# Remediation Strategy Sounding Board

The Former International Paint Limited Newton Ferrers Site Foreshore

# Agenda



### **Project Team**

### **International Paint Limited**

#### Role

Responsible for overall remediation, employs consultants & contractors

### Representatives

- Ralph Slikkerveer | R&D Director
- Christian Eschauzier | Environment Director
- Wilfred van Noord | Environmental Specialist
- Simon Colvan | Head of Communications
- Joost Ruempol | Senior Spokesperson

### **Geosyntec Consultants**

#### Role

Retained by International Paint Limited for remediation planning

### Representatives

- Marcus Ford | Technical Expert
- Andrew Morgan | Project Director
- Rebecca Solinger | Project Manager

### **Invited Stakeholder Representatives**

### **Project Team**

- International Paint Limited
- Geosyntec Consultants

### Regulatory

- Marine Management Organisation (MMO)
- Centre for Environment, Fisheries & Aquaculture Science (Cefas)

### Community

- Newton & Noss Parish Council
- River Yealm Harbour Authority
- River Yealm District Association
- Akkeron Group
- Local residents
- Red Earth

### **Sounding Board Objectives**





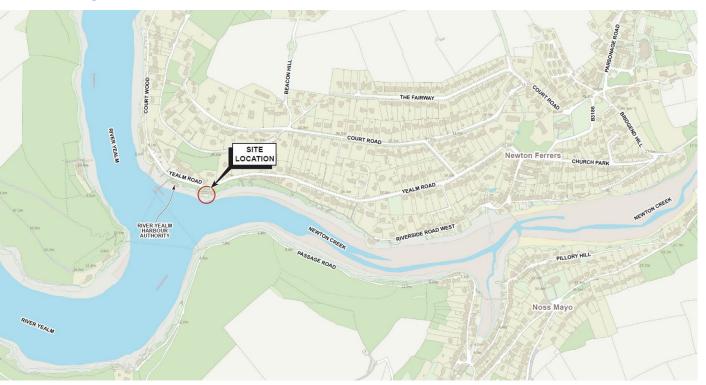


1. Present proposed remediation strategy to stakeholder representatives

2. Seek initial feedback on proposed remediation strategy from stakeholder representatives

3. Consider feedback in remediation planning & inform proposed broader community consultation

# **Project Introduction**



- Former International Paint Limited site in Newton Ferrers
- Historically used to test antifouling paints
- Foreshore sediment near the site is contaminated with antifouling paint compounds
- Planning is underway to remediate foreshore sediment

### **Remediation Goal**

# Overarching Goal:

Develop & implement a remediation programme that is protective of human health, safety & the environment



# Achieved by collaborating with stakeholders to:

Remove contamination & restore foreshore profile

Minimize disruption to community & environment

Comply with applicable statutes, regulations, & guidelines

Obtain & comply with appropriate controls & permits

### **Remediation Process**

### **Planning**

- Assess risks
- Develop remediation strategy
- Consult with stakeholders
- Obtain regulatory approvals
- Procure contractor



### **Implementation**

- Prepare foreshore
- Remove contamination
- Restore foreshore profile
- Comply with regulatory approvals
- Communicate progress to stakeholders



### Verification

- Confirm remedial objectives have been met
- Confirm completion to stakeholders

# How the Remediation Strategy Was Developed

### **International Paint Limited**

# Foreshore Sediment Characterisation

- Relatively elevated concentrations of tributyltin & mercury
- Tributyltin is the main compound of interest
- Tributyltin concentrations are naturally degrading over time
- Inorganic mercury is found on the foreshore (similar distribution to tributyltin)

### **Receptor Evaluation**

- Elevated tributyltin concentrations are not causing adverse ecological effects
- Healthy dog whelk & pacific oyster populations
- No evidence of lasting or widespread effects of tributyltin pollution in the Yealm Estuary

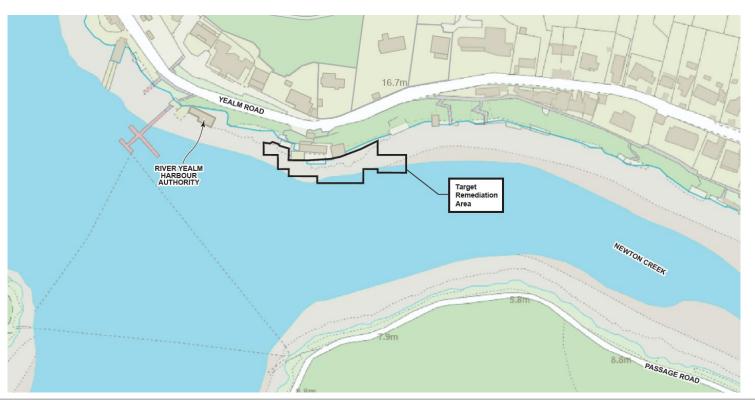
Remediation will remove sediment with relatively elevated concentrations of tributyltin and metals

# **Target Remediation Area**



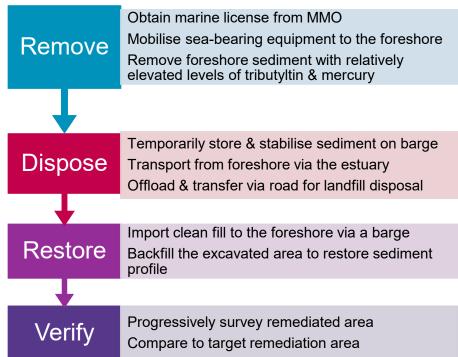
- Proposed remediation area for tributyltin and metals outlined in black
- ~1500 m² footprint, up to 0.2 m deep
- ~2 kg of tributyltin in ~300 m³ of sediment

# **Target Remediation Area**



### **Remediation Strategy**





### **Remediation Schedule**

### **Planning**

- **Q**3 2023
- Current stage



### **Implementation**

- **Q4** 2023 or Q1 2024
- 4 to 8 weeks
- Subject to regulatory approval
- Outside peak season for estuary use
- Scheduled around low tide
- Within regular working hours where possible



### Verification

- **Q4** 2023 or Q1 2024
- In parallel with implementation stage

# **Mitigating Community Impact**



### **Traffic**

 Materials & equipment will be transported via the estuary to limit impact of traffic

### **Noise**

 Not anticipated to be overly noisy, will reduce noise as much as possible

### **Estuary Use**

- Access to target remediation area will be restricted during remediation
- Use of remaining estuary areas should be relatively unaffected

# **Community Communication Next Steps**



### **Open Discussion**

# Thoughts, comments, concerns about proposed remediation works?

If you have any additional questions, please email:

Newton.Ferrers@akzonobel.com

# Newton.Ferrers@akzonobel.com