# 5S
# Northside Wastewater Treatment Plant

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## Project Charter

| Project Name: 5S Northside Wastewater Treatment Plant | Project Team: |
|---|---|
| **Project Description:** | **Black Belt:** Penny Macias |

**Problem Statement:**
The Northside Wastewater Treatment Plant (NWWTP) Maintenance supply inventory organization and tracking is not ideal and has caused issues with parts not being ordered at the right time or unneeded parts ordered.

**Goal Statement:**
Through working with maintenance personnel, the project team will determine and define issues in inventory management and develop process improvements for immediate and ongoing successful inventory control at the NWWTP Maintenance facility.
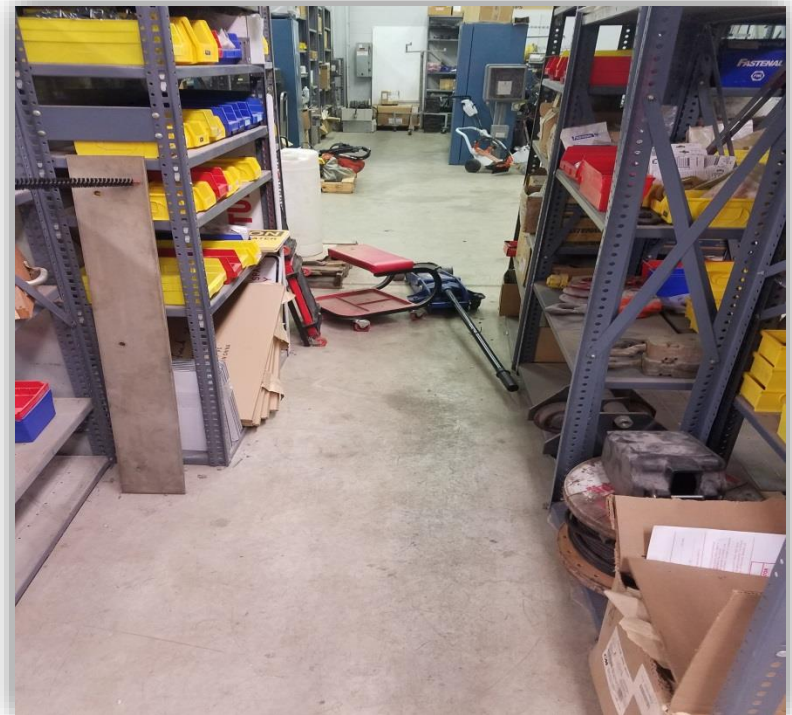
**Black Belt:**
Penny Macias

**Green Belts:**
Darla Gunion
Heath Kirkeby
Drew Liechti
Tom Moyes

**Sponsor:**
Shawn Glen
(Superintendent)

**Process Owner:**
Colin Wilmering
(Maintenance Manager)

# 5S Northside

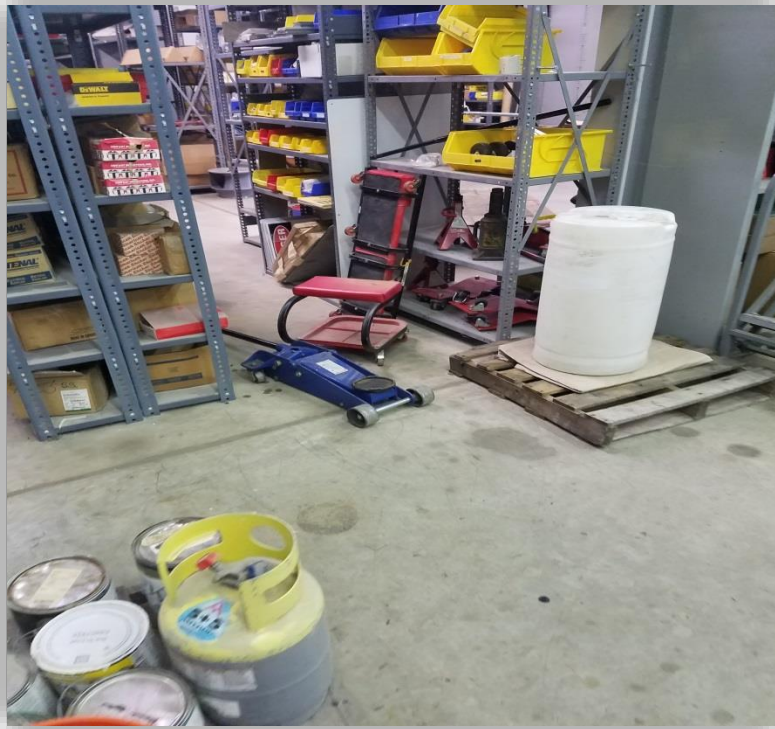## The Initial Situation

# 5S Northside

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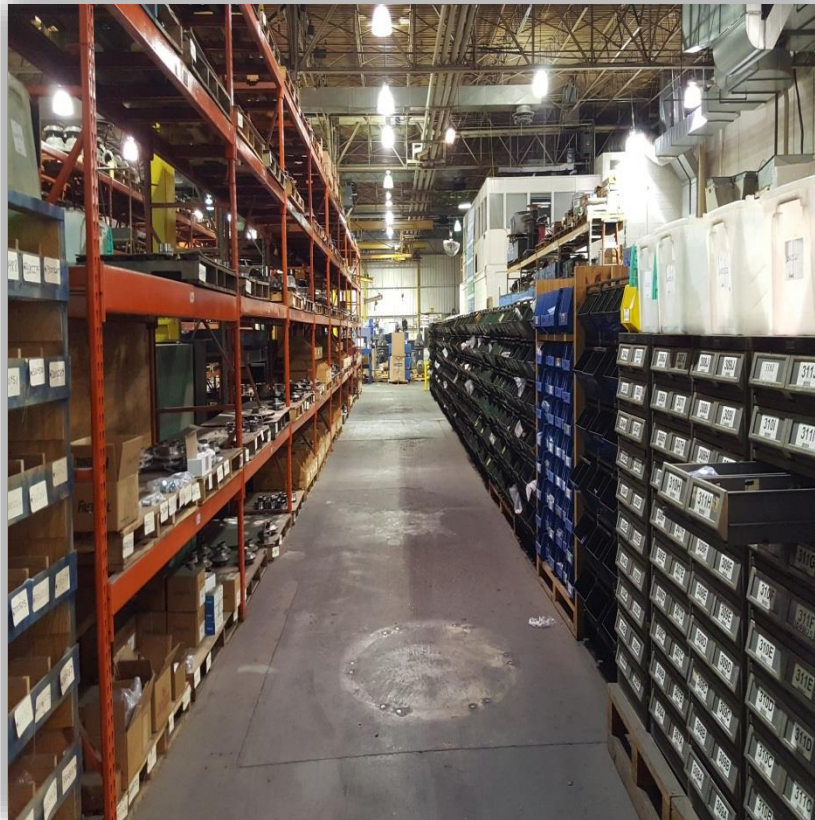## The Initial Situation

# 5S Northside
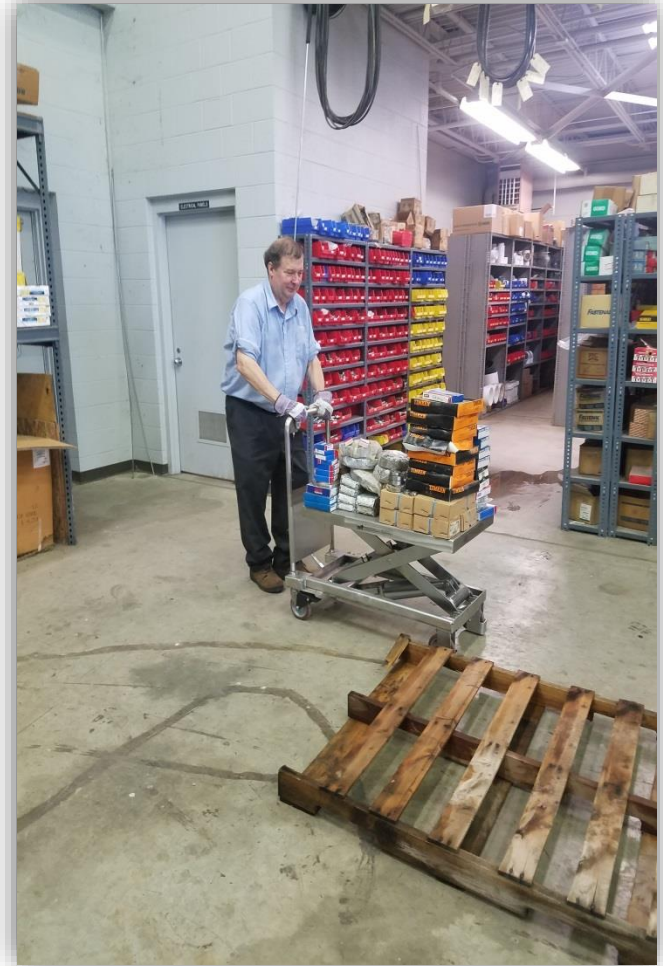
## Tour at AB Jewell

# 5S Northside

## Tour at RuhrPumpen

# 5S Northside

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# 5S Northside

## 5S'ing

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## Some Red-Tag Items on 10/16/2018

# 5S Northside

## NOW IT'S TIME TO

## **STANDARDIZE** & **SUSTAIN**!

# 5S Northside

## STANDARDIZATION
## WITH SIGNS

# 5S Northside

## STANDARDIZATION
## WITH SIGNS

# 5S Northside

## AND STANDARDIZE WITH <u>LABELS</u>
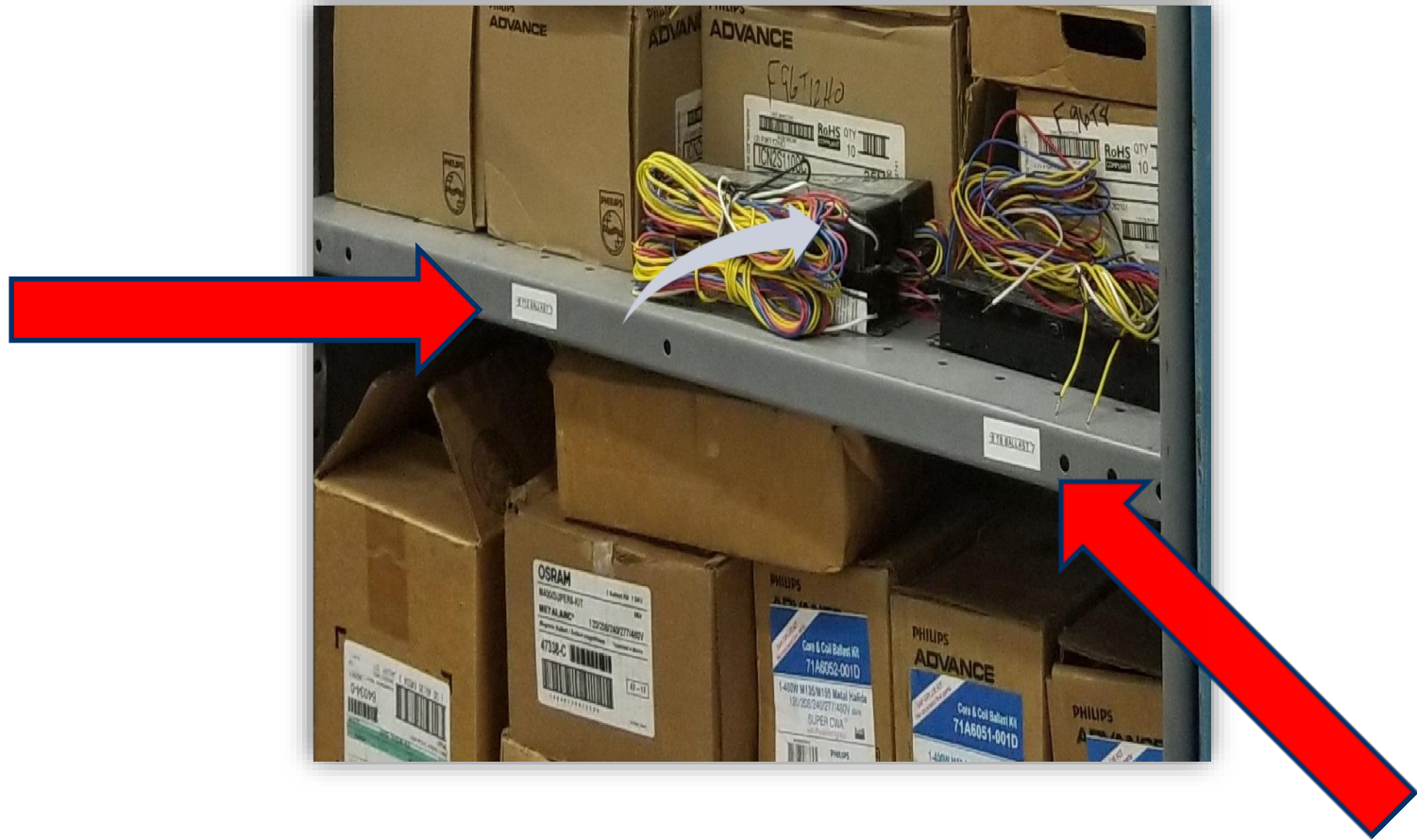
# 5S Northside

## SUSTAIN WITH LUCITY

# 5S Northside

## AND SUSTAIN WITH
## "CRITICAL PART" TAGS
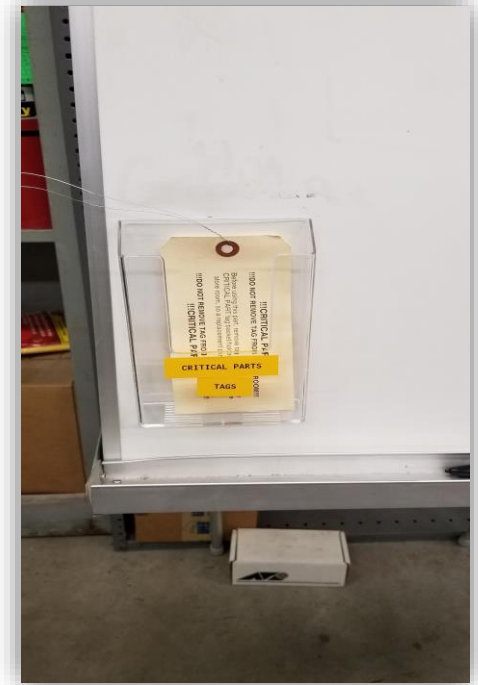
# 5S Northside

## Lucity Warehouse and Parts
## Recommendations For Water & Sewer

### NAMING OF PARTS
✓Standardized naming convention  (E.G. "BALL BRNG" FOR "BALL BEARING").
✓Extended descriptions to allow for additional details such as material of construction, vendor P/N, size, etc.

### NUMBERING OF PARTS
✓A 3 to 5 digit number followed by a 4 to 6 digit unique number auto-populated by Lucity.
✓No duplicate P/N's among 10 WSD work groups.

### 5S OF ALL 10 W&S WAREHOUSES
✓Similar to projects at NSWWTP by 2018 Fall Innovation Champions and ABJWTP by the 2016 Fall Innovation Champions.

### ASSIGNING NAMES & P/N'S TO ALL ITEMS ON HAND AND PLANNED TO USED
✓This portion to be done by each of the 10 W&S work groups.
✓Stock parts according to equipment criticality.
✓Maintains accurate inventory count.

### PARTS TO BE CHECKED IN/OUT OF WAREHOUSES
✓Prompts reordering of replacement inventory.
✓Near term is paper to be filled out.
✓Future is bar codes & readers to make transactions quicker & more accurate data entered into Lucity.
✓Each work group to query what work group(s) has parts on hand for urgent needs.
✓Query function can allow fewer parts to be stocked in 10 W&S work groups.
✓Inventory to be linked to assets.
✓Goal is to minimize inventory on hand, & avoid stockout of parts for critical equipment.