

# KWS Grampian

## *Kelda Water Services - Grampian*

Update 23<sup>rd</sup> April 2018



# 2017 Nigg WwTW Activities

## 2017 Completed Projects

### Sewage Treatment Works

- Lamella Refurbishment Program (5 tanks)
  - Security Project
  - Weather Station
- Inlet Pool refurbished

### Sludge Treatment Centre

- Gas Bag replacement
- CHP 1 Refurbishment
- Import Tank 1 & 2 clean out
- Import screen installation
- Digested Sludge Holding Tank 2, emptied
  - CAMBI Maintenance
- Replaced media in the biogas scrubber

### Operations & Maintenance

- CMMS System rolled out
- Annual review of the working plan and WML
- Working with Scottish Water to create a clear methodology for investigating pollution events
- 2 Operative Shift Cover plus Stand by arrangements



# 2018 Nigg WwTW Activities

## 2018 Completed Activities

- SSE Power shutdown
  - Improved Lamella Desludging control system
    - Centrifuge drive replacement
- Improved Lamella cleaning methodology
  - Chemical dosing trials
  - Lamella 5 in dedicated backwash service

## Sewage Treatment Works

- Inlet Works Automation
- Lamella Snagging Works
- PACSCAN Replacement
- BAFF Plant Maintenance on CK Cells
  - BAFF Wedge Wire Screen repairs
  - BAFF Blower Replacement
- Back wash tank clean out

## Sludge Treatment Centre

- DSHT 2 Civil repairs
  - DSHT 1 clean out
- Flare Stack replacement (now)
- Digester 1 Mixing system (Sept – Dec)
- Boiler replacement

## Operations & Maintenance

- Continued working with Scottish Water, SEPA and our stakeholders to improve odour performance
- More planned maintenance
- Less reactionary Work

