

ANNA ABRAHAM | MOSS BIRRI | JACK GRENNAN | JASMINA MARKOVSKI | CAROLINE NGUYEN | HAYAT RAZA

LEADING THE PATH TO PERMITTING

LESSONS FROM HRSD SWIFT



HRSD SWIFT PROJECT PROJECT DRIVERS



REGULATORY COMPLIANCE

Reduce nutrient loading to the Chesapeake Bay



WATER SUPPLY RELIABILITY

Replenish groundwater supplies and protect aquifers from saltwater intrusion



ENVIRONMENTAL PROTECTION

Reduce land subsidence and protect groundwater resources



ECONOMIC SUSTAINABILITY

Support a resilient, sustainable water supply that supports economic growth and communities



SUSTAINABLE WATER SOLUTIONS
FOR TODAY. FOR TOMORROW. FOR HAMPTON ROADS.

THE PERMITTING STRATEGY

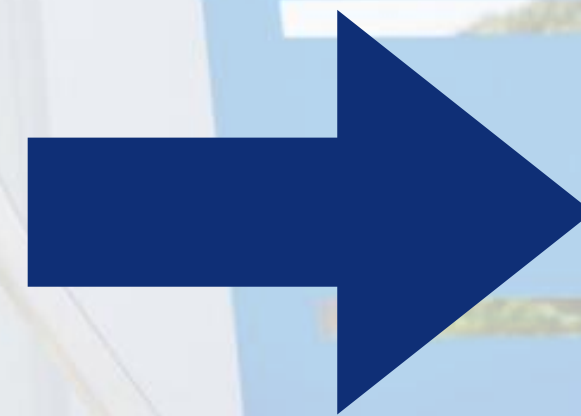
Three principles that helped HRSD SWIFT navigate one of the nation's most complex potable reuse permitting processes



EVIDENCE



TRANSPARENCY



ALIGNMENT



EVIDENCE

Tested
Treatment
and Aquifer
Injection
protocols

Research
center
proved
safety,
reliability and
feasibility

Early
engagement
with regulators



HRSD's SWIFT Pilot Study - 1 MGD Research Center



TRANSPARENCY

REGULATORS & PUBLIC ALIKE

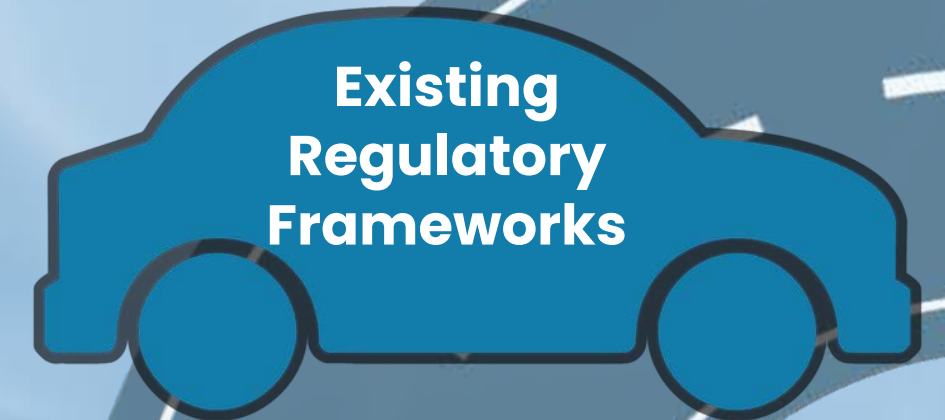
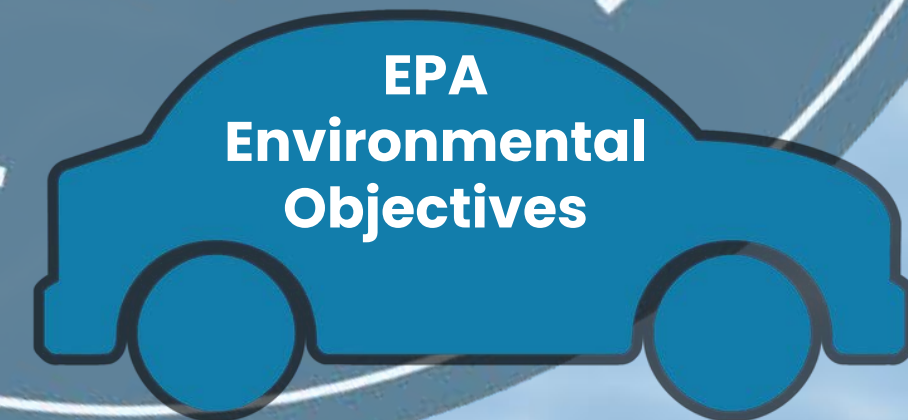
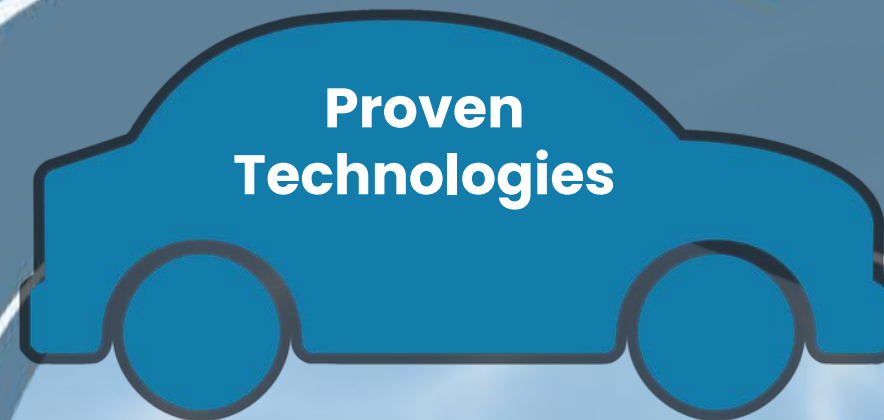
VIRTUAL TOURS

ADVISORY COMMITTEE





ALIGNMENT



LESSONS LEARNED



1

**ETHICAL
VALUE**



2

**LEADERSHIP
DECISION-
MAKING**



3

GOVERNANCE



4

RESULTS

