

CITY OF LOS ANGELES

BIOSOLIDS MANAGEMENT PROGRAM

LA Sanitation and Environment
Biosolids Management Group
June 2022



Main Topics

- Hyperion Water Reclamation Plant – General Description
- Class A Exceptional Quality (EQ) Biosolids Process
- Beneficial Uses of the City's Biosolids

Hyperion Water Reclamation Plant – General Description

- The largest of four wastewater treatment – operating by LA Sanitation and Environment.
- Treatment Capacity: approximately 450 MGD.
- Two-third of Los Angeles' wastewater is treated at Hyperion

Class A Biosolids Process

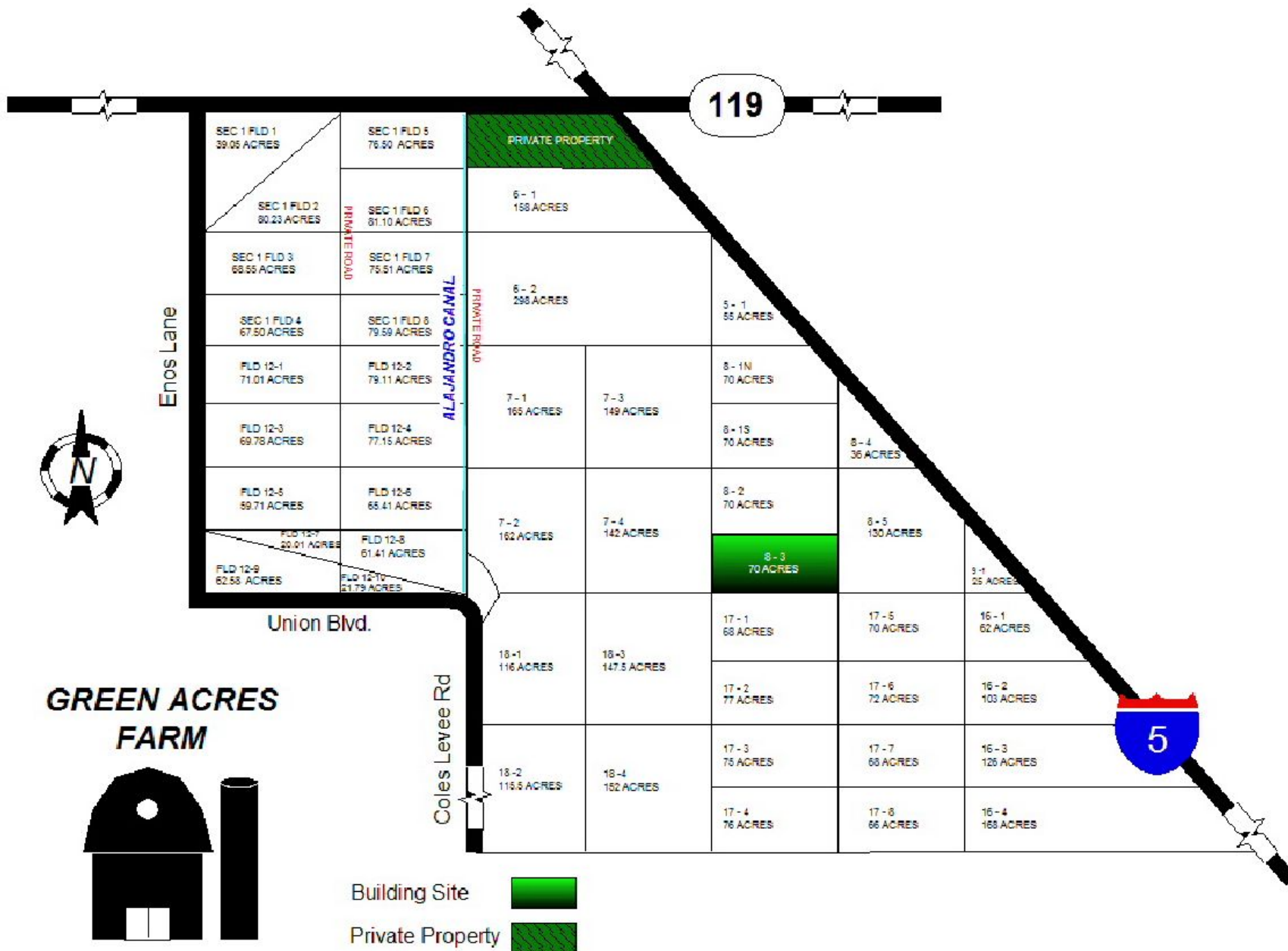
- Thermophilic Anaerobic Digestion
- Class A Exceptional Quality (EQ) Biosolids –
Meet/Exceed the Pathogen Requirements in 40 CFR
Part 503
- 25% to 27% of solids
- Approximately 700 wet tons per day

Beneficial Uses of the City's Biosolids

- 71% (500 wet tons/day): Land Application at Green Acres Farm, Kern County and Blythe farms, Riverside County – CA
- 12% (80 wet tons/day) Composting at Griffith Park, South Kern, and Nursery Products Composting facilities
- 17% (120 wet tons/day): Deep Well Injection at Terminal Island Water Reclamation Plant

LAND APPLICATION





Green Acres Farm

- City owned-farm
- 4,688 acres
- 15 miles SW of Bakersfield
- Long-term site for the City's biosolids – Land Application



Off-loading biosolids at the
farm...



Sampling and testing





Land Application Spreading of Biosolids



Planting...





HARVESTING

...



Whea
t

Non-human Consumption Crops grown...

Mil



o



Alfalfa



Cor
n





Non-human Consumption
Crops sold to local dairies...





COMPOSTING

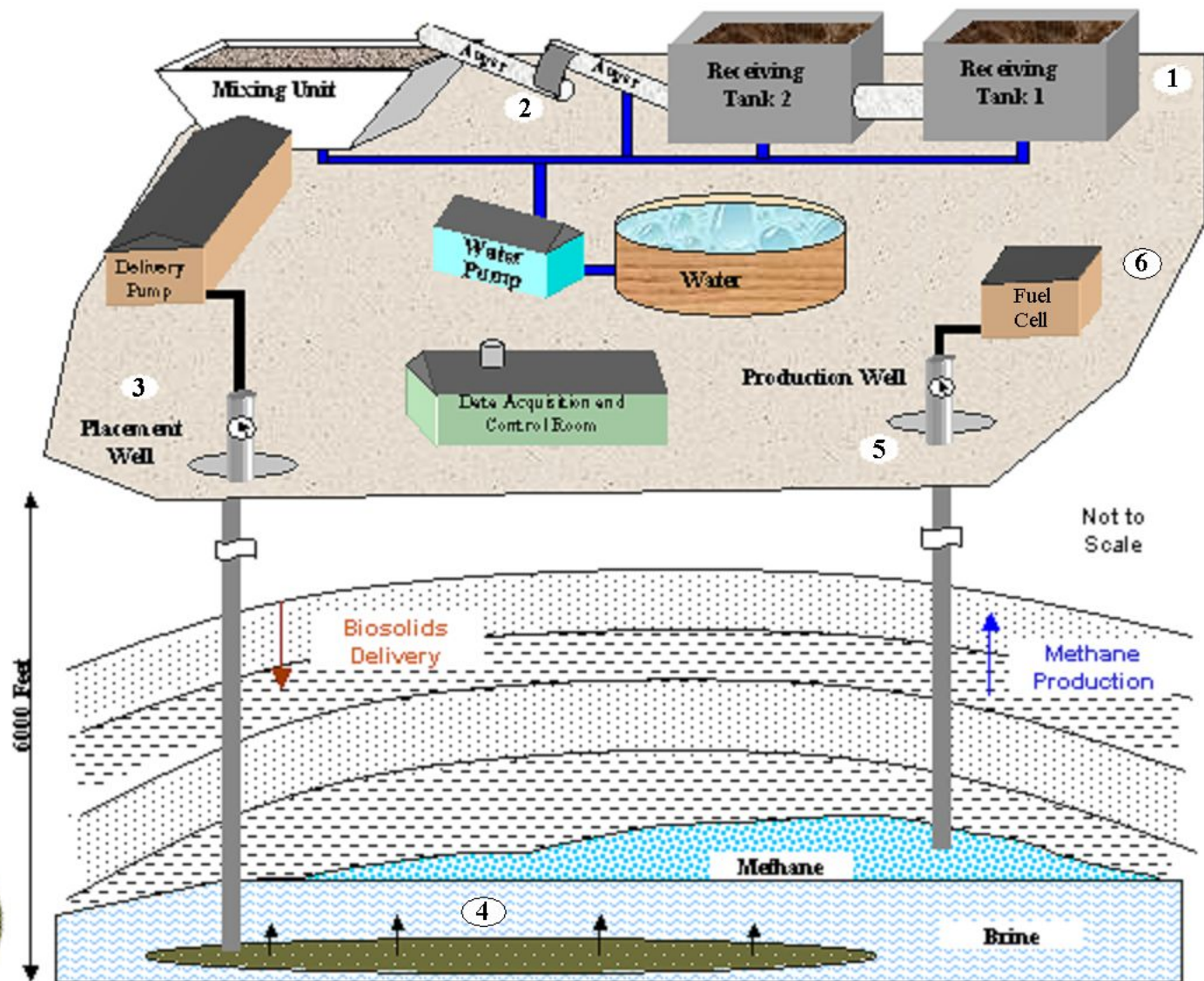
GRIFFITH PARK COMPOSTING FACILITY



BIOSOLIDS , GREEN WASTE / WOOD CHIPS , ZOO DOO

Deep Well Injection Process

- Biosolids will be placed in sandstone more than 5,000 feet underground
- Utilize the earth's high temperatures and pressures to degrade the organic compounds
- Injection pressure at 3,750 Psi



In-Situ Biodegradation

Environmental Benefits of Biosolids Beneficial Uses

- LA Sanitation and Environment is committed to maintaining 100% beneficial uses of biosolids
- No more ocean disposal of biosolids
- No more landfilling of biosolids
- Revenue generated from crop sales



Thank you

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