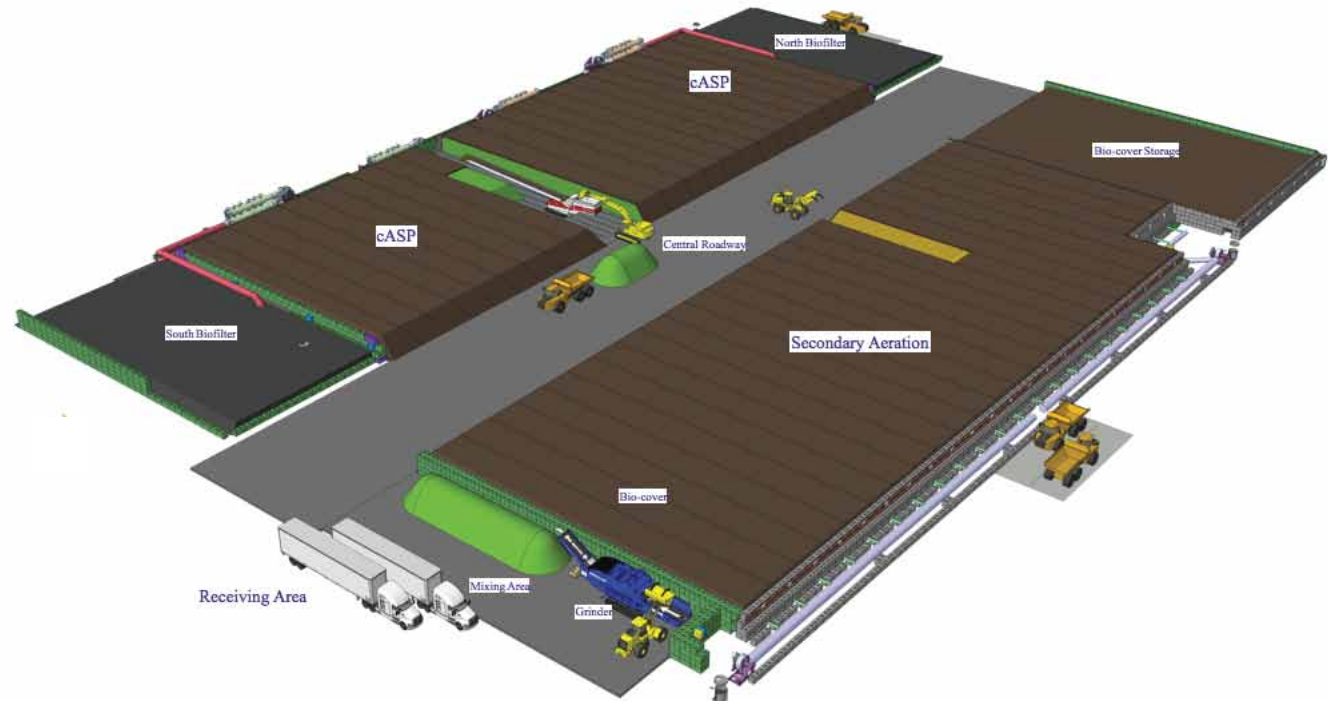


# OVERVIEW - COVERED AERATED STATIC PILE (CASP) COMPOSTING SYSTEM REPLACEMENT



## GOALS

- IMPROVE ODOUR CONTROL THROUGH
  - PREVENTION
  - COLLECTION
  - TREATMENT
- MEET PERMIT REQUIREMENTS; GO BEYOND WHERE FEASIBLE
- PRODUCE SUPERIOR PRODUCTS



## TECHNOLOGY DESIGN PRINCIPLES

- AERATION CONTROL
- TEMPERATURE CONTROL
- MOISTURE CONTROL
- ODOUR CONTROL
- BEST MANAGEMENT PRACTICES FOR FEEDSTOCK HANDLING

## PARAMETERS

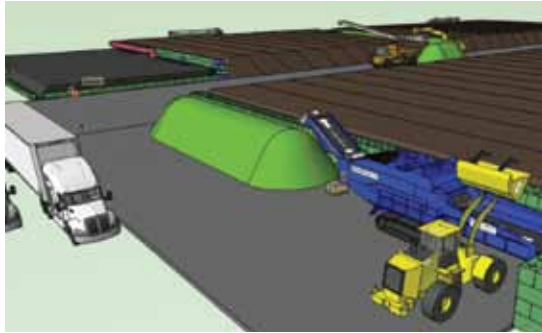
- SAME FOOTPRINT
- SAME USE (COMPOSTING)

## KEY IMPROVEMENTS COMPARED TO THE OLD SYSTEM

- NEW RECEIVING AREA WITH GRINDER AND MIXER
- INCREASED NUMBER OF PIPES & BLOWER CAPACITY; TAPERED PIPE DIAMETERS
- UPGRADED BIOFILTERS
- UPDATED CENTRAL ROADWAY
- ZONED CONTROL SYSTEMS
- BIOCOVER
- MECHANIZED PILE LOADING FOR IMPROVED POROSITY MANAGEMENT
- BI-DIRECTIONAL AIRFLOW
- EAST SECTION DEDICATED TO SECONDARY AERATION

# CASP UPGRADE HIGHLIGHTS

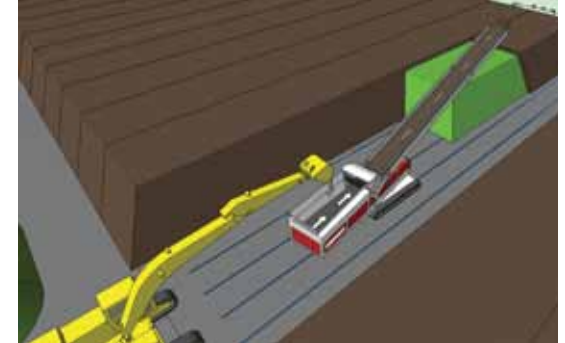
OUR AIM IS TO **PREVENT** ODOURS FROM DEVELOPING. ANY ODOURS DO DEVELOP, WE WILL **COLLECT** AND **TREAT**.



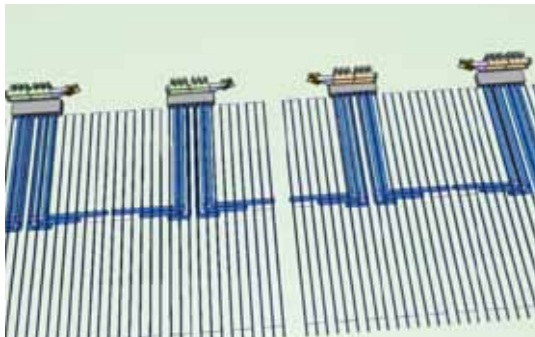
**NEW RECEIVING AREA WITH GRINDER & MIXER**  
(PREVENTION)



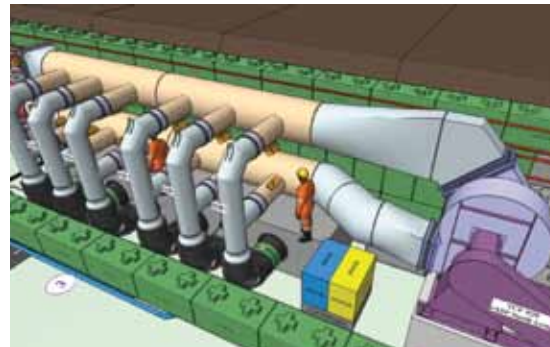
**UPDATED CENTRAL ROADWAY**  
(PREVENTION)



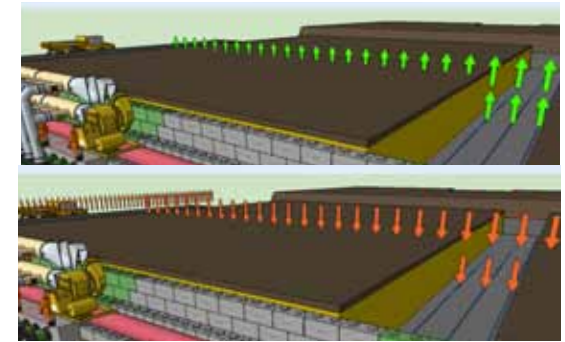
**MECHANIZED PILE LOADING FOR IMPROVED POROSITY MANAGEMENT**  
(PREVENTION)



**INCREASED NUMBER OF PIPES & BLOWER CAPACITY; TAPERED PIPE DIAMETERS**  
(PREVENTION, COLLECTION, TREATMENT)



**ZONED CONTROL SYSTEMS**  
(PREVENTION, COLLECTION)



**BI-DIRECTIONAL AIRFLOW**  
(PREVENTION, COLLECTION, TREATMENT)



**UPGRADED BIOFILTERS**  
(TREATMENT)



**BIOCOVER**  
(TREATMENT)



**EAST SECTION DEDICATED TO SECONDARY AERATION**  
(PREVENTION, COLLECTION, TREATMENT)