| SS-159-1  | Production Emulsifier blade           |  |  |  |  |  |  |  |  |
| SS-159-2  | Production Emulsifier side            |  |  |  |  |  |  |  |  |
| SS-159-3  | Production Emulsifier opening         |  |  |  |  |  |  |  |  |
| SS-159-4  | Production lander panel box           |  |  |  |  |  |  |  |  |
| SS-159-5  | Production blender panel 2            |  |  |  |  |  |  |  |  |
| SS-159-6  | Production staircase handle 2         |  |  |  |  |  |  |  |  |
| SS-159-7  | Production blender panel              |  |  |  |  |  |  |  |  |
| SS-159-8  | Production cossine blender            |  |  |  |  |  |  |  |  |
| SS-159-9  | P17 cozine blender                    |  |  |  |  |  |  |  |  |
| SS-159-10 | P19 chiller 16 drain                  |  |  |  |  |  |  |  |  |
| SS-159-11 | P21 production floor emulsifier drain |  |  |  |  |  |  |  |  |





## Sample results



#### RESULTS

| Sample ref. | L. monocytogenes (detection) |
|-------------|------------------------------|
| SS-159-1    | ND                           |
| SS-159-2    | ND                           |
| SS-159-3    | ND                           |
| SS-159-4    | ND                           |
| SS-159-5    | ND                           |
| SS-159-6    | Positive                     |
| SS-159-7    | ND                           |
| SS-159-8    | ND                           |
| SS-159-9    | Positive                     |
| SS-159-10   | Positive                     |
| SS-159-11   | Positive                     |
| SS-159-12   | ND                           |
| SS-159-13   | ND                           |
| SS-159-14   | ND                           |
| SS-159-15   | ND                           |
| SS-159-16   | ND                           |
| SS-159-17   | ND                           |
| SS-159-18   | ND                           |
| SS-159-19   | Positive                     |
| SS-159-20   | ND                           |
| SS-159-21   | ND                           |
| SS-159-22   | ND                           |
| SS-159-23   | Positive                     |





Department: Health **REPUBLIC OF SOUTH AFRICA** 



### Methodology



#### METHODS

The following standard FCS method was used. Tests marked (\*) "Not SANAS accredited" in this report are not included in the SANAS Schedule of Accreditation for this laboratory.

TM051 VIDAS Listeria monocytogenes II (LMO2)

The results in this report reflect only the analysis of the above-mentioned samples in the condition they were received (comments/ notes will be made in the event that samples deviate from the norm or any visual defects are noted). Only the results of the indicated methods are accredited, the comments and interpretations of the above mentioned results fall outside the scope of accreditation. This report may not be reproduced except in full. Extracts can be reproduced only with the express written permission of an FCS signatory. Method validations performed, prove that the results obtained and recorded in this report, fall within a 95% confidence level at k=2.





#### **National Measures Implemented**



- Pronouncement by Minister to control outbreak. <u>https://www.gov.za/speeches/minister-aaron-motsoaledi-update-listeriosis-outbreak-south-africa-4-mar-2018-0000</u>
- Ministerial marching orders:
  - The National Consumer Commission (NCC) issued the manufacturers, i.e., RCL and Enterprise with safety recall notices in terms of Section 60(2) of the Consumer Protection Act;
  - The safety recall for the affected products including the entire distribution networks, both domestic and international;
  - Compliance notices to be issued by the Environmental Health Practitioners in terms of the National Health Act;
  - Temporary suspension of export registration documents of the affected two companies until further notice.
  - Members of the public to avoid all processed meat products that are sold as ready-toeat.



health Department: Health REPUBLIC OF SOUTH AFRICA



#### **Progress to date**



#### Safety recall of the affected products by NCC

| NATIONAL CONTINUE COMMISSION   |  |
|--|--|
| Alson Produces Advances | NATIONAL CONSUMER COMMISSION   |
| A MARKAN CARLY AND AND A MARKAN CARLY BD.  | beprint Produce Make Load <u>a main difference print</u> TSL-00-04 THE, MIC 2010, Print Address, F. C. Do. 1000, Horse Fuel, Hill, Printer Mathema Exclusing, C. Such Alfraim Banas<br>Villardinis Carpan, Special of Prairies, Ball   |
| tent Attention: CEO/ EXECUTIVE OFFICER   | A STATUTE OF A S |
| TIGER BRANDS LIMITED C/0 ENTERPRISEFOODS   | Following the announcement of the Department of Health regarding the Dutbreak of Listeriosis in South<br>Africa, the NICD has recently identified the following products as some of the possible source. In order to<br>exercise caution, we require that the following products be recalled urgently.   |
| Executive: Legal & Group Company Secretary<br>Tiger Brands Limited<br>3010 William Nicol Drive, Bryanston, Sandton<br>Tel: +27 11 840 4225   Fax: +27 11 514 0477   Cell: +27 60 995 7142<br>Email: <u>cosh_neidoo@Hiterheands.com</u>   | Enterprise Polony     Enterprise Smoked Russians     Enterprise Frankfurters     Specifically we require your entity to do the following urgently;   |
| INW Indale<br>Group Company Secretary<br>Tel: 011 640 4345<br>Email: <u>ian: idale/@licer Invands.com</u>  | <ol> <li>Notify the National Consumer Commission by filling-in the notification attached to the guideline,<br/>by Tuesday 06 February 2018;</li> <li>Immediate upliftment and quarantine of the products from the market;</li> <li>Immediate notification of all trading partners;</li> <li>Notification to all competent authorities both local and international.</li> </ol>   |
| Sir/Madam  | For any clarity regarding the above contact the NCC on the above details;  |
| AFETY RECALL NOTIFICATION FOR ENTERPRISE FOODS IN TERMS OF SECTION 60 OF THE<br>DNSUMER PROTECTION ACT NO 68   | Regards,   |
| National Consumer Commission is a body established in terms of Section 85 of the Consumer<br>ction Act as an organ of state within the public administration with a mandate to ensure consumer<br>ction throughout the republic of South Africa.   | White con laston v<br>Was Thesi Mabusa   |
| onsumer Protection Act 68 of 2008 under section sixty subsection two (60)(2), states that if the<br>insision has reasonable grounds to believe that any goods may be unsafe, or that there is potential<br>the public from the continues use of or exposure to the goods, and the producer or importer of<br>goods has not taken any taps required by an applicable code contemplated in subsection one(1),<br>ammission, by written notice, may require that producer to;   | Deputy Commissioner<br>National Consumer Commission  |
| anduct an investigation contemplated in subsection [1];<br>ir  |  |
| arry out a recall programme on any terms required by the Commission  |  |
|  |  |





#### Department: Health

health

RE: 5 The Prote prote

The C

Com risk to those the C (a)

**REPUBLIC OF SOUTH AFRICA** 

17



- The recall of implicated food products was announced on 04 March 2018. However, it is expected that new outbreak-related cases will continue to be reported, for the following reasons:
  - the incubation period of listeriosis can be up to 70 days;
  - the implicated food products have a long refrigeration shelf life, and it is possible that despite the recall some products were not removed from retail/home settings, and consumption might occur
  - the possibility of cross-contamination of other types of foods in the retail or home setting may result in additional cases

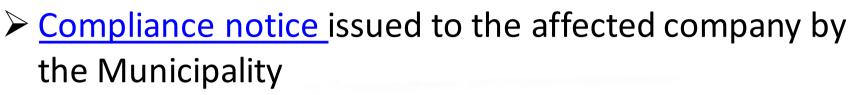




#### Progress to date (Cont..) Temporary suspension of Export documents of the affected premises by the Department of Agriculture. agriculture, forestry & fisheries mannant Agriculture, Forestry and Fisheries REPUBLIC OF BOUTH AFRICA Directorate: Veterbery Public Health, Department of Agriculture, Foresity and Faheries Delpen Bulding, Dio Annie Botha & Union Streets, Review, Pretonie, 0084 Physia Bag X138, Pretoria 0001 Enquiries: Dr Mphane Molefe + Tal: +27 12 319 7688+ Fax: +27 12 319 7698 + E-mail: Mphane/Mittoff.cov.28 To: Provincial Executive Officers (PEO) SUSPENSION OF EXPORTS FROM ,RCL FOODS CONSUMER (PTY) LTD CHICKEN WOLWEHOEK (ZA 32) AND ENTERPRISE FOODS POLOKWANE (ZA 33) As a result of the outcome of the Listeria outbreak investigation, a decision has been taken under Section 14(7) of the Meat safety Act 2000 (Act No. 40 of 2000) to prohibit the export of meat and meat products produced from the two establishments below: · ZA 32: RCL Foods Consumer (Pty) Itd Chicken, Wolwehoek (Free State Province), and ZA 33: Enterprise Foods, Polokwane (Limpopo Province) You are requested to suspend export certification, with immediate effect, of products : ..... produced at these two establishments. As these two establishments also exported either directly or indirectly via retailers and distribution centres, you are also kindly requested to provide details of consignments that originated from these establishments that were certified in your respective Provinces (from April 2017 to date) using the attached template. Further details on lifting of the suspension will be provided in due course once appropriate corrective actions have been instituted. Your assistance is much appreciated. Yours faithfully **Director: Veterinary Public Health** EARS OF Date: 05/03/2018 health Department:

Health REPUBLIC OF SOUTH AFRICA

### Progress to date (Cont..)





Donner Kingster and and a second and a secon

Million -ELLAS SILE GALS CULO 498 REDI tentel #8

The second secon







Health REPUBLIC OF SOUTH AFRICA

### Progress to date



#### $\blacktriangleright$ Response from <u>the</u> industry on food safety recall.



3010 William Nicol Drive, Bryanston Tet +27(11) 840-4000 Fax: +27(11) 514-0084

PO Box 78056, Sandton 2146, Republic of South Africa

06 March 2018

The National Consumer Commission By Email: P.Moilwa@thencc.org.za

Dear Prudence

RE: ENTERPRISE FOODS - RECALL

We refer to the above matter and our letter dated 05th March 2018.

Please note that it has been brought to our attention that the number of the helpline provided had a typo. Please note that the correct number is as follows: 0860 33 33 10.

We apologise for any inconvenience caused.





3010 William Neul Drive, Bryanston Tet. +27(11) 840-4000 Fax: +27(11) 514-0064 PO Box 78056, Sandton 2146, Republic of South Africa

05 March 2018

The National Consumer Commission By Email: <u>P.Moilwa@thencc.org.za</u>

Dear Prudence

RE: ENTERPRISE FOODS - RECALL

We refer to the above matter and thank you and your team for a very constructive meeting this morning.

As discussed, please find attached:-

1) List of known export Countries;

 List of affected products which are subject to the recall as well as a list of non-affected products.

We confirm that our Consumer Helpline number is as follows: 0860 033 3310.

We will let you have the Recall Notification form and the additional information tomorrow, as undertaken.

Yours faithfully

A

AVISH KALICHARAN

|                                     | _     |      | _     |       | _     |       | _      |       |        |       |       |      | _     |      | _     |       | _     |       |            |       |
|-------------------------------------|-------|------|-------|-------|-------|-------|--------|-------|--------|-------|-------|------|-------|------|-------|-------|-------|-------|------------|-------|
|                                     | JU    | LY   | AL    | UG    | SE    | PT    | 0      | СТ    | N      | OV    | D     | EC   | JA    | N    | FI    | B     | MA    | RCH   | YTD TO TAL |       |
| COUNTRY                             | CASES | TONS | CASES | TON S | CASES | TON S | CAS ES | TO NS | CAS ES | TO NS | CASES | TONS | CASES | TONS | CASES | TON S | CASES | TON S | CASES      | TO NS |
| BOTS WANA (Via Senn Foods Botswana) |       |      |       |       | 0     | 0.0   |        |       |        |       |       |      |       |      |       |       |       |       | 0          | 0.0   |
| LES OTHO (Via Vector Bloenfontein)  | 130   | 1.0  | 236   | 1.8   | 285   | 2.2   | 189    | 1.5   | 234    | 1.8   | 232   | 1.8  | 178   | 1.4  | 194   | 15    | -34   | - 0.3 | 16 44      | 12.9  |
| MOZAMBIQUE (Via Tio Peixe Mozambiqu |       |      | 1404  | 11.2  |       |       | 1404   | 11.2  |        |       | 7020  | 56.2 |       |      |       |       |       |       | 98 28      | 78.6  |
| NAMI BI A (Via Vector Windhoek)     |       |      |       |       |       |       |        |       | 518    | 3.8   | 674   | 5.1  | 0     | 0.0  |       |       |       |       | 11 92      | 8.9   |
| SW AZILAND (Via Logico Swaziland)   | 0     | 0.0  | 0     | 0.0   | 3     | 0.0   | -3     | 0.0   |        |       |       |      |       |      |       |       |       |       | 0          | 0.0   |
| GrandTotal                          | 130   | 1.0  | 16 40 | 13.1  | 288   | 2.2   | 1590   | 12.7  | 752    | 5.7   | 7926  | 63.1 | 178   | 1.4  | 194   | 1.5   | -34   | - 0.3 | 12 664     | 100.5 |



Department: Health REPUBLIC OF SOUTH AFRICA

health





#### Safety recall of the affected products by the industry







# Disposal of recalled products



The Department of Environmental Affairs in partnership with the DoH issued a directive to Municipalities and the public on the <u>correct disposal</u> of <u>recalled products</u>.



environmental affairs Seatown Normania Abus Revus of adure Amaga

Hef: Despublicat Mathelia Governder Tel: (012) 500 5092 Email: erigtwarder@jerwinsenet.gov.ce stone.erationsterit.acm.20

Dear VedeniSr

#### SPECIAL PERMISSION TO ADDEPT LISTERIA CONTAMINATED FOOD PRODUCTS FOR INCATMENT AND/ON DISPOSAL

In tight of the recent colloresk of Listedock and place the potential to it is cause tool-borne likthreatening disease a survice of tool problem have been recalled and request hispose. This item more to inform you that such water many be accepted for theyteen it a librated inclusation, sother or on-processing facility or may be accepted for disposed at a Cause A landfill should possible accepted for disposed at a Cause A landfill should possible accepted for disposed at a Cause A landfill should possible accepted for disposed at a Cause A landfill should possible accepted of such wate will be suspended until such time as all of the works have been treated and/or disposed at a

The receiving waste management locitly must underlate a risk assessment and solved a risk management plan to the Department demonstrating that the populated management codes will amaze that the results in managed in south a resp that is to long posed a risk to harmon or winnin handly, or the environment. The modulus facility must also prepare and saterith manifest todamentation to the Department indicating the temages of waster prepared on who.

Your exception in this legand will be much appreciated

Yours since:



**Τές Underlie Operator** Department of Ereliev meetal Affairs Chief Discours Heavefung Wassey Management and Litaria ing Date: Φ7/Φ2/2018







ilette pain gisting people fed

### Action Plan by RCL



#### RCL developed the following <u>action plan</u> for consideration by the collective

|                                     |  | RCL FOODS Consumer (Pty) Ltd<br>Total Integrated Management System   |  |  |  |  |  |  |  |
|-------------------------------------|--|--|--|--|--|--|--|--|--|
| RCL                                 | ACTION PLAN REPORT FOR WOLWEHOEK PRODUCTION FACILITY |  |  |  |  |  |  |  |  |
| DATE                                | 13 March 2018  |  |  |  |  |  |  |  |  |
| NON-COMPLIANCE                      |  | ce issued a Compliance Notice in terms of section 83 (1) (3) of the National Health Act (Act 12 of 2013) to Wolwehoek on the 5th March 2018  |  |  |  |  |  |  |  |
| SAMPLING RESULTS<br>& CONTRAVENTION | monocytogenes  | s collected by the NICD on the 14 February 2018 at Wolwehoek facility (1 Station Road, Wolwehoek, Salsolburg) food processing facility tested positive for Listeria<br>in 83(1) (c) of the National Health Amended Act, 2013 (Act 12 of 2013) as amended                               |  |  |  |  |  |  |  |
| SCOPE OF ACTION<br>PLAN             |  | a gap audit at Wolwehoek to provide the Department of Heath with a comprehensive action plan detailing steps to achieve the acceptable levels of Listeria<br>nies. (further discussions wiith all relevant stakeholders to confirm acceptable levels- Listeria monocytogenes in polony |  |  |  |  |  |  |  |
| PROJECT SPONSER                     | Scott Pitman   | RCL Foods Consumer Division Managing Director  |  |  |  |  |  |  |  |
| PROJECT LEAD                        | Anton Geustyn  | RCL Foods Chicken Division Manufacturing Director  |  |  |  |  |  |  |  |
|                                     | Najib Salim  | RCL Foods Consumer QA and Food Safety Executive  |  |  |  |  |  |  |  |
|                                     | Rhona Mbele  | RCL Foods Consumer Risk Executive  |  |  |  |  |  |  |  |
|                                     | Rosalind Govender                                    | RCL Foods Consumer QA Compliance Manager   |  |  |  |  |  |  |  |
| PROJECT TEAM                        | Koen Le Roux   | RCL Foods Consumer Engineering Executive   |  |  |  |  |  |  |  |
|                                     | Liam Paterson  | RCL Foods Chicken Division Manufacturing Executive – Further Processing  |  |  |  |  |  |  |  |
|                                     | Vindesh Soorujlall                                   | RCL FOODS Chicken Division SHEQ Manager Further processing   |  |  |  |  |  |  |  |
|                                     | Ravi Naidoo  | RCL Foods Chicken Division Operations Manager Wolwehoek  |  |  |  |  |  |  |  |



#### health

Department: Health REPUBLIC OF SOUTH AFRICA



#### BACKGROUND



#### Samples collected by EHPs in response to the outbreak

|                       | # Swabs   | # positives | # Food Samples | # positive | Action taken  |
|-----------------------|-----------|-------------|----------------|------------|---|
| Fezile Dabi District  | 221       | 28          | 32             | 0          | Issued a compliance notice to<br>one facility and awaiting<br>results of six facilities     |
| Lejweleputswa         | 25        |             | 35             | 3          | 3 food samples tested positive and awaiting results   |
| Mangaung Metro        | 0         | 0           | 46             | 7          | Five patients advised to decontaminate the fridge.  |
| Thabo<br>Mofutsanyana | 26        | 0           | 79             | 2          | Awaiting results for 81<br>samples. 3 butcheries awaiting<br>issuance of compliance notice. |
| Xhariep               | No report | No report   | Nil report     | Nil report | N/A   |
| Total for Province    | 272       | 28          | 192            | 12         |   |







### Post recall information

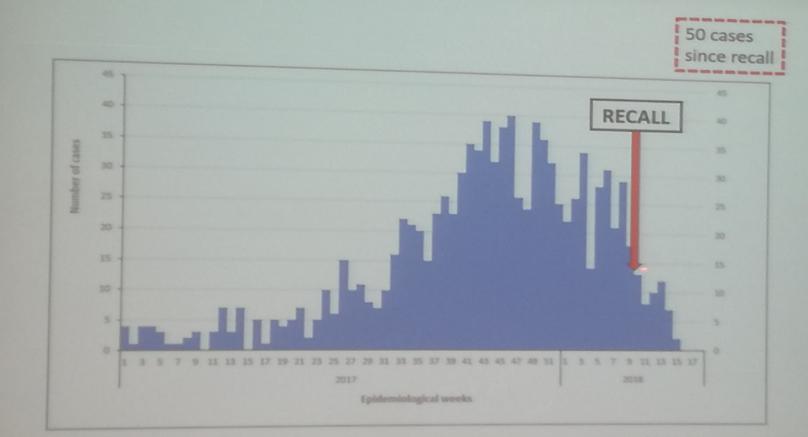


Figure 1: Epidemic curve of laboratory-confirmed listeriosis cases by epidemiological week and date of sample collection, South Africa, 01 January 2017 to 17 April 2018 (n=1 019)



#### health

Department: Health REPUBLIC OF SOUTH AFRICA



### Issues to Note



- There are 113 food processing plants in the country;
- The focus is on RTE products such as polony and other cold meats;
- Food samples must be collected by Municipal EHPs from food processing plants, retailers and lab confirmed cases;
- On the 15/12/17 Listeria was declared a notifiable medical condition because it met two of the IHR prescribed criteria:
  - Communicable;
  - Rapid spread in communities;
  - Displayed unusual behaviour;
  - Cross border restrictions;



- Spillage to neighbouring countries.



Health REPUBLIC OF SOUTH AFRICA

Department:

# National Listeriosis Control



- Public Health Emergency Operational Centre has been established through the assistance of WHO;
- Chaired by Dr Yogan Pillay, DDG: HIV/AIDS, TB and MNCH;
- Based at NICD offices in Johannesburg.
- It will be operational for three(3) months;
- The project is divided into three phases (Phase 1 3)
- Developed National Listeriosis Response Plan;



Organisational structure has been established; health

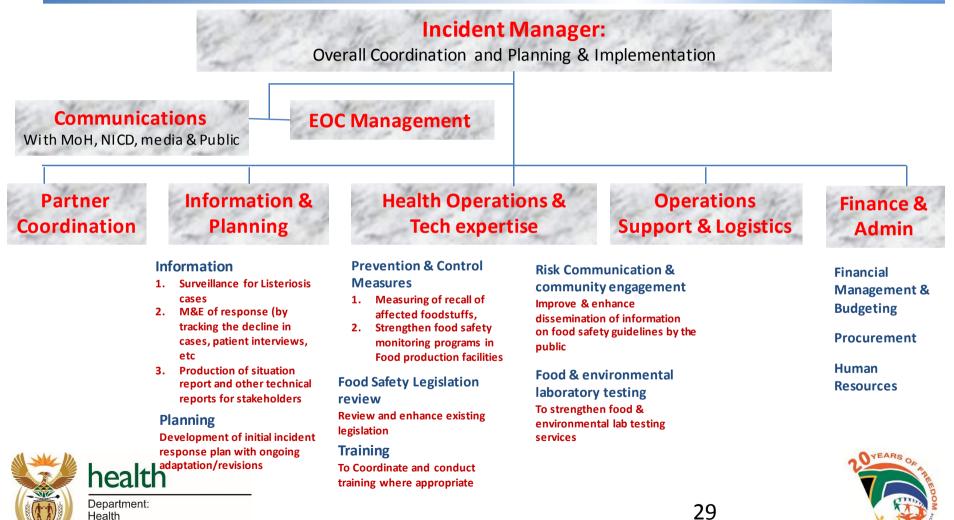
Department: Health **REPUBLIC OF SOUTH AFRICA** 



## **IMT** Organogram



#### **Draft Joint Incident Management Team (IMT) Organogram**



**REPUBLIC OF SOUTH AFRICA** 

#### National Listeriosis Response Plan



#### **Objectives Supporting the overall goal of the response**

- 1 Strengthening multisector coordination under one structure, working as one team
- 2 Strengthening Listeriosis surveillance to ensure timely detection and response to clusters and outbreaks
- 3 Strengthening lab capacity to support food and environmental testing, including enumeration of the levels in the food
- 4 Strengthening food safety monitoring programs in food production facilities and monitor the recall of implicated foodstuffs
- 5 Review and enhance existing legislation relating to food safety, enforcement and outbreak response
- 6 To continuously inform stakeholders and public in an accurate, timely and consistent, transparent and comprehensive way on the response to Listeriosis outbreak in South Africa





Health REPUBLIC OF SOUTH AFRICA





| Pha    | <b>SE 1</b> (09 - 26 April )   | Phase 2 (26 April – 20 July )  | Phase 3            | 3 (20 July – 31 August)      |
|--------|--|--|--------------------|------------------------------|
| Stake  | holder communication (keeping stak   | eholders DoH, Dti, DAFF, DEA, industry, medi   | a, public) i nf    | formed re: plan and progress |
| Infor  | mation : Production of information pr  | oducts, sitraps, reports, etc  |                    |                              |
| Legis  | lative review:Immediate support for  | inspection teams,  |                    | ~                            |
|        | P&C, Tiger Brands & RCL: Expect re   | view group to a dvise & Action   |                    | Recommendations              |
|        | <ul> <li>Risk Assessment:</li> <li>1. List of food production<br/>facilities &amp; metadata</li> <li>2. Identification of facilities to<br/>inspect</li> </ul> |  | Risk assessment    |                              |
|        | Risk Communication:  | Risk Communication Activities  | nent               |                              |
|        | <ol> <li>Preparation of material</li> <li>Training</li> </ol>  |  | trevi              |                              |
|        | <ul> <li>P&amp;C Inspection team (n=10 -15)</li> <li>1. Assembling a team,</li> <li>2. Preparation of checklist, SOP,</li> <li>3. Training</li> </ul>          | P&C Inspection team (n=10 -15)<br>Inspection and follow up on all identified<br>facilities | review of findings |                              |
|        | P&C – Recall: collection of data   |  | ings               |                              |
|        | nation (sequencing): outsourcing,<br>ng & database   | Information (sequencing): sequencing of all isolates                                       |                    |                              |
| datab  | Food Lab: Optimisation of SOPS,<br>base, infrastructure, DNA<br>ction etc.   | NHLS Food Lab: testing of facility sampling  |                    | 2 YEARS                      |
| Infor: | Detection and investigation of clinic  | al cases   |                    |                              |
| N      | REPUBLIC OF SOUTH AFRICA   |  |                    | 57                           |

### Key activities



- Key activities
  - Information
    - Epi and surveillance;
    - Situation report
  - Legislation
    - Review an alignment of food safety legislation
  - Environmental Health
    - Monitoring and recall of affected food;
    - Conduct risk assessment and identify high risk food production facilities;
    - Conduct inspections
    - Train Provincial and district EHPs;
  - Food Laboratory Testing
    - Strengthen and capacitate food safety testing in line with the international and new guidelines





Health REPUBLIC OF SOUTH AFRICA



# How Provinces can assist



- Monitor and control literia and prevent future outbreaks;
- Strengthen provincial health systems;
- Support National Emergency Response Plan (ERP).





# How provinces can assist



- Be aware of the ERP distribute the 2 paper summary in the department, esp with your media liaison officer;
- Work with the IMT in the following areas:
  - Epi and surveillance case notifications, activate your provincial ORT, share activities with the IMT (reports);
  - Risk Management/Communications continue with the activities, address the misunderstandings, promote food safety, share activities with the IMT;
  - Environmental Health, DAFF/VPH participate in training, work with the districts, participate in inspections, followup on inspections and share activities with IMT



health





# THANK YOU **KE YA LEBOGA**



health

REPUBLIC OF SOUTH AFRICA

