

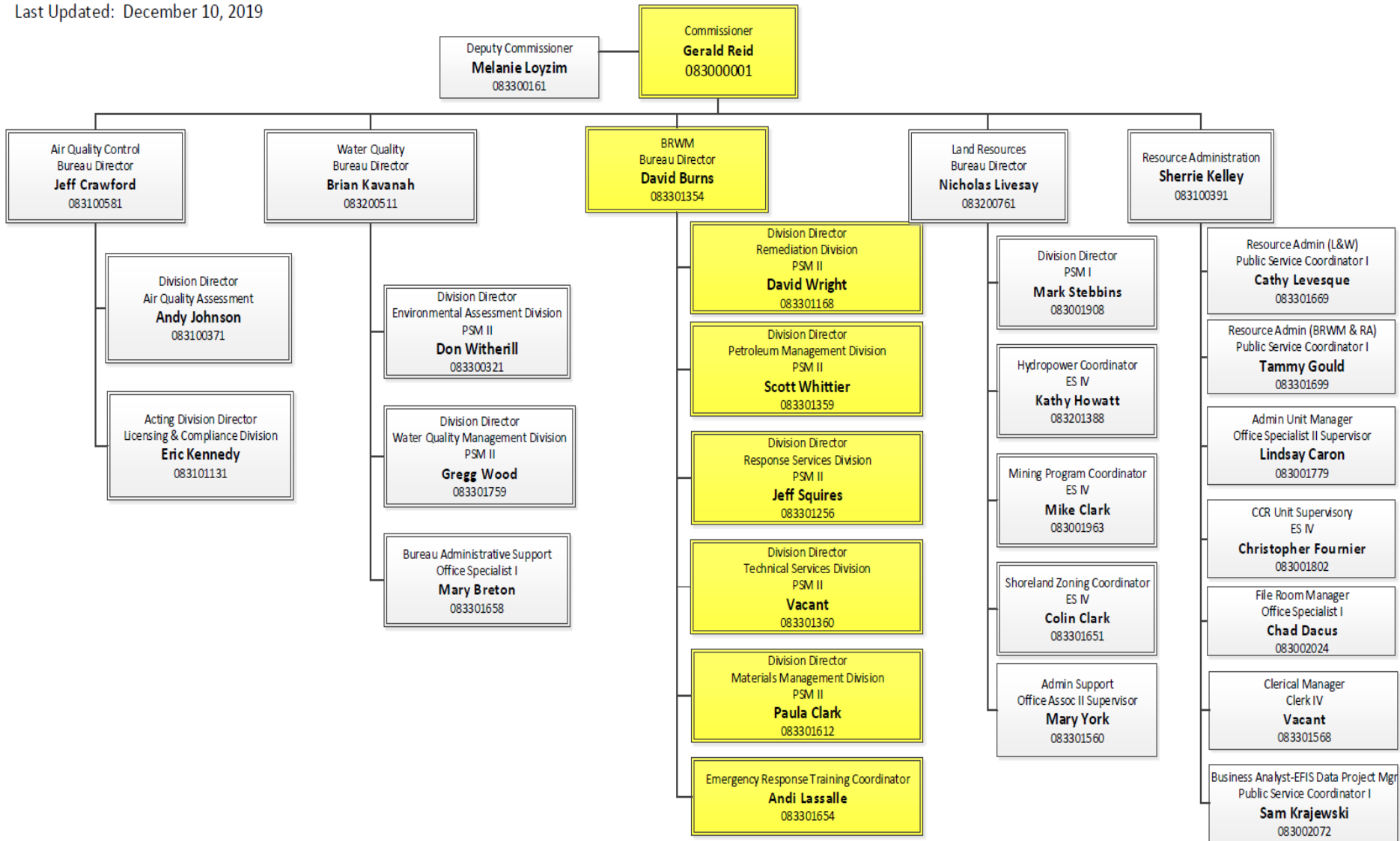


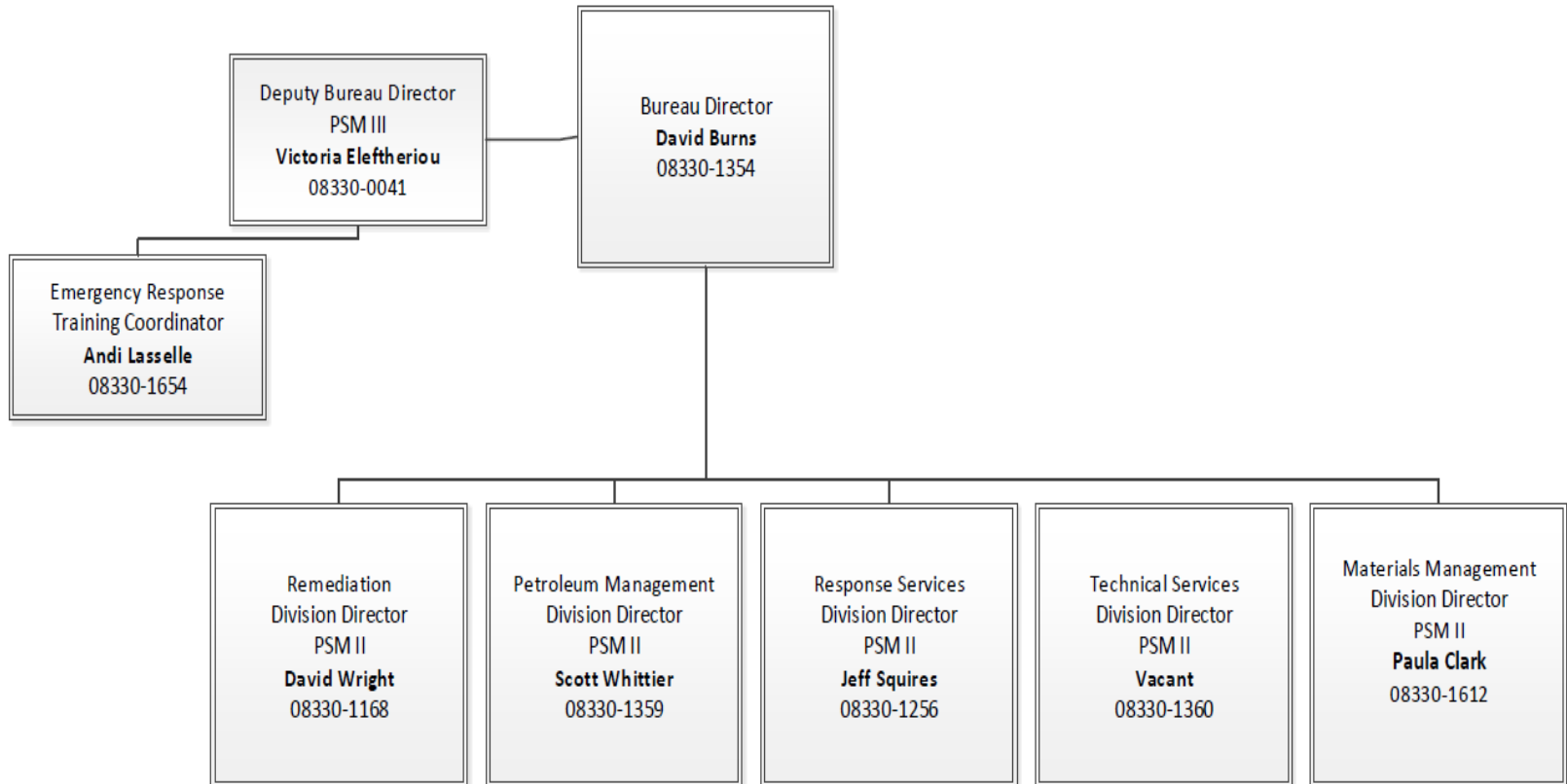
Solid Waste Management in Maine - 2019

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MAINE DEPARTMENT OF ENVIRONMENTAL PROTECTION

Protecting Maine's Air, Land and Water





Solid Waste in Maine

- Changing Solid Waste Management Landscape
- 2019 Maine Materials Management Plan
- Product Stewardship
- Organics Management
- PFAS
- Legislation



Changing Solid Waste Management Landscape

- Maine landfills and incinerators: State, municipal, private
- Landfill expansions
- New MSW processing facility online
- Digesters, composting sites and organics collection



2019 Maine Materials Management Plan

- 5-Year update presented to Legislature in January
- Goal: To support the development of a sustainable, economically viable system that directs the resources inherent in waste materials into a “circular economy” while protecting public health and the environment.
- Includes strategies and actions to support and encourage management of wastes further up the solid waste management hierarchy.
- Legislative action required to implement certain strategies.



Product Stewardship

- Annual product stewardship report to the Legislature: current programs and recommendations for new and revised
- Legislative action on packaging, pharmaceuticals, mattresses, batteries
- Bans on single use plastic bags and polystyrene containers



Organics Management

- Continuing priority in 2019 State Plan
- Focus on Food Recovery Hierarchy
- Maine Solid Waste Diversion Grant Program



PFAS

- Governor's Executive Order creating a task force “to study the threats of PFAS contamination to public health and the environment”
- Final TF report expected Dec. 18th



PFAS Testing

- PFAS testing:
 - active remediation sites where drinking water is known to be impacted and the Department suspects PFAS may be present at the source due to site history
 - remediation sites with potential at-risk drinking water supplies
 - prior to closing out sites that have been otherwise remediated and a risk factor exists
 - Biosolids associated with land application or composting (3/22/19 directive)
 - EPA 5-year review sites



Biosolids PFAS Results

- Sludge
 - Average concentration PFOA 8.5 ng/g and PFOS 25.5 ng/g
 - Median concentration PFOA 3.8 ng/g and PFOS 22.9 ng/g
 - Maximum concentration PFOA 46 ng/g and PFOS 120 ng/g
- Compost
 - Average concentration PFOA 14.2 ng/g and PFOS 16 ng/g
 - Median concentration PFOA 7.7 ng/g and PFOS 7.3 ng/g
 - Maximum concentration PFOA 60 ng/g and PFOS 81.8 ng/g
- Site-Specific Soils
 - Average concentration PFOA 2 ng/g and PFOS 9.6 ng/g
 - Median concentration PFOA 1.3 ng/g and PFOS 7.1 ng/g
 - Maximum concentration PFOA 12.9 ng/g and PFOS 36.6 ng/g



2020 Legislation

- 2019 Carryover Bills
 - Improve manufacture of plastic bottles & caps
 - EPR for tobacco products
 - Pharmaceutical take-back program
 - Battery stewardship program
 - Reduce landfilling/promote recycling
 - HHO tank replacement incentive program



2020 Legislation

- Legislative report
 - Mattress report
- Proposed legislation
 - Amend UCS law to add ‘pollutant or contaminant’
 - Packaging due Dec. 16th





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